U. S. DEPARTMENT OF COMMERCE

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

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LETTER OF SUBMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
Washington, July 30, 1930.

SIR: I have the honor to submit herewith for publication the fifty-second annual issue of the Statistical Abstract of the United States. As in previous years, this publication has been prepared in the Division of Statistical Research under the general direction of E. Dana Durand, statistical assistant to the Secretary of Commerce, and Ernest A. Tupper, acting chief of the division, and under the more immediate charge of Martha Hunter. The volume represents a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and several States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census, the Bureau of Fisheries, and the Bureau of Mines of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Bureau of Immigration and the Bureau of Labor Statistics of the Department of Labor; the Bureau of Education of the Department of the Interior; the Federal Board for Vocational Education; the Statistical Division of the Income Tax Unit and the Federal Farm Loan Bureau of the Treasury Department; the Veterans' Bureau; the Interstate Commerce Commission; the United States Shipping Board; and the Division of Analysis and Research of the Federal Reserve Board. Valuable aid has also been given by the Bureau of Railway Economics, Washington; the New York Produce Exchange; the Spectator Co., New York; Dun's Review, New York; and the Bureau of Canals, State of New York.

Comparative international tables showing statistics for the United States and foreign countries are published in Volume II of the Commerce Yearbook.

Respectfully,

WILLIAM L. COOPER,
Director.

To Hon. R. P. LAMONT,
Secretary of Commerce.

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STATISTICAL ABSTRACT OF THE UNITED STATES

1.—AREA AND POPULATION

No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE.—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps

Accession	Date	Gross area, square miles	Accession	Date	Gross area, square miles
Aggregate (1920)		**3, 738,393**	**Outlying territories and possessions**		**711,604**
Continental United States		**3, 026, 789**	Alaska Territory	1867	586,400
Territory in 1790 [1]		892, 135	Hawaii Territory	1898	6, 405
Louisiana Purchase	1803	827, 987	Philippine Islands	1899	114, 400
Florida	1819	58, 666	Port Rico (unincorporated territory)	1899	3, 435
By treaty with Spain	1819	13, 435	Guam	1899	206
Texas	1845	389, 166	American Samoa	1900	75
Oregon	1846	286, 541	Panama Canal Zone	1904	549
Mexican Cession	1848	529, 189	Virgin Islands of the U. S.	1917	133
Gadsden Purchase	1853	29, 670			

[1] Includes drainage basin of Red River of the North, not a part of any accession, but in the past sometimes considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

No. 2.—DATES OF ORGANIZATION OF STATES AND TERRITORIES

State	Date of organization		State	Date of organization	
	Territory	State		Territory	State
ORIGINAL STATES, 1789			STATES WITH PREVIOUS TERRITORIAL ORGANIZATION—contd.		
New Hampshire			Illinois	1809	[2] 1818
Massachusetts			Alabama	1817	[2] 1819
Rhode Island			Missouri	1812	1821
Connecticut			Arkansas	1819	1836
New York			Michigan	1805	1837
New Jersey			Florida	1822	1845
Pennsylvania			Iowa	1838	1846
Delaware			Wisconsin	1836	1848
Maryland			California	[5] 1847	1850
Virginia			Minnesota	1849	1858
North Carolina			Oregon	1848	1859
South Carolina			Kansas	1854	1861
Georgia			Nevada	1861	1864
STATES ADMITTED WITHOUT PREVIOUS TERRITORIAL ORGANIZATION [1]			Nebraska	1854	1867
			Colorado	1861	1876
			North Dakota	[6] 1861	1889
			South Dakota	[6] 1861	1889
Vermont		1791	Montana	1864	1889
Kentucky		1792	Washington	1853	1889
Maine		1820	Idaho	1863	1890
Texas		[2] 1845	Wyoming	1868	1890
West Virginia		1863	Utah	1850	1896
			Oklahoma	1890	1907
STATES WITH PREVIOUS TERRITORIAL ORGANIZATION			New Mexico	1850	1912
			Arizona	1863	1912
Tennessee	[3] 1790	1796			
Ohio	[4] 1787	1803	TERRITORIES, ETC.		
Louisiana	1804	1812	District of Columbia	1790	[7] 1791
Indiana	1800	[2] 1816	Alaska	1912	
Mississippi	1798	[2] 1817	Hawaii	1900	

[1] Vermont and Texas had been independent republics; Maine had been under jurisdiction of Massachusetts; Kentucky and West Virginia were set off from Virginia.
[2] Joint resolution of Congress.
[3] "Territory of the United States, south of the river Ohio," ceded from North Carolina, containing more territory than the present State of Tennessee.
[4] "Territory northwest of the Ohio River," containing more territory than the present State of Ohio.
[5] "Military territory," containing more territory than the present State of California.
[6] Dakota Territory.
[7] Federal area, under supervision of Congress.

Source: Bureau of the Census, Department of Commerce.

No. 3.—AREA: Geographic Divisions and States, 1920

Division and State	Area (square miles)			Division and State	Area (square miles)		
	Land	Water	Total		Land	Water	Total
Continental United States	2,973,774	[1] 53,015	3,026,789	South Atlantic—Con.			
				Dist. of Columbia	60	10	70
New England	61,976	4,448	66,424	Virginia	40,262	2,365	42,627
Maine	29,895	3,145	33,040	West Virginia	24,022	148	24,170
New Hampshire	9,031	310	9,341	North Carolina	48,740	3,686	52,426
Vermont	9,124	440	9,564	South Carolina	30,495	494	30,989
Massachusetts	8,039	227	8,266	Georgia	58,725	540	59,265
Rhode Island	1,067	181	1,248	Florida	54,861	3,805	58,666
Connecticut	4,820	145	4,965				
				East South Central	179,509	1,974	181,483
Middle Atlantic	100,000	2,554	102,554	Kentucky	40,181	417	40,598
New York	47,654	[2] 1,550	49,204	Tennessee	41,687	335	42,023
New Jersey	7,514	710	8,224	Alabama	51,279	719	51,998
Pennsylvania	44,832	[2] 294	45,125	Mississippi	46,362	503	46,865
East North Central	245,564	2,541	248,105	West South Central	429,746	8,048	437,794
Ohio	40,740	[2] 300	41,040	Arkansas	52,525	810	53,335
Indiana	36,045	[2] 309	36,354	Louisiana	45,409	3,097	48,506
Illinois	56,043	[2] 622	56,665	Oklahoma	69,414	643	70,057
Michigan	57,480	[2] 500	57,980	Texas	262,398	3,498	265,896
Wisconsin	55,256	[2] 810	56,066				
				Mountain	859,009	6,008	865,017
West North Central	510,804	7,575	518,379	Montana	146,131	866	146,997
Minnesota	80,858	[2] 3,824	84,682	Idaho	83,354	534	83,888
Iowa	55,586	561	56,147	Wyoming	97,548	366	97,914
Missouri	68,727	693	69,420	Colorado	103,658	290	103,948
North Dakota	70,183	654	70,837	New Mexico	[2] 122,503	131	122,634
South Dakota	76,868	747	77,615	Arizona	113,810	146	113,956
Nebraska	76,808	712	77,520	Utah	82,184	2,806	84,990
Kansas	81,774	384	82,158	Nevada	109,821	809	110,630
South Atlantic	269,071	13,839	282,910	Pacific	318,095	6,028	324,123
Delaware	1,965	405	2,370	Washington	66,836	[3] 2,291	69,127
Maryland	9,941	2,386	12,327	Oregon	95,607	1,092	96,699
				California	155,652	2,645	158,297

[1] Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.
[2] Exclusive of Great Lakes.
[3] Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census, Department of Commerce.

No. 4.—AREA AND POPULATION: Continental United States, 1790 to 1930

Note.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880

Census year	Area (square miles)			Population				
	Gross	Land	Water	Number	Per square mile [1]	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790	892,135	867,980	24,155	3,929,214	4.5			
1800	892,135	867,980	24,155	5,308,483	6.1	1,379,269	35.1	
1810	1,720,122	1,685,865	34,257	7,239,881	4.3	1,931,398	36.4	
1820	1,792,223	1,753,588	38,635	9,638,453	5.5	2,398,572	33.1	
1830	1,792,223	1,753,588	38,635	12,866,020	7.3	3,227,567	33.5	
1840	1,792,223	1,753,588	38,635	17,069,453	9.7	4,203,433	32.7	
1850	2,997,110	2,944,337	52,782	23,191,876	7.9	6,122,423	35.9	
1860	3,026,789	2,973,965	52,824	31,443,321	10.6	8,251,445	35.6	
1870	3,026,789	2,973,965	52,824	38,558,371	13.0	7,115,050	22.6	26.6
1880	3,026,789	2,973,965	52,824	50,155,783	16.9	11,597,412	30.1	26.0
1890	3,026,789	2,973,965	52,824	62,947,714	21.2	12,791,931	25.5	
1900	3,026,789	2,974,159	52,630	75,994,575	25.6	13,046,861	20.7	
1910	3,026,789	2,973,890	52,899	91,972,266	30.9	15,977,691	21.0	
1920	3,026,789	2,973,774	53,015	105,710,620	35.5	13,738,354	14.9	
1930 [2]	3,026,789	2,973,774	53,015	122,698,190	40.5	16,987,570	16.1	

[1] Based on land area.
[2] Population figures preliminary.

Source: Bureau of the Census, Department of Commerce.

No. 5.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910, 1920, AND 1930

NOTE.—These data represent actual enumerations, not estimates, as in Table 6. For several of the outlying possessions they relate to dates other than 1910 and 1920, as indicated by footnotes. The census of Continental United States was as of date Apr. 15 in 1910, Jan. 1 in 1920, and Apr. 1 in 1930

Area	Gross area (land and water) in square miles [1]	Population		
		1910	1920	1930 [2]
United States, with outlying territories and possessions	**3,738,393**	**101,146,530**	**117,823,165**	**[3] 124,848,664**
Continental United States	3,026,789	91,972,266	105,710,620	122,098,198
Outlying territories and possessions	711,604	9,174,264	12,112,545	[3] 2,150,474
Alaska Territory	586,400	64,356	55,036	58,758
American Samoa	75	[4] 7,251	8,056	10,055
Guam	206	11,806	13,275	18,521
Hawaii Territory	6,406	191,909	255,912	368,336
Panama Canal Zone	549	[4] 62,810	22,858	39,467
Porto Rico (unincorporated territory)	3,435	1,118,012	1,299,809	1,543,913
Military and naval, etc., services abroad		55,608	117,238	89,412
Philippine Islands	114,400	[5] 7,635,426	[3] 10,314,310	(7)
Virgin Islands of the United States	133	[6] 27,086	[6] 26,051	22,012
Total Continental United States and incorporated territories (Alaska and Hawaii)	3,619,595	92,228,531	106,021,568	123,125,284
Total Statistical Customs Area—Continental United States, Alaska, Hawaii, Porto Rico	3,623,030	93,346,543	107,321,377	124,669,197

[1] See headnote Table 1.
[2] Preliminary figures.
[3] Excluding Philippine Islands.
[4] Population in 1912.
[5] Population in 1903.
[6] Population Dec. 31, 1918.
[7] Not included in 1930 census.
[8] Population in 1911.
[9] Population Nov. 1, 1917.

No. 6.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Estimates are based on the assumption that the increase each year between two successive censuses is equal to the annual average increase between the two enumerations. Census data for 1930 used in making estimates were preliminary

Year	Continental United States	Year	Continental United States	Year	Continental United States	Hawaii	Porto Rico	Philippine Islands	Panama Canal Zone
1850	23,200,038	1877	40,773,203	1903	80,983,390	165,836	1,010,724	7,601,824	
1852	24,910,926	1878	47,932,045	1904	82,601,384	169,675	1,026,521	7,861,016	
1853	25,736,070	1879	49,092,687	1905	84,219,378	173,514	1,042,318	8,030,208	
1854	26,561,214	1880	50,262,382	1906	85,837,372	177,353	1,058,115	8,199,400	
1855	27,386,359	1881	51,541,575	1907	87,455,366	181,192	1,073,912	8,368,592	
1856	28,211,504	1882	52,820,768	1908	89,073,360	185,031	1,089,709	8,537,784	
1857	29,036,649	1883	54,099,961	1909	90,691,354	188,870	1,105,506	8,706,977	
1858	29,861,794	1884	55,379,154	1910	92,267,080	193,282	1,121,013	8,876,170	
1859	30,686,939	1885	56,658,347	1911	93,682,189	199,874	1,140,038	9,045,363	
1860	31,502,613	1886	57,937,540	1912	95,097,298	206,466	1,159,364	9,214,556	[1] 61,270
1861	32,214,118	1887	59,216,733	1913	96,512,407	213,058	1,178,990	9,383,749	[1] 57,400
1862	32,925,623	1888	60,495,927	1914	97,927,516	219,650	1,198,816	9,552,942	[2] 37,706
1863	33,637,128	1889	61,775,121	1915	99,342,625	226,243	1,215,642	9,722,135	[2] 29,926
1864	34,348,633	1890	63,050,438	1916	100,757,735	232,836	1,234,268	9,891,328	[2] 31,048
1865	35,060,138	1891	64,361,124	1917	102,172,845	239,429	1,252,994	10,060,521	[2] 23,295
1866	35,771,643	1892	65,665,810	1918	103,687,955	246,022	1,271,720	10,229,714	[2] 21,707
1867	36,483,148	1893	66,970,496	1919	105,003,065	252,615	1,290,446	10,398,906	[2] 21,759
1868	37,194,653	1894	68,275,182	1920	106,539,282	261,396	1,311,717	10,568,098	[2] 21,660
1869	37,906,158	1895	69,579,868	1921	108,196,606	272,364	1,336,532	10,737,290	[2] 23,757
1870	38,655,010	1896	70,884,554	1922	109,853,930	283,332	1,359,347	10,906,482	[2] 23,671
1871	39,814,757	1897	72,189,240	1923	111,511,254	294,300	1,383,162	11,075,674	[2] 23,071
1872	40,974,498	1898	73,493,926	1924	113,168,578	305,268	1,406,977	11,244,867	[2] 27,143
1873	42,134,239	1899	74,798,612	1925	114,825,902	316,236	1,430,792	11,414,060	[2] 27,151
				1926	116,483,226	327,204	1,454,607	11,583,000	[2] 27,092
1874	43,293,980	1900	76,129,408	1927	118,140,550	338,172	1,478,422	11,752,400	[2] 27,624
1875	44,453,721	1901	77,747,402	1928	119,797,874	349,140	1,502,237	11,921,800	[2] 27,624
				1929	121,455,198	360,109	1,526,052	12,090,832	
1876	45,613,462	1902	79,365,396	1930	123,112,522	371,078	1,549,868	12,260,025	

[1] Enumeration by Canal Commission.
[2] Police census.
[3] Police census, excluding persons in military and naval service.

Source of Tables 5 and 6: Bureau of the Census, Department of Commerce.

No. 7.—Population By States: 1930 (Preliminary Figures)

Note.—Figures are based on announcements made by local supervisors and are subject to revision. For population by States at earlier censuses see Table 13, p. 8

Division and State	Population, 1930	Per cent increase, 1920–1930	Division and State	Population, 1930	Per cent increase, 1920–1930
Continental United States	**122, 698, 190**	**18. 1**	**South Atlantic—Continued.**		
			District of Columbia	486, 869	11. 3
New England	**8, 170 030**	**10. 4**	Virginia	2, 419, 471	4. 8
Maine	800, 056	4. 2	West Virginia	1, 728, 510	18. 1
New Hampshire	[1] 465, 293	5. 0	North Carolina	3, 170, 287	23. 9
Vermont	359, 092	1. 9	South Carolina	1, 732, 567	2. 9
Massachusetts	4, 253, 046	10. 4	Georgia	2, 902, 443	. 2
Rhode Island	687, 232	13. 7	Florida	1, 466, 025	51. 4
Connecticut	1, 604, 711	16. 2			
			East South Central	**9, 886, 708**	**11. 2**
Middle Atlantic	**26, 288, 332**	**18. 1**	Kentucky	2, 623, 668	8. 6
New York	12, 619, 503	21. 5	Tennessee	2, 608, 759	11. 6
New Jersey	4, 028, 027	27. 6	Alabama	2, 645, 297	12. 7
Pennsylvania	9, 640, 802	10. 6	Mississippi	2, 007, 979	12. 1
East North Central	**25, 245, 683**	**17. 6**	**West South Central**	**12, 161, 526**	**18. 7**
Ohio	6, 639, 837	15. 3	Arkansas	1, 853, 981	5. 8
Indiana	3, 225, 600	10. 1	Louisiana	2, 094, 496	16. 5
Illinois	7, 607, 684	17. 3	Oklahoma	2, 391, 777	17. 9
Michigan	4, 842, 280	32. 0	Texas	5, 821, 272	24. 8
Wisconsin	2, 930, 282	11. 3			
			Mountain	**3, 668, 421**	**10. 9**
West North Central	**13, 287, 355**	**5. 9**	Montana	536, 332	[2] 2. 3
Minnesota	2, 566, 445	7. 5	Idaho	445, 837	3. 2
Iowa	2, 467, 900	2. 7	Wyoming	224, 567	15. 5
Missouri	3, 620, 961	6. 4	Colorado	1, 035, 043	10. 2
North Dakota	682, 448	5. 5	New Mexico	427, 216	13. 6
South Dakota	690, 755	8. 5	Arizona	435, 833	30. 4
Nebraska	1, 378, 000	6. 4	Utah	502, 582	11. 8
Kansas	1, 879, 946	6. 3	Nevada	90, 981	17. 5
South Atlantic	**15, 774, 473**	**12. 8**	**Pacific**	**8, 186, 007**	**47. 1**
Delaware	[1] 238, 380	6. 9	Washington	561, 967	15. 1
Maryland	1, 629, 321	12. 4	Oregon	952, 691	21. 6
			California	5, 672, 009	65. 5

[1] Final figures.

[2] Decrease.

No. 8.—POPULATION OF CITIES OF 100,000 OR MORE INHABITANTS, 1930

Note.—Figures are based on announcements made by the local supervisors and are subject to revision. For population at earlier censuses see Table 22, p. 22

City	1930	City	1930	City	1930
Akron, Ohio	253, 653	Hartford, Conn	163, 818	Providence, R. I	252, 386
Albany, N. Y	127, 368	Houston, Tex	290, 579	Reading, Pa	110, 289
Atlanta, Ga	266, 559	Indianapolis, Ind	364, 073	Richmond, Va	182, 883
Baltimore, Md	805, 753	Jacksonville, Fla	129, 809	Rochester, N. Y	325, 019
Birmingham, Ala	267, 667	Jersey City, N. J	315, 642	St. Louis, Mo	822, 032
Boston, Mass	787, 271	Kansas City, Kans	122, 327	St. Paul, Minn	271, 418
Bridgeport, Conn	147, 206	Kansas City, Mo	399, 484	Salt Lake City, Utah	140, 184
Buffalo, N. Y	573, 070	Knoxville, Tenn	105, 797	San Antonio, Tex	254, 562
Cambridge, Mass	113, 650	Long Beach, Calif	141, 528	San Diego, Calif	147, 897
Camden, N. J	117, 172	Los Angeles, Calif	1, 238, 561	San Francisco, Calif	637, 212
Canton, Ohio	105, 524	Louisville, Ky	307, 808	Scranton, Pa	143, 428
Chattanooga, Tenn	119, 539	Lowell, Mass	100, 300	Seattle, Wash	365, 518
Chicago, Ill	3, 375, 329	Lynn, Mass	102, 327	Somerville, Mass	103, 604
Cincinnati, Ohio	449, 331	Memphis, Tenn	252, 049	South Bend, Ind	104, 066
Cleveland, Ohio	900, 430	Miami, Fla	110, 514	Spokane, Wash	116, 010
Columbus, Ohio	289, 056	Milwaukee, Wis	572, 557	Springfield, Mass	149, 861
Dallas, Tex	260, 307	Minneapolis, Minn	464, 753	Syracuse, N. Y	209, 007
Dayton, Ohio	200, 225	Nashville, Tenn	153, 153	Tacoma, Wash	106, 885
Denver, Colo	287, 644	New Bedford, Mass	112, 836	Tampa, Fla	101, 334
Des Moines, Iowa	142, 469	New Haven, Conn	162, 650	Toledo, Ohio	290, 803
Detroit, Mich	1, 573, 985	New Orleans, La	458, 792	Trenton, N. J	122, 610
Duluth, Minn	101, 417	New York, N. Y	6, 981, 927	Tulsa, Okla	141, 281
El Paso, Tex	101, 975	Newark, N. J	442, 842	Utica, N. Y	102, 633
Elizabeth, N. J	114, 557	Norfolk, Va	128, 968	Washington, D. C	486, 869
Erie, Pa	115, 922	Oakland, Calif	284, 213	Waterbury, Conn	101, 025
Evansville, Ind	103, 151	Oklahoma City, Okla	185, 383	Wichita, Kans	111, 039
Fall River, Mass	115, 301	Omaha, Nebr	214, 175	Wilmington, Del	106, 632
Flint, Mich	156, 422	Patterson, N. J	138, 267	Worcester, Mass	196, 837
Fort Wayne, Ind	115, 121	Peoria, Ill	104, 788	Yonkers, N. Y	135, 123
Fort Worth, Tex	160, 892	Philadelphia, Pa	1, 964, 430	Youngstown, Ohio	170, 004
Gary, Ind	100, 749	Pittsburgh, Pa	669, 742		
Grand Rapids, Mich	168, 660	Portland, Oreg	301, 890		

Source of Tables 7 and 8: Bureau of the Census, Department of Commerce.

No. 9.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

NOTE.—The census of 1870 in the Southern States is considered incomplete; this affects especially the figures for the negro population

Class	1860	1870	1880	1890	1900	1910	1920
All classes	31,443,321	38,558,371	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620
White	26,922,537	33,589,377	43,402,970	55,101,258	66,809,196	81,731,957	94,820,915
Negro	4,441,830	4,880,009	6,580,793	7,488,676	8,833,994	9,827,763	10,463,131
Indian	[1] 44,021	[1] 25,731	[1] 66,407	248,253	237,196	265,683	244,437
Chinese	34,933	63,199	105,465	107,488	89,863	71,531	61,639
Japanese		55	148	2,039	24,326	72,157	111,010
All other [2]						3,175	9,488
Native (all races)	27,304,624	32,991,142	43,475,840	53,698,154	65,653,299	78,456,380	91,789,928
Foreign born	4,138,697	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692
White population:							
Native, total	22,825,784	28,095,665	36,843,201	45,979,391	56,595,379	68,386,412	81,108,161
Native parentage		22,771,397	28,568,424	34,475,716	40,949,362	49,488,575	58,421,957
Foreign or mixed parentage		5,324,268	8,274,867	11,503,675	15,646,017	18,897,837	22,686,204
Foreign		4,167,098	6,363,769	8,085,019	10,632,280	12,916,311	15,694,539
Mixed native and foreign		1,157,170	1,911,098	3,418,656	5,013,737	5,981,526	6,991,665
Foreign born	4,096,753	5,493,712	6,559,679	9,121,867	10,213,817	13,345,545	13,712,754
Per cent of total	100.0	100.0	100.0	100.0	100.0	100 0	100.0
White	85.6	87.1	86.5	87 5	87.9	88.9	89.7
Negro	14.1	12.7	13.1	11.9	11.6	10.7	9.9
Indian	0.1	0.1	0.1	0.4	0.3	0.3	0.2
Chinese	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Japanese		[3]	[3]	[3]	[3]	0.1	0.1
All other [2]						[3]	[3]
Native (all races)	86.8	85.6	86.7	85.3	86.4	85.3	86.8
Foreign born	13.2	14.4	13.3	14.7	13.6	14.7	13.2
White population:							
Native, total	72.6	72.9	73.5	73.0	74.5	74.4	76.7
Native parentage		59.1	57.0	54.8	53.9	53.8	55.3
Foreign or mixed parentage		13.8	16.5	18.3	20.6	20.5	21.5
Foreign		10.8	12.7	12.8	14.0	14.0	14.8
Mixed native and foreign		3.0	3.8	5.4	6.6	6.5	6.6
Foreign born	13.0	14.2	13.1	14.5	13.4	14.5	13.0
Increase over preceding census: [4]							
All classes	8,251,445	7,115,050	11,597,412	[5]12,466,467	13,046,861	15,977,691	13,738,354
Per cent	35.6	22.6	30.1	24.9	20.7	21.0	14.9
White	7,369,469	6,666,840	9,813,593	11,580,920	11,707,938	14,922,761	13,088,958
Per cent	37.7	24.8	29.2	26.7	21.2	22.3	16.0
Negro	803,022	438,179	1,700,784	889,247	1,345,318	993,769	635,368
Per cent	22.1	9.9	34.9	13.5	18.0	11.2	6.5
Indian	44,021	−18,290	40,676	−7,601	−11,057	28,487	−21,246
Per cent		−41.5	158.1	−11.4	−4.5	12.0	−8.0
Chinese	34,933	28,266	42,266	2,010	−17,625	−18,332	−9,892
Per cent		80.9	66.9	1.9	−16.4	−20.4	−13.8
Japanese		55	93	1,891	22,287	47,831	38,853
Per cent			[6]	1,277.7	1,093.0	196.6	53.8
All other [2]						3,175	6,313
Per cent							198.8
Native (all races)	6,357,350	5,686,518	10,484,698	9,896,803	11,955,145	12,803,081	13,333,548
Per cent	30.3	20.8	31.8	22.8	22.3	19.5	17.0
Foreign born	1,894,095	1,428,532	1,112,714	2,569,604	1,091,716	3,174,610	404,806
Per cent	84.4	34.5	20.0	38.5	11.8	30.7	3.0
White population:							
Native, total	5,513,251	5,269,881	8,747,626	9,018,732	10,615,988	11,791,033	12,721,749
Per cent	31.8	23.1	31.1	24.5	23.1	20.8	18.6
Native parentage			5,797,027	5,789,924	6,473,646	8,539,213	8,933,382
Per cent			25.5	20.3	18.8	20.9	18.1
Foreign or mixed parentage			2,950,599	3,228,808	4,142,342	3,251,820	3,788,367
Per cent			55.4	39.0	36.0	20.8	20.0
Foreign			2,196,671	1,721,250	2,547,261	2,284,031	2,778,228
Per cent			52.7	27.0	31.5	21.5	21.5
Mixed native and foreign			753,928	1,507,558	1,595,081	967,789	1,010,139
Per cent			65.2	78.9	46.7	19.3	16.9
Foreign born	1,856,218	1,396,959	1,065,967	2,562,188	1,091,950	3,131,728	367,209
Per cent	82.8	34.1	19.4	39.1	12.0	30.7	2.8

[1] Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.
[2] Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.
[3] Less than one-tenth of 1 per cent.
[4] A minus sign (−) denotes decrease.
[5] Exclusive of 325,464 persons (117,368 whites, 18,636 Negroes, 189,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.
[6] Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

No. 10.—SEX DISTRIBUTION, BY CLASSES: CONTINENTAL UNITED STATES

Class	1900		1910		1920		Males per 100 females		
	Males	Females	Males	Females	Males	Females	1900	1910	1920
All classes	38,816,448	37,178,127	47,332,277	44,639,989	53,900,431	51,810,189	104.4	106.0	104.0
White	34,201,735	32,607,461	42,178,245	39,553,712	48,430,655	46,390,260	104.9	106.6	104.4
Negro	4,386,547	4,447,447	4,885,881	4,941,882	5,209,436	5,253,695	98.6	98.9	99.2
Indian	119,484	117,712	135,133	130,550	125,068	119,369	101.5	103.5	104.8
Chinese	85,341	4,522	66,856	4,675	53,891	7,748	1,887.2	1,430.1	695.5
Japanese	23,341	985	63,070	9,087	72,707	38,303	2,369.0	694.1	189.8
All other			3,092	83	8,674	814		(1)	1,065.6
White population:									
Native, total	28,686,450	27,908,929	34,654,457	33,731,955	40,902,333	40,205,828	102.8	102.7	101.7
Native parentage	20,849,847	20,090,515	25,229,218	24,259,357	29,036,781	28,785,176	103.7	104.0	103.0
Foreign or mixed parentage	7,836,603	7,809,414	9,425,239	9,472,598	11,265,552	11,420,652	100.3	99.5	98.6
Foreign	5,341,350	5,290,930	6,456,793	6,459,518	7,810,531	7,884,008	101.0	100.0	99.1
Mixed native and foreign	2,495,253	2,518,484	2,968,446	3,013,080	3,455,021	3,536,644	99.1	98.5	97.7
Foreign born	5,515,285	4,698,532	7,523,788	5,821,757	7,528,322	6,184,432	117.4	129.2	121.7

	1860	1870	1880	1890
Total population:				
Males	16,085,204	19,493,565	25,518,820	32,237,101
Females	15,358,117	19,064,806	24,036,963	30,710,613
Males per 100 females	104.7	102.2	103.6	105.0

[1] Ratio not shown, number of females being less than 100.

No. 11.—AGE DISTRIBUTION: BY CLASSES, 1920, WITH CERTAIN COMPARISONS FOR PREVIOUS CENSUSES, CONTINENTAL UNITED STATES

Age group	All classes					
	Number			Per cent		
	1900	1910	1920	1900	1910	1920
Total	75,994,575	91,972,266	[1] 105,710,620	100.0	100.0	100.0
Under 5	9,170,628	10,631,364	11,573,230	12.1	11.6	10.9
5 to 14	16,954,357	18,807,772	22,039,212	22.3	20.5	20.8
15 to 19	7,556,089	9,063,605	9,430,556	9.9	9.9	8.9
20 to 44	28,632,443	35,866,859	40,555,543	37.7	39.0	38.4
45 and over	13,480,474	17,373,513	21,963,380	17.7	18.9	20.8
Age unknown	200,584	169,055	148,699	0.3	0.2	0.1

Age group	Male		Female		Native white, native parentage		Native white, foreign or mixed parentage	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total (1920)	53,900,431	100.0	51,810,189	100.0	58,421,957	100.0	22,686,204	100.0
Under 5	5,857,401	10.9	5,715,769	11.0	7,366,530	12.6	2,962,407	13.1
5 to 14	11,122,307	20.6	10,916,905	21.1	13,433,572	23.0	5,521,749	24.3
15 to 19	4,673,792	8.7	4,756,764	9.2	5,599,046	9.6	2,187,167	9.6
20 to 44	20,555,965	38.1	19,999,578	38.6	20,952,732	35.9	8,235,855	36.3
45 and over	11,598,031	21.5	10,365,340	20.0	10,977,908	18.8	3,767,796	16.6
Age unknown	92,875	0.2	55,824	0.1	92,169	0.2	11,230	(2)

Age group	Foreign-born white		Negroes		Indian		Chinese		Japanese	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total (1920)	13,712,754	100.0	10,463,131	100.0	244,437	100.0	61,639	100.0	111,010	100.0
Under 5	44,984	0.3	1,143,609	10.9	33,346	13.6	2,898	4.7	19,029	17.1
5 to 14	501,246	3.7	2,503,121	23.9	64,339	26.3	4,516	7.3	10,312	9.3
15 to 19	527,042	3.9	1,083,215	10.4	25,417	10.4	2,760	4.5	4,342	3.9
20 to 44	7,198,586	52.5	3,996,083	38.2	75,345	30.8	25,470	41.3	64,315	57.9
45 and over	5,419,732	39.5	1,713,510	16.4	45,199	18.5	25,735	41.8	12,600	11.4
Age unknown	20,264	0.1	23,503	0.2	791	0.3	260	0.4	412	0.4

[1] All classes for 1920 includes other nonwhite (9,488) not shown separately.
[2] Less than one-tenth of 1 per cent.

Source of Tables 10 and 11: Bureau of the Census, Department of Commerce.

No. 12.—POPULATION OF ALASKA, HAWAII, PORTO RICO, AND PHILIPPINE ISLANDS: BY SEX, RACE, NATIVITY, AND AGE

	1900	1910	1920
ALASKA			
Total	63,592	64,356	55,036
Male	45,872	45,857	34,539
Female	17,720	18,499	20,497
White	30,493	36,400	27,883
Indian	29,536	25,331	26,558
Chinese	3,116	1,209	56
Japanese	279	913	312
Negro	168	209	128
All other	----------	294	99
Native	50,031	43,921	42,766
Foreign born	12,661	20,435	12,270
Under 5 years	3,634	5,363	5,669
Under 1 year	647	1,108	1,152
5 to 9 years	3,977	4,028	5,599
10 to 14 years	3,210	2,876	4,292
15 to 19 years	3,154	3,534	3,279
20 to 44 years	25,335	35,970	22,676
45 years and over	7,371	11,965	13,224
Age unknown	16,911	622	297
HAWAII			
Total	154,001	191,909	255,912
Male	106,369	123,099	151,146
Female	47,632	68,810	104,766
White	28,819	44,048	54,742
Negro	233	695	348
Chinese	25,767	21,674	23,507
Japanese	61,111	79,675	109,274
Filipino	----------	2,361	21,031
Korean	----------	4,533	4,950
Hawaiian	29,799	26,041	23,723
Part-Hawaiian	7,857	12,506	18,027
Other races	415	376	310
Native	63,221	93,157	168,671
Foreign born	90,780	93,752	87,241
Under 5 years	15,084	24,065	38,550
Under 1 year	3,431	5,515	8,579
5 to 9 years	11,149	19,055	30,195
10 to 14 years	8,438	13,537	22,060
15 to 19 years	10,844	13,650	20,645
20 to 44 years	91,290	95,721	103,416
45 years and over	16,633	25,825	40,933
Age unknown	563	56	113

	1899	1910	1920
PORTO RICO			
Total	953,243	1,118,012	1,299,809
Male	472,261	557,301	647,825
Female	480,982	560,711	651,984
White	589,426	732,555	948,709
Black	59,390	50,245	49,240
Mulatto	304,352	335,192	301,816
Other	75	20	38
Native	939,376	1,106,246	1,291,642
Foreign born [1]	13,867	11,766	8,167
Under 5 years	150,403	185,189	200,255
Under 1 year	26,309	39,860	43,184
5 to 9 years	143,546	151,223	195,131
10 to 14 years	124,353	143,751	168,054
15 to 19 years	93,148	113,789	126,248
20 to 44 years	328,859	389,775	441,123
45 years and over	112,827	134,231	168,696
Age unknown	107	54	297
PHILIPPINE ISLANDS [2]			
Total	6,703,311	7,635,426	10,314,310
Male	----------	3,496,652	4,770,317
Female	----------	3,491,034	4,722,011
Brown	----------	6,914,880	9,386,826
Yellow	----------	42,097	50,826
Half-breed	----------	15,419	34,663
White	----------	14,271	12,390
Negro	----------	1,019	7,623
Philippine Islands [3]	----------	6,931,548	9,431,104
Foreign [3]	----------	56,138	61,224
Under 5 years [4]	----------	1,054,096	1,890,788
Under 1 year	----------	167,905	254,483
5 to 9 years [4]	----------	960,064	1,160,390
10 to 14 years	----------	751,243	1,052,447
15 to 19 years [4]	----------	696,180	1,191,933
20 to 44 years [4]	----------	2,464,811	2,983,945
45 years and over [4]	----------	1,061,292	1,212,826

[1] In the figures for 1899 persons born in the United States are included among the foreign born.

[2] Figures in the 1910 and 1920 columns are for 1903 and 1918, respectively. All data except for total population relate to Christians only in 1903 and to Christians and non-Christians in only the regularly organized provinces in 1918. Distribution by sex, race, etc., in 1899 is not available.

[3] Birthplace.

[4] Figures in 1918 are for the population under 6 years, 6 to 9 years, 15 to 20 years, 21 to 45 years, 46 years and over, respectively.

Sources: Alaska, Hawaii, and Porto Rico from the Bureau of Census, Department of Commerce; Philippine Islands from the Census of the Philippine Islands.

No. 13.—POPULATION BY STATES

NOTE.—The census of 1870 in the Southern States is considered

Division and State	Population							
	1790	1800	1810	1820	1830	1840	1850	1860
United States (Cont'l)	3, 929, 214	5, 308, 483	7, 239, 881	9, 638, 453	[3] 12, 866, 020	[3] 17, 069, 453	23, 191, 876	31, 443, 321
New England	1, 009, 408	1, 233, 011	1, 471, 973	1, 660, 071	1, 954, 717	2, 234, 822	2, 728, 116	3, 135, 283
Maine	96, 540	151, 719	228, 705	298, 335	399, 455	501, 793	583, 169	628, 279
New Hampshire	141, 885	183, 858	214, 460	244, 161	269, 328	284, 574	317, 976	326, 073
Vermont	85, 425	154, 465	217, 895	235, 981	280, 652	291, 948	314, 120	315, 098
Massachusetts	378, 787	422, 845	472, 040	523, 287	610, 408	737, 699	994, 514	1, 231, 066
Rhode Island	68, 825	69, 122	76, 931	83, 059	97, 199	108, 830	147, 545	174, 620
Connecticut	237, 946	251, 002	261, 942	275, 248	297, 675	309, 978	370, 792	460, 147
Middle Atlantic	958, 632	1, 402, 565	2, 014, 702	2, 699, 845	3, 587, 664	4, 526, 280	5, 898, 735	7, 458, 985
New York	340, 120	580, 051	959, 049	1, 372, 812	1, 918, 608	2, 428, 921	3, 097, 394	3, 880, 735
New Jersey	184, 139	211, 149	245, 562	277, 575	320, 823	373, 306	489, 555	672, 035
Pennsylvania	434, 373	602, 365	810, 091	1, 049, 458	1, 348, 233	1, 724, 033	2, 311, 786	2, 906, 215
East North Central		51, 006	272, 324	792, 719	1, 470, 018	2, 924, 728	4, 523, 260	6, 926, 884
Ohio		45, 365	230, 760	581, 434	937, 903	1, 519, 467	1, 980, 329	2, 339, 511
Indiana		5, 641	24, 520	147, 178	343, 031	685, 866	988, 416	1, 350, 428
Illinois			12, 282	55, 211	157, 445	476, 183	851, 470	1, 711, 951
Michigan			4, 762	8, 896	31, 639	212, 267	397, 654	749, 113
Wisconsin						30, 945	305, 391	775, 881
West North Central			19, 783	66, 586	140, 455	426, 814	880, 335	2, 169, 832
Minnesota							6, 077	172, 023
Iowa						43, 112	192, 214	674, 913
Missouri			[4] 19, 783	66, 586	140, 455	383, 702	682, 044	1, 182, 012
North Dakota								[5]
South Dakota								[5] 4, 837
Nebraska								28, 841
Kansas								107, 206
South Atlantic	1, 851, 806	2, 286, 494	2, 674, 891	3, 061, 063	3, 645, 762	3, 925, 298	4, 679, 090	5, 364, 703
Delaware	59, 096	64, 273	72, 674	72, 749	76, 748	78, 085	91, 532	112, 216
Maryland	319, 728	341, 548	380, 546	407, 350	447, 040	470, 019	583, 034	687, 049
District of Columbia		14, 093	24, 023	33, 039	39, 834	43, 712	51, 687	75, 080
Virginia	747, 610	880, 200	974, 600	1, 065, 366	1, 211, 405	1, 239, 797	1, 421, 661	1, 596, 318
West Virginia [6]								
North Carolina	393, 751	478, 103	555, 500	638, 829	737, 987	753, 419	869, 039	992, 622
South Carolina	249, 073	345, 591	415, 115	502, 741	581, 185	594, 398	668, 507	703, 708
Georgia	82, 548	162, 686	252, 433	340, 989	516, 823	691, 392	906, 185	1, 057, 286
Florida					34, 730	54, 477	87, 445	140, 424
East South Central	109, 368	335, 407	708, 590	1, 190, 489	1, 815, 969	2, 575, 445	3, 363, 271	4, 020, 991
Kentucky	73, 677	220, 955	406, 511	564, 317	687, 917	779, 828	982, 405	1, 155, 684
Tennessee	35, 691	105, 602	261, 727	422, 823	681, 904	829, 210	1, 002, 717	1, 109, 801
Alabama				127, 901	309, 527	590, 756	771, 623	964, 201
Mississippi		8, 850	40, 352	75, 448	136, 621	375, 651	606, 526	791, 305
West South Central			77, 618	187, 680	246, 127	449, 985	940, 251	1, 747, 667
Arkansas			[7] 1, 062	14, 273	30, 388	97, 574	209, 897	435, 450
Louisiana			76, 556	153, 407	215, 739	352, 411	517, 762	708, 002
Oklahoma								
Texas							212, 592	604, 215
Mountain							72, 927	174, 923
Montana								
Idaho								
Wyoming								
Colorado								34, 277
New Mexico							61, 547	93, 516
Arizona								
Utah							11, 380	40, 273
Nevada								6, 857
Pacific							105, 891	444, 053
Washington								11, 594
Oregon							13, 294	52, 465
California							92, 597	379, 994

[1] A minus sign (—) denotes decrease.
[2] Includes population (325,464) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890.
[3] Includes persons (5,318 in 1830 and 6,100 in 1840) on public ships in the service of the United States not credited to any division or State.

Source: Bureau of the Census, Department of Commerce.

AT EACH CENSUS, 1790 TO 1920

incomplete. For preliminary figures for 1930, see Table 7, p. 4.

Population—Continued						Per cent increase [1]		Rank in population		Division and State
1870	1880	1890 [2]	1900	1910	1920	1900–1910	1910–1920	1910	1920	
38,558,371	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620	21.0	14.9			U.S.
3,487,924	4,010,529	4,700,749	5,592,017	6,552,681	7,400,909	17.2	12.9	VII	VII	N.E.
626,915	648,936	661,086	694,466	742,371	768,014	6.9	3.5	34	35	Me.
318,300	346,991	376,530	411,588	430,572	443,083	4.6	2.9	39	41	N.H.
330,551	332,286	332,422	343,641	355,956	352,428	3.6	−1.0	42	45	Vt.
1,457,351	1,783,085	2,238,947	2,805,346	3,366,416	3,852,356	20.0	14.4	6	6	Mass.
217,353	276,531	345,506	428,556	542,610	604,397	26.6	11.4	38	38	R.I.
537,454	622,700	746,258	908,420	1,114,756	1,380,631	22.7	23.9	31	29	Conn.
4,810,806	10,496,878	12,700,220	15,454,678	19,315,892	22,261,144	25.0	15.2	I	I	M.A.
4,382,759	5,082,871	6,003,174	7,268,894	9,113,614	10,385,227	25.4	14.0	1	1	N.Y.
906,096	1,131,116	1,444,933	1,883,669	2,537,167	3,155,900	34.7	24.4	11	10	N.J.
3,521,951	4,282,891	5,258,113	6,302,115	7,665,111	8,720,017	21.6	13.8	2	2	Pa.
9,124,517	11,206,668	13,478,305	15,985,581	18,250,621	21,475,543	14.2	17.7	II	II	E.N.C.
2,665,260	3,198,062	3,672,329	4,157,545	4,767,121	5,759,394	14.7	20.8	4	4	Ohio.
1,680,637	1,978,301	2,192,404	2,516,462	2,700,876	2,930,390	7.3	8.5	9	11	Ind.
2,539,891	3,077,871	3,826,352	4,821,550	5,638,591	6,485,280	16.9	15.0	3	3	Ill.
1,184,059	1,636,937	2,093,890	2,420,982	2,810,173	3,668,412	16.1	30.5	8	7	Mich.
1,054,670	1,315,497	1,693,330	2,069,042	2,333,860	2,632,067	12.8	12.8	13	13	Wis.
3,856,594	6,157,443	8,932,112	10,347,423	11,637,921	12,544,249	12.5	7.8	IV	IV	W.N.C.
439,706	780,773	1,310,283	1,751,394	2,075,708	2,387,125	18.5	15.0	19	17	Minn.
1,194,020	1,624,615	1,912,297	2,231,853	2,224,771	2,404,021	−.3	8.1	15	16	Iowa.
1,721,295	2,168,380	2,679,185	3,106,665	3,293,335	3,404,055	6.0	3.4	7	9	Mo.
[5] 2,405	[5] 36,909	190,983	319,146	577,056	646,872	80.8	12.1	37	36	N.Dak.
[5] 11,776	[5] 98,268	348,600	401,570	583,888	636,547	45.4	9.0	36	37	S.Dak.
122,993	452,402	1,062,656	1,066,300	1,192,214	1,296,372	11.8	8.7	29	31	Nebr.
364,399	996,096	1,428,108	1,470,495	1,690,949	1,769,257	15.0	4.6	22	24	Kans.
5,853,610	7,597,197	8,857,922	10,443,480	12,194,895	13,990,272	16.8	14.7	III	III	S.A.
125,015	146,608	168,493	184,735	202,322	223,003	9.5	10.2	47	47	Del.
780,894	934,943	1,042,390	1,188,044	1,295,346	1,449,661	9.0	11.9	27	28	Md.
131,700	177,624	230,392	278,718	331,069	437,571	18.8	32.2	43	42	D.C.
1,255,163	1,512,565	1,655,980	1,854,184	2,061,612	2,309,187	11.2	12.0	20	20	Va.
442,014	618,457	762,794	958,800	1,221,119	1,463,701	27.4	19.9	28	27	W.Va.
1,071,361	1,399,750	1,617,949	1,893,810	2,206,287	2,559,123	16.5	16.0	16	14	N.C.
705,606	995,577	1,151,149	1,340,316	1,515,400	1,683,724	13.1	11.1	26	26	S.C.
1,184,109	1,542,180	1,837,353	2,216,331	2,609,121	2,895,832	17.7	11.0	10	12	Ga.
187,748	269,493	391,422	528,542	752,619	968,470	42.4	28.7	33	32	Fla.
4,404,445	5,585,151	6,429,154	7,547,757	8,409,901	8,893,307	11.4	5.7	VI	VI	E.S.C.
1,321,011	1,648,690	1,858,635	2,147,174	2,289,905	2,416,630	6.6	5.5	14	15	Ky.
1,258,520	1,542,359	1,767,518	2,020,616	2,184,789	2,337,885	8.1	7.0	17	19	Tenn.
996,992	1,262,505	1,513,401	1,828,697	2,138,093	2,348,174	16.9	9.8	18	18	Ala.
827,922	1,131,597	1,289,600	1,551,270	1,797,114	1,790,618	15.8	−.4	21	23	Miss.
2,029,965	3,334,220	4,740,983	6,532,290	8,784,534	10,242,224	34.5	16.6	V	V	W.S.C.
484,471	802,525	1,128,211	1,311,564	1,574,449	1,752,204	20.0	11.3	25	25	Ark.
726,915	939,946	1,118,588	1,381,625	1,656,388	1,798,509	19.9	8.6	24	22	La.
		[8] 258,657	[8] 790,391	1,657,155	2,028,283	109.7	22.4	23	21	Okla.
818,579	1,591,749	2,235,527	3,048,710	3,896,542	4,663,228	27.8	19.7	5	5	Tex.
315,385	653,119	1,213,935	1,674,657	2,633,517	3,336,101	57.3	26.7	IX	IX	Mt.
20,595	39,159	142,924	243,329	376,053	548,889	54.5	46.0	40	39	Mont.
14,999	32,610	88,548	161,772	325,594	431,866	101.3	32.6	45	43	Idaho.
9,118	20,789	62,555	92,531	145,965	194,402	57.7	33.2	48	48	Wyo.
39,864	194,327	413,249	539,700	799,024	939,629	48.0	17.6	32	33	Colo.
91,874	119,565	160,282	195,310	327,301	360,350	67.6	10.1	44	44	N.Mex.
9,658	40,440	88,243	122,931	204,354	334,162	66.2	63.5	46	46	Ariz.
86,786	143,963	210,779	276,749	373,351	449,396	34.9	20.4	41	40	Utah.
42,491	62,266	47,355	42,335	81,875	77,407	93.4	−5.5	49	49	Nev.
675,125	1,114,578	1,888,334	2,416,692	4,192,304	5,566,871	73.5	32.8	VIII	VIII	Pac.
23,955	75,116	357,232	518,103	1,141,990	1,356,621	120.4	18.8	30	30	Wash.
90,923	174,768	317,704	413,536	672,765	783,389	62.7	16.4	35	34	Oreg.
560,247	864,694	1,213,398	1,485,053	2,377,549	3,426,861	60.1	44.1	12	8	Calif.

[4] Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.
[5] Population shown for South Dakota in 1860 represents entire Dakota Territory; for 1870 and 1880, population parts as since existing have been segregated.
[6] Area now constituting West Virginia formed part of Virginia prior to 1870.
[7] Population of area taken to form Arkansas Territory in 1819; part of Louisiana Territory in 1810.
[8] Includes population of Indian Territory, as follows: 1890, 180,182; 1900, 392,060.

No. 14.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

NOTE.—The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1920 of Alaska, Hawaii, and Porto Rico, and of December 31, 1918, Philippine Islands, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 39.7; Porto Rico, 378.4; Philippine Islands, 90.0.

Division and State	1800	1850	1860	1870	1880	1890	1900	1910	1920
Continental United States	6.1	7.9	10.6	13.0	16.9	21.2	25.6	30.9	35.5
New England	19.3	44.0	50.6	56.3	64.7	75.3	90.2	105.7	119.4
Maine	5.1	19.5	21.0	21.0	21.7	22.1	23.2	24.8	25.7
New Hampshire	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1
Vermont	16.9	34.4	34.5	36.2	36.4	36.4	37.7	39.0	38.6
Massachusetts	52.6	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2
Rhode Island	64.8	138.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4
Connecticut	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4
Middle Atlantic	14.0	59.0	74.6	88.1	105.0	127.1	154.5	193.2	222.6
New York	12.4	65.0	81.4	92.0	106.7	126.0	152.5	191.2	217.0
New Jersey	28.1	65.2	80.4	120.6	150.5	192.3	250.7	337.7	420.0
Pennsylvania	13.4	51.6	64.8	78.6	95.5	117.3	140.6	171.0	194.5
East North Central	0.2	18.4	28.2	37.2	45.7	54.9	65.2	74.3	87.5
Ohio	1.1	48.6	57.4	65.4	78.5	90.1	102.1	117.0	141.4
Indiana	(1)	27.5	37.6	40.8	55.1	61.1	70.1	74.9	81.3
Illinois		15.2	30.6	45.4	55.0	68.3	86.1	100.6	115.7
Michigan		6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8
Wisconsin		5.5	14.0	19.1	23.8	30.0	37.4	42.2	47.6
West North Central		3.1	3.0	7.8	12.1	17.5	20.3	22.8	24.6
Minnesota		(1)	2.1	5.4	9.7	16.2	21.7	25.7	29.5
Iowa		3.5	12.1	21.5	29.2	34.4	40.2	40.0	43.2
Missouri		9.9	17.2	25.0	31.6	39.0	45.2	47.9	49.5
North Dakota			(2)	(2)	(1)	2.7	4.5	8.2	9.2
South Dakota			(2)	(2)	(1)	4.5	5.2	7.6	8.3
Nebraska			0.2	1.6	5.9	13.8	13.9	15.6	16.9
Kansas			1.3	4.5	12.2	17.5	18.0	20.7	21.6
South Atlantic	8.6	17.4	19.9	21.8	28.2	32.9	38.8	45.3	52.0
Delaware	32.7	46.6	57.1	63.6	74.6	86.7	94.0	103.0	113.5
Maryland	34.4	58.6	69.1	78.6	94.0	104.9	119.5	130.3	145.8
District of Columbia	150.6	891.2	1,294.5	2,270.7	3,062.5	3,972.3	4,645.3	5,517.8	7,202.9
Virginia	13.7	22.1	24.8	30.4	37.6	41.1	46.1	51.2	57.4
West Virginia				18.4	25.7	31.8	39.9	50.8	60.0
North Carolina	9.8	17.8	20.4	22.0	28.7	33.2	38.9	45.3	52.5
South Carolina	11.3	21.9	23.1	23.1	32.6	37.7	44.0	49.7	55.2
Georgia	1.5	15.4	18.0	20.2	26.3	31.3	37.7	44.4	49.3
Florida		1.6	2.6	3.4	4.9	7.1	9.6	13.7	17.7
East South Central	2.9	18.7	22.4	24.5	31.1	35.8	42.0	46.8	49.5
Kentucky	5.5	24.4	28.8	32.9	41.0	49.3	53.4	57.0	60.1
Tennessee	2.5	24.1	26.6	30.2	37.0	42.4	48.5	52.4	56.1
Alabama		15.0	18.8	19.4	24.6	29.5	35.7	41.7	45.8
Mississippi	0.3	13.1	17.1	17.9	24.4	27.8	33.5	38.8	38.6
West South Central		2.6	4.9	5.6	9.3	11.0	15.2	20.4	23.8
Arkansas		4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4
Louisiana		11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6
Oklahoma						[3] 2.0	[3] 10.3	23.9	29.2
Texas		0.8	2.3	3.1	6.1	8.5	11.6	14.8	17.8
Mountain		0.2	0.3	0.4	0.8	1.4	1.9	3.1	3.9
Montana				0.1	0.3	1.0	1.7	2.6	3.8
Idaho				0.2	0.4	1.1	1.9	3.9	5.2
Wyoming				0.1	0.2	0.5	0.9	1.5	2.0
Colorado			0.3	0.4	1.9	4.0	5.2	7.7	9.1
New Mexico		0.3	0.4	0.7	1.0	1.3	1.6	2.7	2.9
Arizona				0.1	0.4	0.8	1.1	1.8	2.9
Utah		(1)	0.3	1.1	1.8	2.6	3.4	4.5	5.5
Nevada			0.1	0.4	0.6	0.4	0.4	0.7	0.7
Pacific		0.2	1.0	2.1	3.5	5.9	7.6	13.2	17.5
Washington			0.1	0.4	1.1	5.3	7.8	17.1	20.3
Oregon		(1)	0.5	1.0	1.8	3.3	4.3	7.0	8.2
California		0.6	2.4	3.6	5.5	7.8	9.5	15.3	22.0

[1] Less than one-tenth of 1 per cent.
[2] Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.
[3] Indian Territory: 5.9 in 1890 and 12.7 in 1900; combined with Oklahoma, 3.7 in 1890 and 11.4 in 1900.

Source: Bureau of the Census, Department of Commerce.

No. 15.—AGE DISTRIBUTION OF POPULATION, BY STATES, 1920

Division and State	Age groups—						
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over	Age unknown
Continental United States	**11, 573, 230**	**11, 398, 075**	**10, 641, 137**	**9, 430, 556**	**40, 555, 543**	**21, 963, 380**	**148, 699**
New England	753, 030	701, 890	650, 732	589, 138	2, 879, 855	1, 819, 363	6, 901
Maine	75, 140	71, 641	69, 991	63, 860	270, 873	215, 614	895
New Hampshire	41, 391	39, 762	38, 791	35, 152	160. 601	126, 594	792
Vermont	34, 544	33, 412	32, 585	29, 508	121, 389	100, 614	376
Massachusetts	385, 761	359, 826	333, 538	302, 131	1, 538, 716	929, 252	3, 132
Rhode Island	62, 356	58, 253	53, 836	51, 655	237, 065	140, 939	293
Connecticut	153, 838	138, 996	121, 991	106, 832	551, 211	306, 350	1, 413
Middle Atlantic	2, 354, 451	2, 240, 339	2, 045, 395	1, 815, 597	8, 949, 275	4, 833, 938	22, 149
New York	1, 010, 290	972, 151	902, 418	817, 099	4, 327, 292	2, 343, 412	11, 965
New Jersey	338, 696	322, 958	291, 236	255, 161	1, 279, 766	665, 522	2, 561
Pennsylvania	1, 005, 465	945, 230	851, 741	742, 737	3, 342, 217	1, 825, 004	7, 623
East North Central	2, 220, 032	2, 124, 725	1, 964, 219	1, 793, 056	8, 508, 125	4, 342, 133	23, 253
Ohio	586, 136	548, 802	508, 329	464, 654	2, 309, 863	1, 337, 698	3, 912
Indiana	289, 195	284, 981	274, 400	254, 204	1, 096, 824	726, 956	3, 830
Illinois	655, 073	645, 264	595, 330	540, 552	2, 639, 468	1, 400, 669	8, 924
Michigan	404, 586	368, 220	326, 453	295, 514	1, 474, 769	795, 138	3, 732
Wisconsin	285, 042	277, 458	259, 707	238, 132	987, 201	581, 672	2, 855
West North Central	1, 341, 412	1, 313, 097	1, 249, 571	1, 144, 426	4, 752, 200	2, 725, 220	18, 323
Minnesota	261, 394	248, 599	233, 961	219, 609	025, 236	496, 673	2, 653
Iowa	250, 887	239, 979	227, 801	214, 981	904, 494	562, 442	3, 437
Missouri	327, 909	338, 375	335, 121	307, 163	1, 302, 890	788, 386	4, 211
North Dakota	90, 889	85, 773	74, 759	61, 454	230, 121	102, 584	1, 202
South Dakota	79, 831	74, 521	66, 510	59, 476	239, 979	114, 783	1, 447
Nebraska	143, 240	140, 580	132, 108	119, 052	494, 159	264, 687	2, 546
Kansas	187, 262	185, 270	179, 311	162, 691	655, 321	396, 665	2, 737
South Atlantic	1, 729, 369	1, 747, 456	1, 633, 561	1, 409, 111	4, 993, 867	2, 456, 784	20, 124
Delaware	22, 929	21, 144	20, 214	18, 572	86, 650	52, 772	722
Maryland	147, 005	143, 703	139, 871	130, 997	563, 715	322, 879	1, 491
District of Columbia	30, 436	29, 840	29, 816	33, 526	212, 140	99, 924	1, 889
Virginia	277, 184	283, 135	265, 993	234, 360	818, 503	426, 974	3, 038
West Virginia	195, 934	184, 372	164, 147	141, 311	525, 499	249, 652	2, 786
North Carolina	358, 808	355, 642	318, 857	268, 108	844, 553	409, 856	3, 209
South Carolina	228, 531	235, 827	223, 040	182, 761	599, 417	242, 762	1, 396
Georgia	363, 229	382, 373	366, 312	307, 549	1, 009, 913	464, 516	2, 940
Florida	105, 263	111, 420	106, 311	91, 837	363, 477	187, 449	2, 713
East South Central	1, 088, 134	1, 127, 944	1, 083, 052	911, 387	3, 078, 204	1, 594, 538	10, 048
Kentucky	291, 625	287, 571	271, 237	235, 824	846, 910	481, 545	1, 918
Tennessee	280, 739	286, 384	276, 437	238, 371	818, 265	435, 535	2, 154
Alabama	299, 522	318, 231	299, 412	244, 993	798, 254	385, 055	2, 707
Mississippi	216, 248	235, 758	235, 966	192, 199	614, 775	292, 403	3, 269
West South Central	1, 216, 509	1, 286, 179	1, 233, 234	1, 070, 051	3, 749, 358	1, 667, 113	19, 780
Arkansas	220, 811	228, 488	221, 471	183, 852	602, 363	293, 535	1, 684
Louisiana	209, 213	223, 230	219, 227	188, 305	664, 714	289, 495	4, 325
Oklahoma	252, 578	261, 754	247, 437	209, 335	726, 212	327, 086	3, 281
Texas	533, 907	572, 707	545, 099	488, 559	1, 756, 069	756, 997	10, 490
Mountain	398, 814	374, 824	335, 530	285, 204	1, 304, 385	626, 303	13, 061
Montana	67, 372	60, 074	51, 327	42, 028	225, 192	100, 950	1, 937
Idaho	54, 536	51, 279	46, 597	38, 319	161, 681	79, 115	339
Wyoming	22, 524	20, 885	17, 458	14, 780	86, 411	31, 469	875
Colorado	97, 058	95, 086	89, 214	78, 032	366, 496	205, 480	7, 654
New Mexico	46, 399	46, 356	40, 925	34, 660	129, 822	61, 733	456
Arizona	40, 807	37, 894	32, 673	28, 435	130, 144	54, 184	1, 025
Utah	61, 375	56, 491	51, 626	43, 373	161, 093	74, 977	461
Nevada	6, 743	6, 759	5, 710	4, 977	34, 526	18, 377	315
Pacific	473, 479	481, 621	445, 843	412, 586	2, 340, 294	1, 397, 988	15, 060
Washington	126, 434	128, 258	117, 553	106, 485	564, 273	308, 831	4, 787
Oregon	71, 318	73, 084	69, 014	62, 775	314, 820	191, 524	854
California	275, 727	280, 279	259, 276	243, 326	1, 461, 201	897, 633	9, 419

Source: Bureau of the Census, Department of Commerce.

No. 16.—POPULATION

NOTE.—The census of 1870 in the Southern States

Division and State	1860			1880			1890 [1]	
	White	Negro	All other [2]	White	Negro	All other [2]	White	Negro
Continental United States.	26,922,537	4,441,830	78,954	43,402,970	6,580,793	172,020	55,101,258	7,488,676
New England	3,110,480	24,711	92	3,968,789	39,925	1,816	4,653,191	44,580
Maine	626,947	1,327	5	646,852	1,451	633	659,263	1,190
New Hampshire	325,579	494		346,229	685	77	375,840	614
Vermont	314,369	709	20	331,218	1,057	11	331,418	937
Massachusetts	1,221,432	9,602	32	1,763,782	18,697	606	2,215,373	22,144
Rhode Island	170,649	3,952	19	269,030	6,488	104	337,859	7,393
Connecticut	451,504	8,627	16	610,769	11,547	384	733,438	12,302
Middle Atlantic	7,327,543	131,290	147	10,305,055	189,492	2,331	12,468,794	225,326
New York	3,831,590	49,005	140	5,016,022	65,104	1,745	5,923,955	70,092
New Jersey	646,699	25,336		1,092,017	38,853	246	1,396,581	47,638
Pennsylvania	2,849,259	56,949	7	4,197,016	85,535	340	5,148,258	107,596
East North Central	6,855,644	63,699	7,541	11,012,047	183,298	11,323	13,253,725	207,023
Ohio	2,302,808	36,673	30	3,117,920	79,900	242	3,584,805	87,113
Indiana	1,338,710	11,428	290	1,938,798	39,228	275	2,146,736	45,215
Illinois	1,704,291	7,628	32	3,031,151	46,368	352	3,768,472	57,028
Michigan	736,142	6,799	6,172	1,614,560	15,100	7,277	2,072,884	15,223
Wisconsin	773,693	1,171	1,017	1,309,618	2,702	3,177	1,680,828	2,444
West North Central	2,044,325	120,540	4,967	5,949,376	202,323	5,744	8,660,088	224,089
Minnesota	169,395	259	2,369	776,884	1,564	2,325	1,296,408	3,683
Iowa	673,779	1,069	65	1,614,600	9,516	499	1,901,090	10,685
Missouri	1,063,489	118,503	20	2,022,826	145,350	204	2,528,458	150,184
North Dakota	[3] 2,576		[3] 2,261	36,192	113	604	182,407	373
South Dakota				96,955	288	1,025	328,010	541
Nebraska	28,696	82	63	449,764	2,385	253	1,047,096	8,913
Kansas	106,390	627	189	952,155	43,107	834	1,376,619	49,710
outh Atlantic	3,305,107	2,058,198	1,398	4,054,112	2,941,202	1,883	5,592,149	3,262,690
Delaware	90,589	21,627		120,160	26,442	6	140,066	28,386
Maryland	515,918	171,131		724,693	210,230	20	826,493	215,657
District of Columbia	60,763	14,316	1	118,006	59,596	22	154,695	75,572
Virginia	1,047,299	548,907	112	880,858	631,616	91	1,020,122	635,438
West Virginia [4]				592,537	25,886	34	730,077	32,690
North Carolina	629,942	361,522	1,158	867,242	531,277	1,231	1,055,382	561,018
South Carolina	291,300	412,320	88	391,105	604,332	140	462,008	688,934
Georgia	591,550	465,698	38	816,906	725,133	141	978,357	858,815
Florida	77,746	62,677	1	142,605	126,690	198	224,949	166,180
East South Central	2,626,376	1,304,360	255	3,657,593	1,924,996	2,582	4,305,668	2,119,797
Kentucky	919,484	236,167	33	1,377,179	271,451	60	1,590,462	268,071
Tennessee	826,722	283,019	60	1,138,831	403,151	377	1,336,637	430,678
Alabama	526,271	437,770	160	662,185	600,103	217	833,718	678,489
Mississippi	353,899	437,404	2	479,398	650,291	1,908	544,851	742,559
West South Central	1,102,490	644,563	624	2,248,722	1,087,705	2,793	3,295,636	1,378,090
Arkansas	324,143	111,259	48	591,531	210,666	328	818,752	309,117
Louisiana	357,456	350,373	173	454,954	483,655	1,337	558,395	559,193
Oklahoma [5]							172,554	21,009
Texas	420,891	182,921	403	1,197,237	393,384	1,128	1,745,935	488,171
Mountain	184,092	235	10,596	814,821	5,022	33,270	1,117,363	12,971
Montana				35,385	346	3,428	127,690	1,490
Idaho				20,013	53	3,544	82,117	201
Wyoming				19,437	298	1,054	59,324	922
Colorado	34,231	46		191,126	2,435	766	404,534	6,215
New Mexico	82,924	85	10,507	108,721	1,015	9,829	142,918	1,956
Arizona				35,160	155	5,125	55,734	1,357
Utah	40,125	59	80	142,423	232	1,308	205,925	588
Nevada	6,812	45		53,556	488	8,222	39,121	242
Pacific	386,475	4,244	53,334	997,455	6,830	110,293	1,754,644	14,110
Washington	11,138	30	426	67,199	325	7,592	340,829	1,602
Oregon	52,160	128	177	163,075	487	11,206	301,982	1,186
California	323,177	4,086	52,731	767,181	6,018	91,495	1,111,833	11,322

[1] Includes population specially enumerated in Indian Territory and on Indian reservations.
[2] Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source: Bureau of the Census, Department of Commerce.

RACE, BY STATES

was incomplete; consequently, 1860 is shown

1890—Contd.	1900			1910			1920			Division and State
All other	White	Negro	All other	White	Negro	All other	White	Negro	All other	
357,780	66,805,196	8,833,994	351,385	81,731,957	9,827,763	412,548	94,820,915	10,463,131	426,574	U. S.
2,978	5,527,926	59,099	5,892	6,480,514	66,308	5,861	7,316,079	79,051	5,779	N. E.
633	692,226	1,319	921	739,995	1,363	1,013	765,595	1,310	1,009	Me.
76	410,791	662	135	429,906	564	102	442,331	621	131	N. H.
67	342,771	826	44	354,298	1,621	37	351,817	572	89	Vt.
1,430	2,769,764	31,974	3,608	3,324,926	38,055	3,435	3,803,524	45,466	3,366	Mass.
254	419,050	9,092	414	532,492	9,529	589	593,980	10,036	381	R. I.
518	892,424	15,226	770	1,098,897	15,174	685	1,358,732	21,046	853	Conn.
12,100	15,110,862	325,921	17,895	18,880,452	417,870	17,570	21,641,840	600,183	19,121	M. A.
9,127	7,156,881	99,232	12,781	8,966,845	134,191	12,578	10,172,027	198,483	14,717	N. Y.
714	1,812,317	60,844	1,508	2,445,894	89,760	1,513	3,037,087	117,132	1,681	N. J.
2,259	6,141,664	156,845	3,606	7,467,713	193,919	3,479	8,432,726	284,568	2,723	Pa.
17,557	15,710,053	257,842	17,686	17,927,622	300,836	22,163	20,938,862	514,554	22,127	E. N. C.
411	4,060,204	96,901	440	4,654,897	111,452	772	5,571,893	186,187	1,314	Ohio.
453	2,458,502	57,505	455	2,639,961	60,320	595	2,849,071	80,810	509	Ind.
852	4,734,873	85,078	1,599	5,526,962	109,049	2,580	6,299,333	182,274	3,673	Ill.
5,783	2,398,563	15,816	6,603	2,785,247	17,115	7,811	3,601,627	60,082	6,703	Mich.
10,058	2,057,911	2,542	8,589	2,320,555	2,900	10,405	2,616,938	5,201	9,928	Wis.
47,935	10,065,817	237,909	43,697	11,351,621	242,662	43,638	12,225,387	278,521	40,341	W. N. C.
10,192	1,737,036	4,959	9,399	2,059,227	7,084	9,397	2,368,936	8,809	9,380	Minn.
522	2,218,667	12,693	493	2,209,191	14,973	607	2,384,181	19,005	835	Iowa.
543	2,944,843	161,234	588	3,134,932	157,452	951	3,225,044	178,241	770	Mo.
8,203	311,712	286	7,148	569,855	617	6,584	639,954	467	6,451	N. Dak.
20,049	380,714	465	20,391	563,771	817	19,300	619,147	832	16,568	S. Dak.
6,647	1,056,526	6,269	3,505	1,180,293	7,689	4,232	1,279,210	13,242	3,911	Nebr.
1,779	1,416,319	52,003	2,173	1,634,352	54,030	2,567	1,708,906	57,925	2,426	Kans.
3,083	6,706,058	3,729,017	8,405	8,071,603	4,112,438	10,804	9,648,940	4,325,120	16,212	S. A.
41	153,977	30,697	61	171,102	31,181	39	192,615	30,335	53	Del.
240	952,424	235,064	556	1,062,639	232,250	457	1,204,737	244,479	445	Md.
125	191,532	86,702	484	236,128	94,446	495	326,860	100,966	745	D. C.
420	1,192,855	660,722	607	1,389,809	671,096	707	1,617,909	690,017	1,261	Va.
27	915,233	43,499	68	1,156,817	64,173	129	1,377,235	86,345	121	W. Va.
1,549	1,263,603	624,469	5,738	1,500,511	697,843	7,933	1,783,779	763,407	11,037	N. C.
207	557,807	782,321	188	679,161	835,843	396	818,538	804,719	467	S. C.
181	1,181,294	1,034,813	224	1,431,802	1,176,987	332	1,689,114	1,206,365	353	Ga.
293	297,333	230,730	479	443,634	308,669	316	638,153	329,487	830	Fla.
3,689	5,044,847	2,499,886	3,024	5,754,326	2,652,513	3,062	6,367,547	2,523,532	2,228	E. S. C.
102	1,862,309	284,706	159	2,027,951	261,656	298	2,180,560	235,938	132	Ky.
203	1,540,186	480,243	187	1,711,432	473,088	269	1,885,993	451,758	134	Tenn.
1,194	1,001,152	827,307	238	1,228,832	908,282	979	1,447,032	900,652	490	Ala.
2,190	641,200	907,630	2,440	786,111	1,009,487	1,516	853,962	935,184	1,472	Miss.
67,257	4,771,065	1,694,006	67,159	6,721,491	1,984,426	78,617	8,115,727	2,063,579	62,913	W. S. C.
342	944,680	366,856	128	1,131,026	442,891	532	1,279,757	472,220	227	Ark.
1,000	729,612	650,804	1,209	941,086	713,874	1,428	1,096,611	700,257	1,641	La.
64,494	670,204	55,684	64,503	1,444,531	137,612	75,012	1,821,194	149,408	57,681	Okla.
1,421	2,426,669	620,722	1,319	3,204,848	690,049	1,645	3,918,165	741,694	3,369	Tex.
83,601	1,579,856	15,590	79,212	2,520,455	21,467	91,595	3,212,899	30,801	92,401	Mt.
13,744	226,283	1,523	15,523	360,580	1,834	13,639	534,260	1,658	12,971	Mont.
6,230	154,495	293	6,984	319,221	651	5,722	425,668	920	5,278	Idaho.
2,309	89,051	940	2,540	140,318	2,235	3,412	190,146	1,375	2,881	Wyo.
2,500	529,046	8,570	2,084	783,415	11,453	4,156	924,103	11,318	4,208	Colo.
15,408	180,207	1,610	13,493	304,594	1,628	21,079	334,673	5,733	19,944	N. Mex.
31,152	92,903	1,848	28,180	171,468	2,009	30,877	291,449	8,005	34,708	Ariz.
4,266	272,465	672	3,612	366,583	1,144	5,624	441,901	1,446	6,049	Utah.
7,992	35,405	134	6,796	74,270	513	7,086	70,699	346	6,362	Nev.
119,580	2,293,613	14,664	108,415	4,023,673	29,195	139,236	5,353,634	47,790	165,447	Pac.
14,801	496,304	2,514	19,285	1,109,111	6,058	26,821	1,319,777	6,883	29,961	Wash.
14,536	394,682	1,105	17,849	655,090	1,492	16,183	769,146	2,144	12,099	Oreg.
90,243	1,402,727	11,045	71,281	2,259,672	21,645	96,232	3,264,711	38,763	123,387	Calif.

[8] Dakota Territory; see footnote 5, Table 13.
[4] Area now constituting West Virginia formed part of Virginia in 1860.
[5] Includes population of Indian Territory for 1890 and 1900.

No. 17.—RACE, NATIVITY,

NOTE.—For total white

Division and State	Native white						Foreign-born white
	Native parentage		Foreign parentage		Mixed native and foreign parentage		
	1910	1920	1910	1920	1910	1920	1910
Continental United States.	49,486,575	58,421,957	12,916,311	15,604,539	5,981,526	6,991,065	13,345,545
New England	2,613,419	2,803,149	1,480,565	1,906,340	592,144	735,936	1,614,586
Maine	494,907	495,780	73,455	80,180	61,500	76,416	110,133
New Hampshire	230,231	225,512	67,601	81,039	35,516	44,547	96,558
Vermont	220,382	228,325	39,507	42,100	35,548	36,866	49,861
Massachusetts	1,103,429	1,230,773	840,820	1,093,258	323,027	401,959	1,051,050
Rhode Island	159,821	173,553	144,270	182,660	50,376	64,208	178,025
Connecticut	395,649	449,206	288,912	421,133	85,577	111,880	328,759
Middle Atlantic	8,462,961	9,631,012	4,113,076	5,397,951	1,478,236	1,700,302	4,826,179
New York	3,230,325	3,668,266	2,241,837	2,944,083	705,411	873,566	2,720,272
New Jersey	1,009,909	1,212,675	576,011	829,058	201,786	256,741	958,188
Pennsylvania	4,222,727	4,750,071	1,295,228	1,724,810	511,039	569,995	1,438,719
East North Central	9,751,968	11,790,370	3,450,015	4,043,992	1,668,419	1,881,521	3,067,220
Ohio	3,033,259	3,669,122	671,275	838,251	353,118	385,823	597,245
Indiana	2,130,088	2,329,544	211,008	227,066	139,543	141,593	159,322
Illinois	2,600,555	3,066,503	1,232,155	1,467,036	491,602	558,783	1,202,560
Michigan	1,224,841	1,670,447	611,319	775,288	353,563	429,257	595,524
Wisconsin	763,225	1,054,694	724,258	736,051	320,503	366,065	512,569
West North Central	6,523,667	7,475,548	2,102,703	2,126,126	1,112,000	1,251,752	1,013,231
Minnesota	575,081	827,627	667,460	708,126	273,676	347,019	543,010
Iowa	1,303,526	1,528,553	395,541	376,710	236,040	253,271	273,484
Missouri	2,387,835	2,536,936	312,027	300,064	205,172	202,018	228,896
North Dakota	162,401	207,966	180,054	203,973	71,182	96,512	150,158
South Dakota	245,652	308,598	143,045	141,341	74,446	86,817	100,628
Nebraska	642,075	757,064	234,070	231,948	127,683	140,555	175,865
Kansas	1,207,057	1,308,804	169,906	163,964	122,199	125,560	135,190
South Atlantic	7,341,205	8,779,416	274,451	353,643	165,392	199,961	290,555
Delaware	127,809	139,876	17,566	23,288	8,307	9,641	17,420
Maryland	766,627	893,088	130,321	143,203	61,517	66,269	104,174
Dist. of Columbia	106,711	230,488	25,522	35,129	18,544	23,695	24,351
Virginia	1,325,238	1,534,494	21,613	30,514	16,330	22,116	26,628
West Virginia	1,042,107	1,232,867	35,407	50,625	22,231	25,847	57,072
North Carolina	1,485,718	1,765,203	3,886	5,737	4,965	5,740	5,942
South Carolina	661,970	799,418	5,759	7,025	5,378	5,694	6,054
Georgia	1,391,058	1,642,697	13,232	16,371	12,440	13,860	15,072
Florida	373,967	532,295	20,146	35,751	15,680	27,099	33,842
East South Central	5,452,492	6,092,782	123,915	115,484	91,082	87,342	86,357
Kentucky	1,863,194	2,039,134	76,523	65,931	48,181	44,715	40,053
Tennessee	1,654,606	1,832,757	20,572	20,423	17,795	17,335	18,459
Alabama	1,177,459	1,394,129	17,667	19,591	14,750	15,650	18,956
Mississippi	757,233	826,762	9,153	9,539	10,336	9,642	9,389
West South Central	5,767,449	6,959,785	364,032	415,799	241,251	280,810	348,759
Arkansas	1,077,509	1,226,992	18,387	19,030	18,221	20,060	16,909
Louisiana	776,587	941,724	68,389	67,016	44,328	43,000	51,782
Oklahoma	1,310,403	1,679,107	49,877	53,083	44,167	49,036	40,084
Texas	2,602,950	3,112,262	227,379	276,670	134,535	168,714	239,984
Mountain	1,438,624	2,008,508	370,009	451,132	246,912	306,034	436,910
Montana	102,127	275,803	68,606	101,918	38,203	62,919	91,644
Idaho	203,599	294,252	40,075	47,920	35,120	44,533	40,427
Wyoming	80,696	122,884	19,751	25,234	12,753	16,773	27,118
Colorado	475,136	603,041	114,747	130,059	66,681	74,049	126,851
New Mexico	255,609	273,317	14,410	18,865	11,921	13,414	22,654
Arizona	82,468	151,145	26,117	39,534	16,059	22,671	46,824
Utah	171,663	245,781	73,983	75,901	57,544	63,764	63,393
Nevada	35,326	36,285	12,320	11,701	8,631	7,911	17,999
Pacific	2,106,770	2,887,387	657,545	864,372	396,110	548,007	861,448
Washington	585,386	711,706	174,845	214,618	107,683	143,398	241,197
Oregon	416,851	497,726	79,336	95,827	55,902	73,442	103,001
California	1,106,533	1,677,955	403,364	573,927	232,525	331,167	517,250

Source: Bureau of the Census, Department of Commerce.

AND PARENTAGE, BY STATES

population see Table 16

Foreign-born white—Continued	Negro		Indian		Chinese		Japanese		Division and State
1920	1910	1920	1910	1920	1910	1920	1910	1920	
13,712,754	9,827,763	10,463,131	265,683	244,437	71,531	61,639	72,157	111,010	U.S.
1,870,654	66,306	79,051	2,078	1,715	3,499	3,602	272	347	N. E.
107,349	1,363	1,310	892	839	108	161	13	7	Me.
91,233	564	621	34	28	67	95	1	8	N. H.
44,526	1,621	572	26	24	8	11	3	4	Vt.
1,077,534	38,055	45,466	688	555	2,582	2,544	151	191	Mass.
173,499	9,529	10,036	284	110	272	225	33	35	R. I.
376,513	15,174	21,046	152	159	482	566	71	102	Conn.
4,912,575	417,870	600,183	7,717	5,940	8,189	8,812	1,643	3,268	M. A.
2,786,112	134,191	198,483	6,046	5,503	5,266	5,793	1,247	2,686	N. Y.
738,613	89,760	117,132	108	100	1,139	1,190	206	325	N. J.
1,387,850	193,919	284,568	1,503	337	1,784	1,829	190	255	Pa.
3,223,279	300,836	514,554	18,255	15,695	3,415	5,043	482	927	E. N. C.
678,697	111,452	186,187	127	151	569	941	76	130	Ohio.
150,868	60,320	80,810	279	125	276	283	38	81	Ind.
1,206,951	109,040	182,274	188	194	2,103	2,776	285	472	Ill.
726,635	17,115	60,082	7,519	5,614	241	792	49	184	Mich.
460,128	2,900	5,201	10,142	9,611	226	251	34	60	Wis.
1,371,961	243,662	278,521	41,406	37,263	1,195	1,678	1,000	1,215	W. N. C.
486,164	7,084	8,809	9,053	8,761	275	508	67	85	Minn.
225,647	14,973	19,005	471	529	97	235	36	29	Iowa.
186,026	157,452	178,241	313	171	535	412	99	135	Mo.
131,503	617	407	6,486	6,254	39	124	59	72	N. Dak.
82,391	817	832	19,137	16,384	121	142	42	38	S. Dak.
149,652	7,689	13,242	3,502	2,888	112	189	590	804	Nebr.
110,578	54,030	57,925	2,444	2,276	16	68	107	52	Kans.
315,920	4,112,488	4,326,120	9,054	13,673	1,582	1,924	156	360	S. A.
19,810	31,181	30,335	5	2	30	43	4	8	Del.
102,177	232,250	244,479	55	32	378	371	24	29	Md.
28,548	94,446	109,966	68	37	369	461	47	103	D. C.
30,785	671,096	690,017	539	824	154	278	14	56	Va.
61,906	64,173	86,345	36	7	90	98	3	10	W. Va.
7,099	697,843	763,407	7,851	11,824	80	88	2	24	N. C.
6,401	835,843	864,719	331	304	57	93	8	15	S. C.
16,186	1,176,987	1,206,365	95	125	233	211	4	9	Ga.
43,008	308,669	329,487	74	518	191	181	50	106	Fla.
71,939	2,662,513	2,523,532	2,612	1,623	414	542	26	35	E. S. C.
30,780	261,656	235,938	234	57	52	62	12	9	Ky.
15,478	473,088	451,758	216	56	43	57	8	8	Tenn.
17,662	908,282	900,652	909	405	62	59	4	18	Ala.
8,010	1,009,487	935,184	1,253	1,105	257	364	2	----------	Miss.
459,333	1,984,426	2,063,579	76,767	60,618	1,303	1,534	428	578	W. S. C.
13,975	442,891	472,220	460	106	62	113	9	5	Ark.
44,871	713,874	700,257	780	1,066	507	387	31	57	La.
39,968	137,612	149,408	74,825	57,337	139	261	48	67	Okla.
360,519	690,049	741,694	702	2,109	595	773	340	449	Tex.
453,225	21,467	30,801	75,338	76,899	5,614	4,339	10,447	10,792	Mt.
93,620	1,834	1,658	10,745	10,956	1,285	872	1,585	1,074	Mont.
38,963	651	920	3,488	3,098	859	585	1,363	1,569	Idaho.
25,255	2,235	1,375	1,486	1,343	246	252	1,596	1,194	Wyo.
116,954	11,453	11,318	1,482	1,383	373	291	2,300	2,464	Colo.
29,077	1,628	5,733	20,573	19,512	248	171	258	251	N. Mex.
78,099	2,009	8,005	20,201	32,989	1,305	1,137	371	550	Ariz.
56,455	1,144	1,446	3,123	2,711	371	342	2,110	2,936	Utah.
14,802	513	340	5,240	4,907	927	689	864	754	Nev.
1,033,868	29,195	47,790	32,458	31,011	46,320	34,265	57,703	93,490	Pac.
250,055	6,058	6,883	10,997	9,061	2,709	2,363	12,929	17,387	Wash.
102,151	1,492	2,144	5,090	4,590	7,363	3,090	3,418	4,151	Oreg.
681,662	21,645	38,763	16,371	17,360	36,248	28,812	41,356	71,952	Calif.

No. 18.—SEX DISTRIBUTION, BY RACE

Division and State	Total population						Native white, 1920		
	1910		1920		Males per 100 females				
	Male	Female	Male	Female	1910	1920	Male	Female	Males per 100 females
Continental United States.	47,332,277	44,639,982	53,900,431	51,810,189	106.0	104.0	40,902,333	40,205,825	101.7
New England	3,265,114	3,287,567	3,672,591	3,728,315	99.3	98.5	2,682,176	2,763,250	97.1
Maine	377,052	365,319	388,752	379,262	103.2	102.5	331,648	326,698	101.5
New Hampshire	216,290	214,282	222,112	220,971	100.9	100.5	174,823	176,275	99.2
Vermont	182,568	173,388	178,854	173,574	105.3	103.0	154,793	152,498	101.5
Massachusetts	1,655,248	1,711,168	1,890,014	1,962,342	96.7	96.3	1,330,908	1,394,992	95.4
Rhode Island	270,314	272,296	297,524	306,873	99.3	97.0	205,967	214,514	96.0
Connecticut	563,642	551,114	695,335	685,296	102.3	101.5	483,946	498,273	97.1
Middle Atlantic	9,813,266	9,502,626	11,206,445	11,054,699	103.3	101.4	8,272,922	8,456,343	97.8
New York	4,584,597	4,529,017	5,187,350	5,197,877	101.2	99.8	3,638,435	3,747,480	97.1
New Jersey	1,286,463	1,250,704	1,590,075	1,585,825	102.9	101.5	1,139,491	1,158,983	98.3
Pennsylvania	3,942,206	3,722,905	4,429,020	4,290,997	105.9	103.2	3,494,996	3,549,880	98.5
East North Central	9,392,839	8,857,782	11,035,041	10,440,502	106.0	105.7	8,938,715	8,776,868	101.8
Ohio	2,434,758	2,332,303	2,955,980	2,803,414	104.4	105.4	2,463,320	2,429,876	101.4
Indiana	1,383,295	1,317,581	1,489,074	1,441,316	105.0	103.3	1,368,645	1,339,558	101.4
Illinois	2,911,674	2,726,917	3,304,833	3,180,447	106.8	103.9	2,550,509	2,541,873	100.3
Michigan	1,454,534	1,355,639	1,928,436	1,739,976	107.3	110.8	1,476,459	1,398,583	105.6
Wisconsin	1,208,578	1,125,282	1,356,718	1,275,349	107.4	106.4	1,089,782	1,067,028	102.1
West North Central	6,092,855	5,545,066	6,459,087	6,085,182	109.9	106.1	5,514,722	5,338,704	103.3
Minnesota	1,108,511	967,197	1,245,537	1,141,588	114.6	109.1	957,140	925,632	103.4
Iowa	1,148,171	1,076,600	1,229,392	1,174,629	106.6	104.7	1,091,646	1,066,888	102.3
Missouri	1,687,813	1,605,522	1,723,319	1,680,736	105.1	102.5	1,528,279	1,510,739	101.2
North Dakota	317,554	259,502	341,673	305,199	122.4	112.0	262,645	245,806	106.9
South Dakota	317,112	266,776	337,120	299,427	118.9	112.6	280,587	256,169	109.5
Nebraska	627,782	564,432	672,805	623,567	111.2	107.9	578,953	550,614	105.1
Kansas	885,912	805,037	909,221	860,036	110.0	105.7	815,472	782,850	104.2
South Atlantic	6,134,805	6,060,290	7,035,843	6,954,429	101.2	101.2	4,708,147	4,624,873	101.8
Delaware	106,435	98,887	113,755	109,248	104.6	104.1	86,680	86,125	100.6
Maryland	644,225	651,121	729,455	720,209	98.9	101.3	550,973	551,587	99.9
District of Columbia	158,050	173,019	203,543	234,023	91.3	87.0	136,889	161,423	84.8
Virginia	1,035,348	1,026,264	1,168,492	1,140,695	100.9	102.4	806,082	781,042	103.2
West Virginia	644,044	577,075	763,100	700,601	111.6	108.9	673,959	641,370	105.1
North Carolina	1,098,476	1,107,811	1,279,062	1,280,061	99.2	99.9	894,690	881,990	101.4
South Carolina	751,842	765,558	838,293	845,431	98.5	99.2	411,728	400,409	102.8
Georgia	1,305,019	1,304,102	1,444,823	1,451,009	100.1	99.6	844,105	828,823	101.8
Florida	394,166	355,453	495,320	473,150	110.9	104.7	303,041	292,104	103.7
East South Central	4,245,189	4,164,732	4,471,690	4,421,617	101.9	101.1	3,184,419	3,111,189	102.4
Kentucky	1,161,709	1,128,196	1,227,494	1,189,136	103.0	103.2	1,091,374	1,059,406	103.1
Tennessee	1,103,491	1,061,298	1,173,987	1,103,918	102.1	100.9	942,203	928,312	101.5
Alabama	1,074,209	1,063,884	1,178,105	1,176,069	101.0	99.8	722,414	706,950	102.2
Mississippi	905,760	891,354	897,124	893,494	101.6	100.4	428,428	417,515	102.6
West South Central	4,544,505	4,240,029	5,265,829	4,976,395	107.2	105.8	3,943,100	3,713,294	106.2
Arkansas	810,020	764,423	895,228	856,976	106.0	104.5	649,578	616,204	105.4
Louisiana	835,275	821,113	903,335	895,174	101.7	100.9	530,690	521,050	101.9
Oklahoma	881,578	775,577	1,068,044	970,239	113.7	109.0	927,760	853,406	108.7
Texas	2,017,626	1,878,916	2,409,222	2,254,006	107.4	106.9	1,835,072	1,722,574	106.5
Mountain	1,475,018	1,155,499	1,789,299	1,646,502	127.9	115.7	1,446,336	1,313,338	110.1
Montana	226,872	149,181	299,941	248,948	152.1	120.5	233,303	207,277	112.6
Idaho	185,546	140,048	233,919	197,947	132.5	118.2	205,259	181,446	113.1
Wyoming	91,670	54,205	110,359	84,043	168.3	131.3	90,567	74,324	121.9
Colorado	430,697	368,327	492,731	446,898	116.9	110.3	416,026	391,123	106.4
New Mexico	175,245	152,056	190,456	160,894	115.3	112.1	158,505	147,091	107.8
Arizona	118,574	85,780	183,602	150,560	138.2	121.9	114,688	98,602	116.2
Utah	196,863	176,488	232,051	217,345	111.5	106.8	196,357	189,089	103.8
Nevada	52,551	29,324	46,240	31,167	179.2	148.4	31,571	24,326	129.8
Pacific	2,385,906	1,826,388	2,964,626	2,602,245	129.5	113.9	2,211,797	2,107,969	104.9
Washington	658,663	483,327	734,701	621,920	136.3	118.1	558,575	511,147	109.3
Oregon	384,266	288,500	416,334	367,055	133.2	113.4	344,849	322,146	107.0
California	1,322,978	1,054,571	1,813,591	1,613,270	125.5	112.4	1,308,373	1,274,676	102.6

Source: Bureau of the Census, Department of Commerce.

AND NATIVITY, BY STATES

Foreign-born white, 1920			Negro, 1920			Indian, 1920		Chinese, 1920		Japanese, 1920		Division and State
Male	Female	Males per 100 females	Male	Female	Males per 100 females	Male	Female	Male	Female	Male	Female	
7,528,322	6,184,432	121.7	5,209,436	5,253,695	99.2	125,068	119,369	53,691	7,743	72,707	38,303	U. S.
945,736	924,918	102.3	40,155	38,896	103.2	848	887	3,301	301	284	63	N. E.
56,807	51,542	108.3	716	594	120.5	420	419	153	8	7	-------	Me.
46,844	44,389	105.5	333	288	115.6	13	15	93	2	6	2	N. H.
23,711	20,815	113.9	320	252	127.0	15	9	11	-------	4	-------	Vt.
533,319	544,215	98.0	22,912	22,554	101.6	262	293	2,307	237	149	42	Mass.
86,164	87,335	98.7	5,096	4,940	103.2	59	51	201	24	31	4	R. I.
199,891	176,622	113.2	10,778	10,268	105.0	79	80	536	30	87	15	Conn.
2,617,566	2,295,009	114.1	301,147	299,036	100.7	3,068	2,872	8,067	745	2,647	619	M. A.
1,442,575	1,343,537	107.4	95,418	103,065	92.6	2,816	2,687	5,240	553	2,190	496	N. Y.
391,655	346,958	112.9	57,432	59,700	96.2	56	44	1,132	58	247	78	N. J.
783,336	604,514	129.6	148,297	136,271	108.8	196	141	1,695	134	210	45	Pa.
1,509,334	1,418,945	128.0	273,026	241,528	113.0	8,166	7,529	4,623	420	750	177	E. N. C.
391,344	287,353	136.2	100,160	86,027	116.4	94	57	876	65	104	20	Ohio.
88,180	62,688	140.7	41,817	38,993	107.2	73	52	276	7	66	15	Ind.
657,264	549,687	119.6	93,835	88,439	106.1	108	86	2,523	253	374	98	Ill.
413,806	312,829	132.3	34,249	25,833	132.6	2,941	2,673	717	75	162	22	Mich.
258,740	201,388	128.5	2,965	2,230	132.9	4,950	4,661	231	20	44	16	Wis.
779,022	592,930	131.4	143,762	134,759	106.7	15,926	15,337	1,525	153	946	289	W. N. C.
278,588	*207,576*	*134.2*	*4,851*	*3,958*	*122.6*	*4,424*	*4,337*	*448*	*60*	*66*	*19*	*Minn.*
127,065	98,582	128.9	10,121	8,884	113.9	280	249	218	17	23	6	Iowa.
103,418	82,608	125.2	90,991	87,250	104.3	87	84	383	29	115	20	Mo.
75,386	56,117	134.3	276	191	144.5	3,183	3,071	119	5	63	9	N. Dak.
47,610	34,781	136.9	475	357	133.1	8,295	8,089	124	18	26	12	S. Dak.
84,277	65,375	128.9	7,309	5,933	123.2	1,459	1,429	169	20	611	193	Nebr.
62,678	47,900	130.9	29,739	28,186	105.5	1,198	1,078	64	4	42	10	Kans.
185,143	130,777	141.6	2,133,377	2,191,743	97.3	6,923	6,750	1,638	186	285	75	S. A.
11,369	8,441	134.7	15,665	14,680	106.6	2	-------	41	2	8	-------	Del.
54,628	47,549	114.9	123,463	121,026	102.0	18	14	350	21	22	7	Md.
15,142	13,406	112.9	50,855	59,111	86.0	20	17	417	44	90	13	D. C.
19,051	11,734	162.4	342,536	347,481	98.6	423	401	254	24	45	11	Va.
41,910	19,996	209.6	47,129	39,216	120.2	4	3	85	13	9	1	W. Va.
4,341	2,758	157.4	373,965	389,442	96.0	5,972	5,852	75	13	18	6	N. C.
4,095	2,306	177.6	422,185	442,534	95.4	145	159	76	17	11	4	S. C.
10,004	6,182	161.8	590,443	615,922	95.9	68	57	187	24	9	-------	Ga.
24,603	18,405	133.7	107,156	102,331	103.0	271	247	153	28	73	33	Fla.
42,093	29,846	141.0	1,243,795	1,279,737	97.2	854	769	475	67	27	8	E. S. C.
17,479	13,301	131.4	118,548	117,390	101.0	27	30	56	6	7	2	Ky.
9,021	6,457	139.7	222,639	220,119	97.2	33	23	51	6	7	1	Tenn.
10,625	7,037	151.0	439,779	460,873	95.4	211	194	55	4	13	5	Ala.
4,968	3,051	162.8	462,829	472,355	98.0	583	522	313	51	-------	-------	Miss.
260,777	198,556	131.3	1,029,457	1,034,122	99.5	30,542	30,076	1,402	132	405	173	W. S. C.
8,591	5,384	159.6	236,895	235,325	100.7	61	45	97	16	3	2	Ark.
26,808	18,063	148.4	344,794	355,463	97.0	550	516	346	41	48	9	La.
24,931	15,037	165.8	76,294	73,114	104.3	28,750	28,587	243	18	54	13	Okla.
200,447	160,072	125.2	371,474	370,220	100.3	1,181	928	716	57	300	149	Tex.
271,373	181,852	149.2	19,726	11,075	178.1	39,803	37,096	3,913	426	7,325	2,967	Mt.
58,229	35,391	164.5	962	696	138.2	5,679	5,277	805	67	842	232	Mont.
24,877	14,086	176.6	585	335	174.6	1,577	1,521	542	43	1,058	511	Idaho.
16,934	8,321	203.5	863	512	168.6	715	628	246	6	952	242	Wyo.
68,219	48,735	140.0	*5,834*	*5,484*	*106.4*	*734*	*649*	*252*	*39*	*1,601*	*863*	*Colo.*
16,845	12,232	137.7	4,593	1,140	402.9	10,149	9,363	161	10	200	51	N. Mex.
44,657	33,442	133.5	5,859	2,146	273.0	17,028	15,961	963	174	383	167	Ariz.
30,875	25,580	120.7	834	612	136.3	1,442	1,269	314	28	2,174	762	Utah.
10,737	4,065	264.1	196	150	130.7	2,479	2,428	630	59	615	139	Nev.
617,278	416,590	148.2	24,991	22,799	109.6	15,938	15,073	25,947	5,318	59,538	33,952	Pac.
153,118	96,937	158.0	3,967	2,926	135.2	4,552	4,509	2,088	275	11,322	6,065	Wash.
62,310	39,841	156.4	1,197	947	126.4	2,301	2,289	2,629	461	2,802	1,349	Oreg.
401,350	279,812	143.6	19,837	18,926	104.8	9,085	8,275	24,230	4,582	45,414	26,538	Calif.

No. 19.—AGE DISTRIBUTION: PERCENTAGES, BY STATES

NOTE.—Per cent which persons of each age group form of total. Per cents based on total, including the small number of persons of unknown age, for whom percentages are not shown

Division and State	Per cent in age group—											
	Under 5 years		5 to 9 years		10 to 14 years		15 to 19 years		20 to 44 years		45 years and over	
	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920
Continental United States	11.6	10.9	10.6	10.8	9.9	10.1	9.9	8.9	39.0	38.4	18.9	20.6
New England	9.8	10.2	8.9	9.5	8.5	8.8	8.9	8.0	40.8	38.9	23.0	24.6
Maine	9.7	9.8	9.0	9.3	8.7	9.1	8.8	8.3	36.5	35.3	27.2	28.1
New Hampshire	9.2	9.3	8.6	9.0	8.4	8.8	8.8	7.9	37.7	36.2	27.1	28.6
Vermont	9.6	9.8	9.2	9.5	8.8	9.2	8.8	8.4	36.5	34.4	27.0	28.5
Massachusetts	9.8	10.0	8.8	9.3	8.5	8.7	8.8	7.8	42.2	39.9	21.9	24.1
Rhode Island	10.0	10.3	8.9	9.6	8.7	8.9	9.6	8.5	41.9	39.2	20.8	23.3
Connecticut	10.1	11.1	9.1	10.1	8.5	8.8	9.1	7.7	41.4	39.9	21.7	22.2
Middle Atlantic	10.8	10.6	9.4	10.1	8.9	9.2	9.3	8.3	41.3	40.2	19.8	21.7
New York	9.9	9.7	8.8	9.4	8.6	8.7	9.2	7.9	42.8	41.7	20.5	22.6
New Jersey	10.5	10.7	9.5	10.2	9.0	9.2	9.3	8.1	42.0	40.6	19.5	21.1
Pennsylvania	11.5	11.5	10.1	10.8	9.3	9.8	9.4	8.5	40.5	38.3	19.1	20.9
East North Central	10.5	10.3	9.7	9.9	9.4	9.1	9.6	8.3	39.5	39.6	21.2	23.5
Ohio	10.1	10.2	9.2	9.5	8.9	8.8	9.4	8.1	40.0	40.1	22.3	23.2
Indiana	10.2	9.9	9.8	9.7	9.5	9.4	9.6	8.7	38.3	37.4	22.5	24.8
Illinois	10.6	10.1	9.7	9.9	9.2	9.2	9.7	8.3	41.3	40.7	19.3	21.6
Michigan	10.6	11.0	9.8	10.0	9.2	8.9	9.5	8.1	38.3	40.2	22.4	21.7
Wisconsin	11.0	10.8	10.6	10.5	10.5	9.9	10.4	9.0	36.8	37.5	20.5	22.1
West North Central	11.3	10.7	10.6	10.5	10.1	10.0	10.2	9.1	38.4	37.9	19.3	21.7
Minnesota	10.9	11.0	10.6	10.4	10.3	9.8	10.4	9.2	39.0	38.8	18.5	20.8
Iowa	10.6	10.4	10.3	10.0	10.0	9.5	10.1	8.9	37.4	37.6	21.5	23.4
Missouri	10.9	9.6	10.3	9.9	9.8	9.8	10.1	9.0	38.9	38.3	19.7	23.2
North Dakota	14.3	14.1	12.1	13.3	10.3	11.6	9.8	9.5	39.6	35.6	13.6	15.9
South Dakota	12.6	12.5	11.5	11.7	10.3	10.4	10.0	9.3	38.9	37.7	16.5	18.0
Nebraska	11.8	11.0	10.7	10.8	10.2	10.2	10.4	9.2	38.0	38.1	18.7	20.4
Kansas	11.3	10.6	10.5	10.5	10.0	10.1	10.1	9.2	37.6	37.0	20.3	22.4
South Atlantic	13.6	12.4	12.5	12.5	11.4	11.7	10.6	10.1	35.6	35.7	16.2	17.6
Delaware	9.9	10.3	9.5	9.5	9.5	9.1	9.6	8.3	38.9	38.9	22.4	23.7
Maryland	10.6	10.1	10.3	9.9	10.0	9.6	9.9	9.0	38.6	38.9	20.5	22.3
District of Columbia	8.1	7.0	7.6	6.8	7.4	6.8	8.5	7.7	46.5	48.5	21.5	22.3
Virginia	13.0	12.6	12.4	12.3	11.5	11.5	10.5	10.1	35.0	35.4	17.3	18.5
West Virginia	13.8	13.4	12.1	12.6	10.7	11.2	10.2	9.7	37.4	35.9	15.5	17.1
North Carolina	15.1	14.0	13.4	13.9	12.1	12.5	11.0	10.5	32.6	33.0	15.7	16.0
South Carolina	15.1	13.6	13.8	14.0	12.7	13.2	11.4	10.9	33.4	33.8	13.5	14.4
Georgia	14.4	12.5	13.3	13.2	12.1	12.6	10.7	10.6	34.7	34.9	14.6	16.0
Florida	12.9	10.9	12.1	11.5	10.7	11.0	10.1	9.5	39.0	37.5	14.8	19.4
East South Central	13.3	12.2	12.7	12.7	11.5	12.2	10.3	10.2	35.1	34.6	15.9	17.9
Kentucky	12.9	12.1	11.9	11.9	11.0	11.2	10.6	9.8	35.7	35.0	17.8	19.9
Tennessee	13.5	12.0	12.3	12.2	11.1	11.8	10.9	10.2	35.2	35.0	16.8	18.6
Alabama	14.0	12.8	13.3	13.0	11.8	12.8	10.7	10.4	34.4	34.0	14.9	16.4
Mississippi	14.4	12.1	13.6	13.2	12.2	13.2	10.9	10.7	34.8	34.3	13.7	16.3
West South Central	14.1	11.9	13.1	12.6	11.6	12.0	10.6	10.4	35.8	36.6	14.4	16.3
Arkansas	14.7	12.3	13.3	13.0	11.4	12.6	11.0	10.5	34.7	34.4	14.7	16.8
Louisiana	13.5	11.6	13.2	12.4	11.7	12.2	10.6	10.5	36.5	37.0	14.2	16.1
Oklahoma	14.6	12.5	13.1	12.9	11.2	12.2	10.5	10.3	36.2	35.8	14.1	16.2
Texas	13.8	11.4	13.1	12.3	11.7	11.7	10.9	10.5	35.9	37.7	14.5	16.2
Mountain	11.6	11.9	10.4	11.2	9.1	10.1	8.9	8.5	42.7	39.1	17.0	18.8
Montana	10.2	12.3	9.1	10.9	7.9	9.4	7.9	7.7	47.9	41.0	16.2	18.4
Idaho	12.4	12.6	11.1	11.9	9.8	10.8	9.3	8.9	40.8	37.4	16.2	18.3
Wyoming	10.5	11.6	8.9	10.7	7.4	9.0	7.9	7.6	51.1	44.4	14.0	16.2
Colorado	10.3	10.3	9.5	10.1	8.7	9.5	8.9	8.4	43.0	39.0	19.3	21.9
New Mexico	13.8	12.9	12.5	12.9	10.5	11.4	9.9	9.6	37.0	36.0	16.1	17.1
Arizona	12.1	12.2	10.7	11.3	8.9	9.8	8.5	8.5	43.8	41.6	15.7	16.2
Utah	14.1	13.7	12.3	12.6	10.7	11.5	10.0	9.7	37.4	35.8	15.1	16.7
Nevada	7.8	8.7	6.9	8.7	6.0	7.4	6.4	6.4	51.0	44.6	21.2	23.7
Pacific	8.6	8.5	7.9	8.7	7.7	8.0	8.5	7.4	45.3	42.0	21.5	25.1
Washington	9.5	9.3	8.7	9.5	8.1	8.7	8.7	7.8	45.8	41.6	18.5	22.8
Oregon	8.9	9.1	8.5	9.3	8.3	8.8	9.0	8.0	44.1	40.2	20.9	24.4
California	8.1	8.0	7.4	8.2	7.3	7.6	8.2	7.1	45.5	42.6	23.1	26.2

Source: Bureau of the Census, Department of Commerce.

No. 20.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

Division and State	Per cent of total population						Per cent of white population						
	White			Negro			Native, 1920				Foreign born		
	1900	1910	1920	1900	1910	1920	Total	Native parentage	Foreign parentage	Mixed parentage	1900	1910	1920
Continental United States	87.9	88.9	89.7	11.6	10.7	9.9	85.5	61.6	16.6	7.4	15.3	16.3	14.5
New England	98.8	98.9	98.9	1.1	1.0	1.1	74.4	38.3	26.1	10.1	26.0	28.0	25.6
Maine	99.7	99.7	99.7	0.2	0.2	0.2	86.0	64.7	11.3	10.0	13.4	14.9	14.0
New Hampshire	99.8	99.8	99.8	0.2	0.1	0.1	79.4	51.0	18.3	10.1	21.4	22.5	20.6
Vermont	99.7	99.5	99.8	0.2	0.5	0.2	87.3	64.9	12.0	10.5	13.0	14.1	12.7
Massachusetts	98.7	98.8	98.7	1.1	1.1	1.2	71.7	32.4	28.7	10.6	30.3	31.6	28.3
Rhode Island	97.8	98.1	98.3	2.1	1.8	1.7	70.8	29.2	30.8	10.8	31.9	33.4	29.2
Connecticut	98.2	98.6	98.4	1.7	1.4	1.5	72.3	33.1	31.0	8.2	26.6	29.9	27.7
Middle Atlantic	97.8	97.7	97.2	2.1	2.2	2.7	77.3	44.5	24.9	7.9	21.9	25.6	22.7
New York	98.4	98.4	97.9	1.4	1.5	1.9	72.6	36.1	28.0	8.6	26.4	30.4	27.4
New Jersey	96.2	96.4	96.2	3.7	3.5	3.7	75.7	39.9	27.3	8.5	23.7	26.9	24.3
Pennsylvania	97.5	97.4	96.7	2.5	2.5	3.3	83.5	56.3	20.5	6.8	16.0	19.3	16.5
East North Central	98.3	98.2	97.5	1.6	1.6	2.4	84.6	58.3	19.3	9.0	16.7	17.1	15.4
Ohio	97.7	97.6	96.7	2.3	2.3	3.2	87.8	65.9	15.0	6.9	11.3	12.8	12.2
Indiana	97.7	97.7	97.2	2.3	2.2	2.8	94.7	81.8	8.0	5.0	5.8	6.0	5.3
Illinois	98.2	98.0	97.1	1.8	1.9	2.8	80.3	48.7	23.3	8.9	20.4	21.8	19.2
Michigan	99.1	99.1	98.2	0.7	0.6	1.6	70.8	40.4	21.5	11.9	22.5	21.4	20.2
Wisconsin	99.5	99.4	99.4	0.1	0.1	0.2	82.4	40.3	28.1	14.0	25.1	22.1	17.6
West North Central	97.3	97.5	97.5	2.3	2.1	2.2	88.3	61.1	17.4	10.2	15.2	14.2	11.2
Minnesota	99.2	99.2	99.2	0.3	0.3	0.4	79.5	34.9	29.9	14.6	29.1	26.4	20.5
Iowa	99.4	99.3	99.2	0.6	0.7	0.8	90.5	64.1	15.8	10.6	13.8	12.4	9.5
Missouri	94.8	95.2	94.7	5.2	4.8	5.2	94.2	78.7	9.3	6.3	7.3	7.3	5.8
North Dakota	97.7	98.8	98.9	0.1	0.1	0.1	79.5	32.5	31.9	15.1	36.1	27.4	20.5
South Dakota	94.8	96.6	97.3	0.1	0.1	0.1	86.7	49.8	22.8	14.0	23.2	17.8	13.3
Nebraska	99.1	99.0	98.7	0.6	0.6	1.0	88.3	59.2	18.1	11.0	16.8	14.9	11.7
Kansas	96.3	96.7	96.6	3.5	3.2	3.3	93.5	76.6	9.6	7.3	8.9	8.3	6.5
South Atlantic	64.2	66.2	69.0	35.7	33.7	30.9	96.7	91.0	3.7	2.1	3.1	3.6	3.3
Delaware	83.4	84.6	86.4	16.6	15.4	13.6	89.7	72.6	12.1	5.0	8.9	10.2	10.3
Maryland	80.2	82.0	83.1	19.8	17.9	16.9	91.5	74.1	11.9	5.5	9.8	9.8	8.5
Dist. of Columbia	68.7	71.3	74.7	31.1	28.5	25.1	91.3	73.3	10.7	7.2	10.2	10.3	8.7
Virginia	64.3	67.4	70.1	35.6	32.6	29.9	98.1	94.8	1.9	1.4	1.6	1.9	1.9
West Virginia	95.5	94.7	94.1	4.5	5.3	5.9	95.5	89.5	4.1	1.9	2.4	4.9	4.5
North Carolina	66.7	68.0	69.7	33.0	31.6	29.8	99.6	99.0	0.3	0.3	0.3	0.4	0.4
South Carolina	41.6	44.8	48.6	58.4	55.2	51.4	99.2	97.7	0.9	0.7	1.0	0.9	0.8
Georgia	53.3	54.9	58.3	46.7	45.1	41.7	99.0	97.3	1.0	0.8	1.0	1.1	1.0
Florida	56.3	58.9	65.9	43.7	41.0	34.0	93.3	83.4	5.6	4.2	6.5	7.6	6.7
East South Central	66.8	68.4	71.6	33.1	31.5	28.4	98.9	95.7	1.8	1.4	1.8	1.5	1.1
Kentucky	86.7	88.0	90.2	13.3	11.4	9.8	98.6	93.5	3.0	2.1	2.7	2.0	1.4
Tennessee	76.2	78.3	80.7	23.8	21.7	19.3	99.2	97.2	1.1	0.9	1.1	1.1	0.8
Alabama	54.7	57.5	61.6	45.2	42.5	38.4	98.8	96.3	1.4	1.1	1.4	1.5	1.2
Mississippi	41.3	43.7	47.7	58.5	56.2	52.2	99.1	96.8	1.1	1.1	1.2	1.2	0.9
West South Central	73.0	76.5	79.2	25.9	22.6	20.1	94.3	85.8	5.1	3.5	5.5	5.2	5.7
Arkansas	72.0	71.8	73.0	28.0	28.1	27.0	98.9	95.9	1.5	1.6	1.5	1.5	1.1
Louisiana	52.8	56.8	61.0	47.1	43.1	38.9	96.9	85.9	6.1	3.9	7.1	5.5	4.1
Oklahoma[1]	84.8	87.2	89.8	7.0	8.3	7.4	97.8	92.2	2.9	2.7	3.0	2.8	2.2
Texas	79.6	82.2	84.0	20.4	17.7	15.9	90.8	79.4	7.1	4.3	7.3	7.5	9.2
Mountain	94.3	95.7	96.3	0.9	0.8	0.9	85.9	62.3	14.0	9.5	18.3	17.3	14.1
Montana	93.0	95.9	97.3	0.6	0.5	0.3	82.5	51.6	19.1	11.8	27.6	25.4	17.5
Idaho	95.5	98.0	98.6	0.2	0.2	0.2	90.8	69.1	11.3	10.5	14.2	12.7	9.2
Wyoming	96.2	96.1	97.8	1.0	1.5	0.7	86.7	64.6	13.3	8.8	18.6	19.3	13.3
Colorado	98.0	98.0	98.3	1.6	1.4	1.2	87.3	65.3	14.1	8.0	17.1	16.2	12.7
New Mexico	92.3	93.1	92.9	0.8	0.5	1.6	91.3	81.7	5.6	4.0	7.4	7.4	8.7
Arizona	75.6	83.9	87.2	1.5	1.0	2.4	73.2	51.9	13.6	7.8	24.1	27.3	26.8
Utah	98.5	98.2	98.3	0.2	0.3	0.3	87.2	55.6	17.2	14.4	19.4	17.3	12.8
Nevada	83.6	90.7	91.3	0.3	0.6	0.4	79.1	51.3	16.6	11.2	24.2	24.2	20.9
Pacific	94.9	96.0	96.3	0.6	0.7	0.9	80.7	53.9	16.5	10.2	20.6	21.4	19.3
Washington	95.8	97.1	97.3	0.5	0.5	0.5	81.1	53.9	16.3	10.9	20.6	21.7	18.9
Oregon	95.4	97.4	98.2	0.3	0.2	0.3	86.7	64.7	12.5	9.5	13.7	15.7	13.3
California	94.5	95.0	95.3	0.7	0.9	1.1	79.1	51.4	17.6	10.1	22.6	22.9	20.9

[1] Includes population of Indian Territory for 1900.

Source: Bureau of the Census, Department of Commerce.

No. 21.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

Division and State	Persons 21 years of age and over						
	All classes			Native white			
	Total	Male	Female	Total		Native parentage	
				Male	Female	Male	Female
Continental United States.	60, 836, 520	31, 403, 370	29, 433, 150	21, 513, 948	21, 100, 793	15, 805, 063	15,202,194
New England	4, 591, 477	2, 269, 655	2, 321, 822	1, 372, 641	1, 456, 696	841, 957	873, 707
Maine	475, 191	241, 778	233, 413	191, 540	187, 816	156, 580	153, 041
New Hampshire	281, 026	141, 204	139, 822	98, 448	100, 033	73, 113	73, 232
Vermont	217, 042	110, 378	106, 664	80, 697	88, 745	68, 251	66, 884
Massachusetts	2, 411, 507	1, 172, 359	1, 239, 148	663, 262	726, 179	360, 244	389, 517
Rhode Island	368, 637	179, 720	188, 917	97, 955	106, 961	49, 559	52, 202
Connecticut	838, 074	424, 216	413, 858	231, 739	246, 962	134, 210	138, 831
Middle Atlantic	13, 451, 656	6, 802, 663	6, 648, 993	4, 173, 521	4, 376, 445	2, 701, 397	2, 771, 534
New York	6, 514, 681	3, 255, 503	3, 259, 178	1, 858, 523	1, 974, 329	1, 055, 138	1, 080, 508
New Jersey	1, 897, 884	960, 837	937, 047	561, 055	584, 451	344, 605	350, 444
Pennsylvania	5, 039, 091	2, 586, 323	2, 452, 768	1, 753, 943	1, 817, 665	1, 301, 654	1, 334, 582
East North Central	13, 025, 595	6, 777, 790	6, 247, 805	4, 884, 986	4, 791, 930	3, 247, 231	3, 109, 308
Ohio	3, 558, 481	1, 847, 319	1, 711, 162	1, 411, 920	1, 395, 954	1, 068, 943	1, 031, 366
Indiana	1, 779, 820	909, 203	870, 617	797, 256	787, 820	674, 607	661, 368
Illinois	3, 944, 197	2, 028, 852	1, 915, 345	1, 344, 319	1, 350, 358	822, 102	797, 375
Michigan	2, 215, 436	1, 192, 158	1, 023, 278	781, 937	722, 970	407, 192	416, 493
Wisconsin	1, 527, 661	800, 258	727, 403	549, 554	534, 828	214, 387	202, 706
West North Central	7, 278, 548	3, 806, 137	3, 472, 411	2, 955, 983	2, 821, 942	1, 935, 503	1, 823, 521
Minnesota	1, 380, 834	738, 332	642, 502	465, 001	441, 609	174, 581	157, 617
Iowa	1, 428, 682	737, 829	690, 853	609, 085	591, 995	397, 210	381, 037
Missouri	2, 038, 814	1, 038, 472	1, 000, 342	877, 138	866, 175	609, 238	677, 197
North Dakota	322, 918	178, 148	144, 770	100, 124	92, 221	42, 011	35, 090
South Dakota	344, 846	188, 882	155, 964	138, 766	118, 229	72, 230	59, 982
Nebraska	738, 310	390, 287	348, 023	303, 680	282, 073	191, 206	174, 983
Kansas	1, 024, 144	534, 187	489, 957	456, 189	428, 840	350, 087	337, 615
South Atlantic	7, 212, 523	3, 646, 704	3, 565, 819	2, 420, 351	2, 385, 209	2, 269, 647	2, 226, 893
Delaware	136, 521	70, 580	65, 941	50, 261	49, 353	42, 726	41, 742
Maryland	862, 391	433, 857	428, 534	310, 049	316, 339	251, 197	252, 535
District of Columbia	305, 255	139, 800	165, 455	91, 359	113, 445	73, 134	90, 647
Virginia	1, 207, 074	613, 653	593, 421	419, 652	407, 620	404, 290	394, 295
West Virginia	752, 344	403, 572	348, 772	335, 192	310, 449	317, 118	292, 693
North Carolina	1, 210, 727	603, 683	607, 044	429, 840	426, 727	426, 660	423, 513
South Carolina	779, 991	389, 199	390, 792	201, 683	195, 172	197, 542	191, 279
Georgia	1, 421, 609	711, 769	709, 846	419, 440	411, 733	409, 711	402, 543
Florida	536, 614	280, 600	256, 014	162, 875	153, 871	147, 269	137, 645
East South Central	4, 523, 944	2, 282, 653	2, 241, 291	1, 606, 459	1, 564, 958	1, 536, 640	1, 488, 142
Kentucky	1, 289, 406	657, 883	631, 013	567, 894	548, 143	520, 442	500, 910
Tennessee	1, 214, 947	609, 547	605, 400	480, 087	475, 038	407, 349	401, 749
Alabama	1, 143, 395	573, 892	569, 503	348, 008	337, 918	338, 268	327, 815
Mississippi	876, 196	441, 331	434, 775	210, 470	203, 859	204, 581	197, 668
West South Central	5, 243, 779	2, 756, 430	2, 487, 349	1, 994, 472	1, 802, 351	1, 802, 048	1, 621, 833
Arkansas	867, 292	452, 177	415, 115	310, 949	291, 788	306, 174	280, 307
Louisiana	924, 184	469, 669	454, 515	265, 526	257, 203	233, 307	220, 012
Oklahoma	1, 021, 588	550, 172	471, 416	474, 735	410, 010	440, 096	380, 973
Texas	2, 430, 715	1, 284, 412	1, 146, 303	934, 262	843, 290	822, 471	740, 541
Mountain	1, 888, 921	1, 057, 368	831, 553	770, 089	651, 790	553, 726	456, 346
Montana	320, 562	184, 699	135, 863	125, 276	101, 079	79, 834	61, 595
Idaho	234, 076	132, 959	101, 117	106, 390	86, 928	76, 381	61, 768
Wyoming	116, 739	69, 857	46, 882	51, 871	37, 754	33, 944	27, 399
Colorado	564, 529	303, 782	260, 747	235, 039	213, 142	180, 292	158, 047
New Mexico	185, 186	102, 522	82, 664	80, 082	69, 142	72, 260	62, 363
Arizona	187, 929	109, 361	78, 568	61, 327	47, 329	47, 402	35, 439
Utah	228, 682	120, 875	107, 807	88, 596	82, 779	45, 436	41, 397
Nevada	52, 218	33, 313	18, 905	20, 388	13, 637	13, 177	8, 338
Pacific	3, 670, 077	2, 003, 970	1, 666, 107	1, 335, 516	1, 249, 472	916, 354	830, 910
Washington	857, 079	482, 137	374, 942	322, 456	279, 032	220, 779	185, 765
Oregon	494, 968	270, 953	224, 015	205, 722	185, 001	153, 332	135, 123
California	2, 318, 030	1, 250, 880	1, 067, 150	807, 338	784, 839	542, 743	510, 022

Source: Bureau of the Census, Department of Commerce.

SEX, AND MALES 18 TO 44 YEARS OF AGE: By States, 1920

Persons 21 years of age and over—Continued								Males 18 to 44 years of age	Division and State
Native white—Con.		Foreign-born white		Negro		All other			
Foreign or mixed parentage		Male	Female	Male	Female	Male	Female		
Male	Female								
5,708,885	5,898,599	6,928,452	5,570,268	2,792,006	2,730,469	168,964	81,620	22,401,211	U.S.
530,684	582,989	866,042	839,249	27,128	25,187	3,844	690	1,536,294	N.E.
34,960	34,775	49,355	44,974	492	384	391	239	148,430	Me.
25,335	26,801	42,432	39,617	229	159	95	13	86,923	N.H.
21,446	21,861	20,462	17,770	198	144	21	5	66,736	Vt.
303,018	336,662	491,107	497,806	15,550	14,862	2,440	301	807,838	Mass.
48,396	54,759	78,118	78,748	3,396	3,158	251	50	126,465	R.I.
97,529	108,131	184,568	160,334	7,263	6,480	646	82	299,902	Conn.
1,472,124	1,604,911	2,406,975	2,070,777	209,907	199,534	12,260	2,237	4,863,930	M.A.
803,385	887,821	1,318,883	1,209,614	69,259	73,285	8,838	1,950	2,313,807	N.Y.
216,450	234,007	360,902	314,320	37,511	38,160	1,369	116	697,019	N.J.
452,289	483,083	727,190	546,843	103,137	88,089	2,053	171	1,853,104	Pa.
1,637,755	1,682,622	1,687,728	1,290,847	195,381	160,960	9,695	4,068	4,760,165	E.N.C.
342,977	364,588	363,504	259,019	70,853	56,087	1,042	102	1,296,399	Ohio.
122,649	126,452	82,908	57,465	28,651	25,284	388	48	602,798	Ind.
522,217	552,983	613,797	504,131	67,846	60,604	2,890	252	1,449,872	Ill.
314,745	306,477	381,808	281,352	25,887	17,520	2,526	1,436	854,578	Mich.
335,167	332,122	245,711	188,880	2,144	1,465	2,849	2,230	556,518	Wis.
1,020,370	998,421	738,673	553,121	99,691	88,174	11,840	9,174	2,651,768	W.N.C.
290,420	284,192	266,856	195,726	3,838	2,828	2,637	2,139	526,532	Minn.
211,875	210,958	121,392	93,087	6,039	5,629	413	142	501,040	Iowa.
177,900	168,978	97,345	76,206	63,452	57,876	537	85	706,038	Mo.
64,113	57,131	70,043	51,004	207	129	1,774	1,416	133,575	N.Dak.
66,536	58,847	45,340	32,687	315	205	4,461	4,243	140,030	S.Dak.
112,474	107,090	79,821	61,078	5,378	4,059	1,408	813	270,150	Nebr.
97,052	91,225	57,876	43,333	19,562	17,448	610	336	365,403	Kans.
150,704	158,316	170,407	116,808	1,051,012	1,060,940	4,934	2,862	2,724,149	S.A.
7,535	8,111	10,614	7,631	9,657	8,456	48	1	48,236	Del.
58,852	63,804	50,363	43,261	73,086	68,905	359	29	309,676	Md.
18,225	22,798	14,042	12,334	33,822	39,626	577	50	102,670	D.C.
15,362	13,324	17,431	10,420	176,036	175,195	534	186	454,990	Va.
18,074	17,756	38,471	16,994	29,826	21,319	83	10	305,695	W.Va.
3,180	3,214	4,035	2,453	167,240	175,516	2,568	2,348	456,568	N.C.
4,141	3,803	3,850	2,091	183,474	193,456	192	73	306,292	S.C.
9,729	9,190	9,319	5,536	282,779	292,551	222	26	542,136	Ga.
15,606	16,226	22,282	16,088	95,092	85,916	351	139	197,886	Fla.
69,319	76,316	39,697	27,545	635,653	648,416	844	372	1,957,670	E.S.C.
41,452	47,233	16,827	12,661	73,091	70,790	71	19	469,119	Ky.
12,738	13,289	8,428	5,891	120,947	124,448	85	23	438,225	Tenn.
9,740	10,103	9,814	6,291	215,915	225,215	155	79	423,075	Ala.
5,889	6,191	4,628	2,702	225,700	227,963	533	251	327,251	Miss.
192,424	180,518	208,431	148,789	538,727	523,517	14,800	12,692	2,103,428	W.S.C.
13,775	11,481	8,166	5,000	123,039	118,295	123	32	330,492	Ark.
32,219	37,251	24,848	16,380	178,623	180,628	672	244	362,226	La.
34,630	29,037	22,817	13,201	40,110	36,221	12,510	11,894	414,772	Okla.
111,791	102,749	152,600	114,118	196,055	188,373	1,495	522	995,938	Tex.
216,343	195,444	241,321	152,687	16,072	7,809	29,906	19,267	765,704	Mt.
45,442	39,484	54,250	31,459	754	508	4,419	2,817	132,569	Mont.
30,509	25,160	23,366	12,804	463	236	2,240	1,149	95,705	Idaho.
12,927	10,355	15,796	7,261	678	387	1,512	480	54,037	Wyo.
55,347	55,095	62,080	42,028	4,237	3,869	1,817	808	206,979	Colo.
7,822	6,779	13,244	8,689	4,046	763	5,150	4,070	76,548	N.Mex.
13,925	11,890	33,582	22,391	5,075	1,484	9,377	7,364	84,965	Ariz.
43,160	41,382	28,791	23,463	652	452	2,836	1,113	92,645	Utah.
7,211	5,299	10,203	3,692	167	110	2,555	1,466	22,256	Nev.
418,662	418,562	569,178	370,445	18,435	15,932	30,841	30,258	1,338,103	Pac.
101,677	93,867	143,258	87,177	3,105	2,103	13,318	6,030	329,067	Wash.
52,390	49,878	58,580	36,227	937	683	5,714	2,104	170,038	Oreg.
264,595	274,817	367,340	247,041	14,393	13,146	61,809	22,124	829,998	Calif.

No. 22.—POPULATION STATISTICS OF CITIES

NOTE.—Per cents show proportion which specified class forms of total population of the city. The For population of cities of 100,000

City	Total population					Native white, native parentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Akron, Ohio	16,512	27,601	42,728	69,067	208,435	37,793	125,079	60.0
Albany, N. Y	90,758	94,923	94,151	100,253	113,344	44,472	56,265	49.6
Allentown, Pa	18,063	25,228	35,416	51,913	73,502	38,368	51,937	70.7
Altoona, Pa	19,710	30,337	38,973	52,127	60,331	37,740	43,300	71.9
Atlanta, Ga	37,409	65,533	89,872	154,839	200,616	91,987	124,948	62.3
Atlantic City, N. J	5,477	13,055	27,838	46,150	50,707	22,410	22,087	43.6
Augusta, Ga	21,891	33,300	39,441	41,040	52,548	19,861	26,883	51.2
Baltimore, Md	332,313	434,439	508,957	558,485	733,826	261,474	378,380	51.6
Bayonne, N. J	9,372	19,033	32,722	55,545	76,754	11,301	14,497	18.9
Berkeley, Calif		5,101	13,214	40,434	56,036	19,479	28,660	51.2
Bethlehem, Pa	5,196	6,762	7,293	[3] 12,837	50,358	10,495	26,503	52.6
Binghamton, N. Y	17,317	35,005	39,647	48,443	66,800	30,490	40,030	59.9
Birmingham, Ala	3,086	26,178	38,415	132,685	178,806	66,312	92,211	51.6
Boston, Mass	362,839	448,477	560,892	[3] 670,585	748,060	157,870	181,811	24.3
Bridgeport, Conn	27,643	48,866	70,996	102,054	143,555	27,156	36,816	25.6
Brockton, Mass	13,608	27,294	40,063	56,878	66,264	23,008	24,643	37.2
Buffalo, N. Y	155,134	255,664	352,387	423,715	506,775	119,692	165,135	32.6
Cambridge, Mass	52,669	70,028	91,886	104,839	109,694	25,715	29,045	26.5
Camden, N. J	41,659	58,313	75,935	94,538	116,309	49,581	56,249	48.4
Canton, Ohio	12,258	26,189	30,667	50,217	87,091	29,470	53,783	61.8
Charleston, S. C	49,984	54,955	55,807	58,833	67,957	20,458	28,262	41.6
Chattanooga, Tenn	12,892	29,100	30,154	44,604	57,895	23,035	34,911	60.3
Chester, Pa	14,997	20,226	33,988	38,537	58,030	17,793	25,627	44.2
Chicago, Ill	503,185	1,099,850	1,698,575	2,185,283	2,701,705	445,139	642,871	23.8
Cincinnati, Ohio	255,139	296,908	325,902	363,591	401,247	154,937	206,606	51.5
Cleveland, Ohio	160,146	261,353	381,768	560,663	796,841	132,314	212,247	26.6
Columbus, Ohio	51,647	88,150	125,560	181,511	237,031	116,846	159,069	67.1
Covington, Ky	29,720	37,371	42,938	53,270	57,121	31,079	37,391	65.5
Dallas, Tex	10,358	38,067	42,638	92,104	158,976	59,746	112,509	70.8
Davenport, Iowa	21,831	26,872	35,254	43,028	56,727	17,702	29,394	51.8
Dayton, Ohio	38,678	61,220	85,333	116,577	152,559	72,301	100,906	66.2
Denver, Colo	35,629	106,713	133,859	213,381	256,491	106,945	144,678	56.4
Des Moines, Iowa	22,408	50,093	62,139	86,368	126,468	53,785	84,361	66.7
Detroit, Mich	116,340	205,876	285,704	465,766	993,678	115,106	313,997	31.6
Duluth, Minn	[4] 838	33,115	52,969	78,466	98,917	15,493	23,931	24.2
East Orange, N. J			21,500	34,371	50,710	18,253	27,455	54.1
East St. Louis, Ill	9,185	15,169	29,655	58,547	66,767	30,447	38,854	58.2
El Paso, Tex	736	10,338	15,906	39,279	77,560	16,099	27,456	35.4
Elizabeth, N. J	28,229	37,764	52,130	73,409	95,783	20,298	25,887	27.0
Erie, Pa	27,737	40,634	52,733	66,525	93,372	25,740	41,179	44.1
Evansville, Ind	29,280	50,756	59,007	69,647	85,264	41,945	60,270	70.7
Fall River, Mass	48,961	74,398	104,863	119,295	120,485	15,858	19,108	15.9
Flint, Mich	8,409	9,803	13,103	38,550	91,599	21,269	50,186	54.8
Fort Wayne, Ind	26,880	35,393	45,115	63,933	86,549	36,722	57,675	66.6
Fort Worth, Tex	6,663	23,076	26,688	73,312	106,482	50,139	75,515	70.9
Gary, Ind				16,802	55,378	4,480	16,519	29.8
Grand Rapids, Mich	32,016	60,278	87,565	112,571	137,634	49,777	66,079	40.7
Harrisburg, Pa	30,762	39,385	50,167	64,186	75,917	49,576	59,268	78.1
Hartford, Conn	42,015	53,230	79,850	98,915	138,036	31,011	40,327	29.2
Haverhill, Mass	18,472	27,412	37,175	44,115	53,884	19,472	21,573	40.0
Hoboken, N. J	30,999	43,648	59,364	70,324	68,166	13,463	14,473	21.2
Holyoke, Mass	21,915	35,637	45,712	57,730	60,203	9,141	10,994	18.3
Houston, Tex	16,513	27,557	44,633	78,800	138,276	37,181	72,433	52.4
Huntington, W. Va	3,174	10,108	11,923	31,161	50,177	27,311	44,720	89.1
Indianapolis, Ind	75,056	105,436	169,164	233,650	314,194	150,593	219,207	69.8
Jacksonville, Fla	7,650	17,201	28,429	57,699	91,558	22,628	39,930	43.6
Jersey City, N. J	120,722	163,003	206,433	267,779	298,103	74,861	87,083	29.2
Johnstown, Pa	8,380	21,805	35,936	55,482	67,327	26,237	34,207	50.8
Kansas City, Kans	3,200	38,316	51,418	82,331	101,177	48,021	56,575	55.9
Kansas City, Mo	55,785	132,716	163,752	248,381	324,410	153,717	209,134	64.5
Knoxville, Tenn	9,693	22,535	32,637	36,346	77,818	26,300	53,558	81.7
Lancaster, Pa	25,769	32,011	41,459	47,227	53,150	36,610	42,126	79.3
Lansing, Mich	8,319	13,102	16,485	31,229	57,327	19,497	38,373	66.9
Lawrence, Mass	30,151	44,654	62,559	85,892	94,270	11,699	12,925	13.7
Lincoln, Nebr	13,003	55,154	40,169	43,973	54,948	26,021	33,381	60.8
Little Rock, Ark	13,138	25,874	38,307	45,941	65,142	24,810	40,851	62.7
Long Beach, Calif		564	2,252	17,809	55,593	12,526	37,888	68.2
Los Angeles, Calif	11,183	50,395	102,479	319,198	576,673	169,967	294,458	51.1
Louisville, Ky	123,758	161,129	204,731	223,928	234,891	113,543	130,403	59.3
Lowell, Mass	59,475	77,696	94,969	106,294	112,759	20,703	24,670	21.9
Lynn, Mass	38,274	55,727	68,513	89,336	99,148	33,180	33,988	34.4
Macon, Ga	12,749	22,746	23,272	40,665	52,995	20,723	27,923	52.7

For footnotes see p. 48.

HAVING IN 1920 OVER 50,000 INHABITANTS

Increase from Census to Census includes that due to annexation of territory as well as to direct growth. For over in 1930, see Table 8, p. 40.

Native white, foreign or mixed parentage			Foreign-born white			Colored [1]			Sex, 1920		City
Number, 1910	Number, 1920	Per cent, 1920	Number, 1910	Number, 1920	Per cent, 1920	Number, 1910	Number, 1920	Per cent, 1920	Male	Female	
17,370	39,750	19.1	13,241	37,889	18.2	663	5,717	2.7	121,169	87,266	Akron.
36,533	38,135	33.6	18,165	17,636	15.6	1,082	1,308	1.2	54,674	58,670	Albany.
7,172	12,767	17.4	6,234	8,612	11.7	139	186	0.3	36,053	37,449	Allentown.
8,713	10,729	17.8	5,212	5,312	8.8	462	900	1.5	29,814	30,517	Altoona.
6,404	8,099	4.0	4,410	4,738	2.4	51,978	62,831	31.3	96,457	104,159	Atlanta.
7,421	10,590	20.9	6,400	7,009	13.8	9,919	11,021	21.7	24,223	26,484	Atlantic City.
1,899	2,078	4.0	888	927	1.8	18,392	22,660	43.1	25,299	27,249	Augusta.
134,870	162,839	22.2	77,043	83,911	11.4	85,098	108,690	14.8	361,560	372,266	Baltimore.
23,123	30,103	47.0	20,522	25,472	33.2	599	682	0.9	39,917	36,837	Bayonne.
11,863	15,954	28.5	7,653	9,573	17.1	1,439	1,840	3.3	26,232	29,804	Berkeley.
1,441	12,546	24.9	797	10,943	21.7	104	366	0.7	25,928	24,430	Bethlehem.
9,916	15,742	23.6	7,389	10,368	15.5	648	660	1.0	32,479	34,321	Binghamton.
8,357	10,255	5.7	5,700	6,084	3.4	52,316	70,256	39.3	89,015	89,791	Birmingham.
257,104	309,755	41.4	240,722	238,919	31.9	14,889	17,575	2.3	368,756	379,304	Boston.
37,314	57,990	40.4	36,180	46,414	32.3	1,404	2,335	1.6	73,709	69,845	Bridgeport.
17,882	23,868	36.0	15,425	17,124	25.8	563	619	0.9	32,809	33,445	Brockton.
183,673	215,377	42.5	118,444	121,530	24.0	1,906	4,733	0.9	253,654	253,121	Buffalo.
39,794	43,101	39.3	34,608	32,104	29.3	4,822	5,444	5.0	52,428	57,266	Cambridge.
23,128	31,242	26.9	15,682	20,262	17.4	6,147	8,556	7.4	59,212	57,097	Camden.
11,798	17,304	19.9	8,648	14,680	16.9	301	1,324	1.5	47,188	39,903	Canton.
4,902	5,180	7.6	2,404	2,143	3.2	31,069	32,372	47.6	32,750	35,207	Charleston.
2,293	2,850	4.9	1,332	1,240	2.1	17,944	18,894	32.6	28,978	28,917	Chattanooga.
9,258	13,908	24.0	6,673	11,202	19.5	4,813	7,203	12.4	31,554	26,476	Chester.
912,701	1,140,816	42.2	781,217	805,482	29.8	46,226	112,536	4.2	1,369,917	1,331,788	Chicago.
132,190	121,665	30.3	56,792	42,827	10.7	19,672	30,150	7.5	194,342	206,905	Cincinnati.
223,908	310,241	38.9	195,703	239,538	30.1	8,738	34,815	4.4	413,398	383,443	Cleveland.
35,578	39,597	16.7	16,285	16,055	6.8	12,802	22,310	9.4	118,810	113,221	Columbus.
15,346	13,801	24.2	3,933	2,883	5.0	2,912	3,046	5.3	27,401	29,660	Covington.
9,078	13,649	8.6	5,219	8,730	5.5	18,061	24,088	15.2	79,506	79,470	Dallas.
16,649	18,991	33.5	8,101	7,644	13.5	576	698	1.2	28,656	28,071	Davenport.
25,559	29,388	19.3	13,847	13,111	8.6	4,870	9,064	5.9	77,114	75,445	Dayton.
61,185	67,346	26.3	38,941	37,620	14.7	6,310	6,847	2.7	131,906	124,585	Denver.
19,234	25,302	20.0	10,395	11,224	8.9	2,954	5,581	4.4	62,178	64,290	Des Moines.
188,255	348,771	35.1	156,565	289,297	29.1	5,840	41,613	4.2	540,248	453,430	Detroit.
31,856	44,265	44.7	30,652	30,118	30.4	465	603	0.6	51,873	47,044	Duluth.
8,506	14,075	27.8	5,677	6,780	13.4	1,935	2,400	4.7	23,256	27,454	East Orange.
12,799	13,668	20.5	9,400	6,782	10.2	5,901	7,463	11.2	35,065	31,702	East St. Louis.
8,239	14,995	19.3	14,248	33,353	43.0	1,693	1,756	2.3	37,193	40,367	El Paso.
27,808	39,668	41.4	23,894	28,215	29.5	1,409	2,013	2.1	49,530	46,253	Elizabeth.
25,494	34,047	36.5	14,943	17,370	18.6	348	776	0.8	46,960	46,412	Erie.
16,970	15,437	18.1	4,462	3,145	3.7	6,270	6,412	7.5	41,462	43,802	Evansville.
52,125	58,615	48.7	50,874	42,331	35.1	438	371	0.3	57,918	62,567	Fall River.
10,213	24,521	26.8	6,662	15,127	16.5	406	1,765	1.9	51,655	39,944	Flint.
19,414	20,764	24.0	7,204	6,634	7.7	593	1,476	1.7	42,588	43,961	Fort Wayne.
5,612	7,592	7.1	4,209	7,359	6.9	13,352	16,016	15.0	56,366	50,116	Fort Worth.
3,681	17,005	30.8	8,242	16,460	29.7	399	5,334	9.6	31,810	23,568	Gary.
42,767	52,038	37.8	28,335	28,355	20.6	692	1,162	0.8	67,516	70,118	Grand Rapids.
5,926	7,242	9.5	4,134	4,144	5.5	4,550	5,263	6.9	37,176	38,741	Harrisburg.
34,824	52,087	38.2	31,243	40,067	29.5	1,837	4,355	3.2	69,106	68,930	Hartford.
13,061	18,615	34.5	11,153	13,307	24.7	429	389	0.7	26,490	27,304	Haverhill.
29,030	29,945	43.9	27,668	23,496	34.5	163	252	0.4	35,663	32,503	Hoboken.
25,286	28,782	47.8	23,238	20,255	33.6	65	172	0.3	28,901	31,302	Holyoke.
11,333	19,823	14.3	6,318	12,012	8.7	23,968	34,008	24.6	69,048	69,228	Houston.
1,184	1,834	3.7	514	732	1.5	2,152	2,891	5.8	25,177	25,000	Huntington.
41,420	43,156	13.7	19,767	16,958	5.4	21,870	34,783	11.1	155,839	158,355	Indianapolis.
3,213	6,118	6.7	2,488	3,894	4.3	29,370	41,586	45.4	45,011	46,547	Jacksonville.
109,101	126,945	42.6	77,697	75,981	25.5	6,120	8,094	2.7	150,416	147,687	Jersey City.
13,467	19,307	28.7	15,316	12,142	18.0	462	1,671	2.5	35,025	32,302	Johnstown.
14,631	18,472	18.3	10,344	11,656	11.5	9,335	14,474	14.3	51,798	49,379	Kansas City.
45,633	57,063	17.6	25,327	27,320	8.4	23,704	30,893	9.5	162,362	162,048	Kansas City.
1,623	2,141	2.8	783	812	1.0	7,640	11,307	14.5	37,603	40,215	Knoxville.
7,602	7,387	13.9	3,203	2,714	5.1	812	923	1.7	25,033	28,117	Lancaster.
7,398	12,244	21.4	3,973	5,985	10.4	361	725	1.3	30,098	27,229	Lansing.
32,553	42,604	45.2	41,319	39,063	41.4	321	278	0.3	46,881	47,389	Lawrence.
10,001	13,437	24.5	7,200	7,198	13.1	751	932	1.7	26,554	28,394	Lincoln.
4,602	5,008	7.7	1,973	1,798	2.8	14,556	17,485	26.8	31,750	33,392	Little Rock.
3,086	10,353	18.6	1,942	6,799	12.2	255	553	1.0	26,153	29,440	Long Beach.
74,756	140,349	24.3	60,584	112,057	19.4	13,891	20,809	5.2	285,175	291,498	Los Angeles.
52,411	43,745	18.6	17,436	11,621	4.9	40,538	40,122	17.1	112,150	122,732	Louisville.
41,942	49,793	44.2	43,457	38,040	33.7	192	250	0.2	54,271	58,488	Lowell.
27,904	36,361	36.7	27,344	27,858	28.1	818	941	0.9	48,874	50,274	Lynn.
1,099	1,277	2.4	688	698	1.3	18,155	23,097	43.6	25,568	27,427	Macon.

No. 22.—Population Statistics of Cities Having

City	Total population					Native white, native parentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Manchester, N. H.	32,630	44,126	56,987	70,063	78,384	16,110	18,851	24.0
Memphis, Tenn.	33,592	64,495	102,320	131,105	162,351	59,985	82,705	51.0
Milwaukee, Wis.	115,587	204,468	285,315	373,857	457,147	78,823	130,845	28.6
Minneapolis, Minn.	46,887	164,738	202,718	301,408	380,582	96,186	133,178	35.0
Mobile, Ala.	29,132	31,076	38,469	51,521	60,777	20,944	29,060	47.8
Nashville, Tenn.	43,350	76,168	80,856	110,364	118,342	63,687	74,022	62.5
New Bedford, Mass.	26,845	40,733	62,442	96,652	121,217	18,738	20,098	16.6
New Britain, Conn.	11,800	16,519	25,998	43,916	59,316	8,755	11,161	18.8
New Haven, Conn.	[5] 62,882	81,298	108,027	133,605	162,537	37,726	44,401	27.3
New Orleans, La.	216,090	242,039	287,104	339,075	387,219	147,473	190,641	49.2
New York, N. Y.[6]	1,911,698	2,507,414	3,437,202	4,766,883	5,620,048	921,318	1,164,834	20.7
Newark, N. J.	136,508	181,830	246,070	347,469	414,524	94,737	113,413	27.4
Niagara Falls, N. Y.			19,457	30,445	50,760	7,721	13,477	26.6
Norfolk, Va.	21,966	34,871	46,624	67,452	115,777	34,471	57,759	49.9
Oakland, Calif.	34,555	48,682	66,960	150,174	216,261	55,198	90,279	41.7
Oklahoma City, Okla.		4,151	10,037	64,205	91,295	47,880	71,446	78.3
Omaha, Nebr.	30,518	140,452	102,555	[7] 124,096	191,601	52,917	86,525	45.2
Passaic, N. J.	6,532	13,028	27,777	54,773	63,841	7,530	8,818	13.8
Paterson, N. J.	51,031	78,347	105,171	125,600	135,875	28,392	31,824	23.4
Pawtucket, R. I.	19,030	27,633	39,231	51,622	64,248	12,627	14,780	23.0
Peoria, Ill.	29,259	41,024	56,100	66,950	76,121	36,615	46,213	60.7
Philadelphia, Pa.	847,170	1,046,964	1,293,697	1,549,008	1,823,779	584,008	698,782	38.3
Pittsburgh, Pa.	235,071	343,904	451,512	533,905	588,343	176,089	216,530	36.8
Portland, Me.	33,810	36,425	50,145	58,571	69,272	31,121	35,909	51.9
Portland, Oreg.	17,577	46,385	90,426	207,214	258,288	104,163	136,216	52.7
Portsmouth, Va.	11,390	13,268	17,427	33,190	54,387	18,203	26,744	49.2
Providence, R. I.	104,857	132,146	175,597	224,326	237,595	59,966	63,728	26.8
Racine, Wis.	16,031	21,014	29,102	38,002	58,593	8,814	17,211	29.4
Reading, Pa.	43,278	58,661	78,961	96,071	107,784	74,714	81,000	75.2
Richmond, Va.	63,600	81,388	85,050	127,628	171,667	69,130	102,956	60.0
Roanoke, Va.	669	16,159	21,495	34,874	50,842	25,089	39,000	76.7
Rochester, N. Y.	89,366	133,896	162,608	218,149	295,750	74,525	111,976	37.9
Rockford, Ill.	13,129	23,584	31,051	45,401	65,651	15,395	24,141	36.8
Sacramento, Calif.	21,420	26,386	29,282	44,696	65,908	19,821	32,696	49.6
Saginaw, Mich.	10,525	46,322	42,345	50,510	61,903	17,257	25,805	41.7
St. Joseph, Mo.	32,431	52,324	102,979	77,403	77,939	50,316	53,531	68.7
St. Louis, Mo.	350,518	451,770	575,238	687,029	772,897	269,836	359,482	46.5
St. Paul, Minn.	41,473	133,156	163,065	214,744	234,698	61,594	77,378	33.0
Salt Lake City, Utah	20,768	44,843	53,531	92,777	118,110	38,152	56,234	47.6
San Antonio, Tex.	20,550	37,673	53,321	96,614	161,379	44,620	76,299	47.3
San Diego, Calif.	2,637	16,159	17,700	39,578	74,683	22,550	41,514	55.6
San Francisco, Calif.	233,959	298,997	342,782	416,912	506,676	115,350	167,179	33.0
Savannah, Ga.	30,709	43,189	54,244	65,064	83,252	22,634	34,420	41.3
Schenectady, N. Y.	13,655	19,902	31,682	72,826	88,723	31,538	35,897	40.5
Scranton, Pa.	45,850	75,215	102,026	129,867	137,783	38,745	48,715	35.4
Seattle, Wash.	3,533	42,837	80,671	237,194	315,312	105,784	139,701	44.3
Sioux City, Iowa	7,366	37,806	33,111	47,828	71,227	22,405	38,751	54.4
Somerville, Mass.	24,933	40,152	61,643	77,236	93,091	29,573	32,289	34.7
South Bend, Ind.	13,280	21,819	35,999	53,684	70,983	22,880	33,915	47.8
Spokane, Wash.		19,922	36,848	104,402	104,437	54,574	57,324	54.9
Springfield, Ill.	19,743	24,963	34,159	51,678	59,183	27,944	35,255	59.6
Springfield, Mass.	33,340	44,179	62,059	88,926	129,614	35,732	48,945	37.8
Springfield, Ohio	20,730	31,895	38,253	46,921	60,840	30,577	43,037	70.7
Syracuse, N. Y.	51,792	88,143	108,374	137,249	171,717	58,408	80,072	46.6
Tacoma, Wash.		36,006	37,714	83,743	96,965	36,481	44,657	46.1
Tampa, Fla.	720	5,532	15,839	37,782	51,608	12,037	17,542	34.0
Terre Haute, Ind.	26,042	30,217	36,673	58,157	66,083	42,586	48,976	74.1
Toledo, Ohio	50,137	81,434	131,822	168,497	243,164	75,147	124,055	51.0
Topeka, Kans.	15,452	31,007	33,608	43,684	50,022	27,800	33,594	67.2
Trenton, N. J.	29,910	57,458	73,307	96,815	119,289	38,679	44,195	37.0
Troy, N. Y.	56,747	60,956	60,651	76,813	72,013	32,224	33,082	45.9
Tulsa, Okla.			1,390	18,182	72,075	14,402	55,660	77.2
Utica, N. Y.	33,914	44,007	56,383	74,419	94,156	25,869	33,751	35.8
Washington, D. C.[8]	177,624	230,392	278,718	331,069	437,571	166,711	239,488	54.7
Waterbury, Conn.	17,806	28,646	45,859	73,141	91,715	18,238	22,122	24.1
Wheeling, W. Va.	30,737	34,522	38,878	41,641	56,208	22,385	34,059	60.6
Wichita, Kans.	4,911	23,853	24,671	52,450	72,217	40,738	58,052	80.4
Wilkes-Barre, Pa.	23,339	37,718	51,721	67,105	73,833	24,423	28,709	38.9
Wilmington, Del.	42,478	61,431	76,508	87,411	110,168	44,937	56,868	51.6
Worcester, Mass.	58,291	84,655	118,421	145,986	179,754	41,421	50,716	28.2
Yonkers, N. Y.	18,892	32,033	47,931	79,803	100,176	21,640	30,050	30.0
Youngstown, Ohio	15,435	33,220	44,885	79,066	132,358	25,595	46,459	35.1

[1] Includes Indians, Chinese, Japanese, and other nonwhite.
[2] Total population for 1910, including South Bethlehem and West Bethlehem Boroughs, now a part of Bethlehem, 32,810; native white of native parentage, 16,498; native white of foreign or mixed parentage, 6,920; foreign-born white, 9,159; Negro, 228; other colored, 5.
[3] Total population for 1910, including Hyde Park, annexed since 1910, 686,092; native white of native parentage, 163,028; native white of foreign or mixed parentage, 262,908; foreign-born white, 245,164; Negro, 13,651; other colored, 1,341.
Source: Bureau of the Census, Department of Commerce.

IN 1920 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Colored[1]			Sex, 1920		City
Number, 1910	Number, 1920	Per cent, 1920	Number, 1910	Number, 1920	Per cent, 1920	Number, 1910	Number, 1920	Per cent, 1920	Male	Female	
24,197	31,939	40.7	29,692	27,516	35.1	55	78	0.1	37,583	40,801	Manchester.
12,138	12,543	7.7	6,467	5,775	3.6	52,515	61,238	37.7	79,116	83,235	Memphis.
182,530	213,911	46.8	111,456	110,068	24.1	1,048	2,323	0.5	228,614	228,533	Milwaukee.
116,548	155,155	40.8	85,938	88,032	23.1	2,736	4,217	1.1	189,215	191,367	Minneapolis.
5,585	5,788	9.5	2,208	2,006	3.3	22,784	23,923	39.4	29,149	31,628	Mobile.
7,151	6,294	5.3	2,993	2,387	2.0	36,533	35,639	30.1	56,004	62,338	Nashville.
32,336	47,355	39.1	42,626	48,639	40.2	2,953	5,075	4.2	59,388	61,829	New Bedford
17,037	26,602	44.8	18,015	21,230	35.8	109	323	0.5	30,859	28,457	New Britain.
49,434	67,729	41.7	42,784	45,680	28.1	3,661	4,721	2.9	80,221	82,316	New Haven.
74,244	69,283	17.9	27,686	25,992	6.7	89,672	101,303	26.2	189,026	198,193	New Orleans.
1,820,141	2,303,082	41.0	1,027,703	1,991,547	35.4	97,721	160,585	2.9	2,802,638	2,817,410	New York.[5]
132,350	166,807	40.2	110,655	117,003	28.2	9,727	17,301	4.2	209,200	205,324	Newark.
10,385	18,874	37.2	12,064	17,886	35.2	275	523	1.0	27,113	23,647	Niagara Falls.
4,318	7,880	6.8	3,564	6,587	5.7	25,099	43,551	37.6	60,018	55,759	Norfolk.
49,936	68,563	31.7	36,822	45,162	20.9	8,218	12,257	5.7	111,954	104,307	Oakland.
6,399	7,948	8.7	3,214	3,477	3.8	6,712	8,424	9.2	46,640	44,655	Oklahoma City.
39,595	69,140	30.9	27,068	35,381	18.5	4,516	10,555	5.5	98,954	92,047	Omaha.
18,209	28,042	43.9	28,467	26,365	41.3	561	618	1.0	31,840	32,001	Passaic.
50,179	57,285	42.2	45,398	45,145	33.2	1,631	1,621	1.2	67,248	68,627	Paterson.
20,767	28,084	43.7	17,956	21,024	32.7	272	360	0.6	31,158	33,090	Pawtucket.
19,936	19,964	26.2	8,810	7,790	10.2	1,589	2,154	2.8	37,910	38,211	Peoria.
496,785	591,471	32.4	382,578	397,927	21.8	85,637	135,599	7.4	907,633	916,146	Philadelphia.
191,483	213,465	36.3	140,436	120,266	20.4	25,897	38,082	6.5	296,260	292,083	Pittsburgh.
15,054	19,692	28.4	12,078	13,229	19.1	318	382	0.6	33,306	35,966	Portland, Me.
51,009	69,631	27.0	43,780	47,114	18.2	8,262	5,327	2.1	132,115	126,173	Portland, Oreg.
2,242	2,812	5.2	1,115	1,543	2.8	11,630	23,288	42.8	28,602	26,385	Portsmouth.
82,354	99,077	41.7	76,303	68,951	29.0	5,703	5,339	2.5	115,154	122,441	Providence.
16,561	24,858	42.4	12,509	16,199	27.6	118	325	0.6	31,524	27,069	Racine.
11,750	16,298	16.1	8,812	9,553	8.9	795	933	0.9	53,198	54,586	Reading.
7,664	9,981	5.8	4,085	4,637	2.7	46,749	54,093	31.5	80,631	91,036	Richmond.
1,086	1,630	3.2	770	869	1.7	7,929	9,343	18.4	25,037	25,805	Roanoke.
83,687	110,792	37.5	58,993	71,321	24.1	944	1,661	0.6	145,494	150,256	Rochester.
15,973	23,641	36.0	13,828	17,343	26.4	205	526	0.8	33,550	32,101	Rockford.
12,999	18,638	28.3	8,886	10,873	16.5	2,991	3,701	5.6	34,529	31,379	Sacramento.
21,225	24,119	39.0	11,701	11,605	18.7	327	374	0.6	31,024	30,879	Saginaw.
14,699	13,758	17.7	8,113	6,423	8.2	4,275	4,227	5.4	38,916	39,023	St. Joseph.
246,946	239,894	31.0	125,706	103,239	13.4	44,541	70,282	9.1	383,402	389,495	St. Louis.
93,398	102,198	43.5	56,524	51,595	22.0	3,228	3,527	1.5	117,388	117,330	St. Paul.
34,284	41,113	34.8	19,035	19,434	16.5	1,306	1,329	1.1	58,697	59,413	Salt Lake City.
23,765	33,854	21.0	17,407	36,646	22.7	10,813	14,580	9.0	80,782	80,597	San Antonio.
8,549	17,740	23.8	7,369	13,295	17.8	1,113	2,128	2.8	36,773	37,910	San Diego.
163,781	182,643	36.0	130,874	140,200	27.7	16,898	16,654	3.3	272,703	233,973	San Francisco.
5,818	6,363	7.6	3,332	3,247	3.9	33,280	39,222	47.1	40,511	42,741	Savannah.
22,324	31,858	35.9	18,631	20,490	23.1	333	478	0.5	44,857	43,866	Schenectady.
55,431	59,931	43.5	35,112	28,568	20.7	579	569	0.4	67,549	70,234	Scranton.
61,134	89,604	28.2	60,836	73,875	23.4	9,441	12,732	4.0	167,601	147,711	Seattle.
14,669	20,026	28.1	10,452	11,216	15.7	312	1,234	1.7	37,568	33,659	Sioux City.
26,632	36,254	38.9	20,751	24,182	26.0	280	366	0.4	44,350	48,741	Somerville.
16,725	22,390	31.5	13,420	13,391	18.9	659	1,287	1.8	36,214	34,769	South Bend.
27,277	29,230	28.0	21,220	16,826	16.1	1,331	1,057	1.0	52,329	52,108	Spokane.
13,855	14,893	25.2	6,900	6,255	10.6	2,979	2,780	4.7	28,696	30,487	Springfield.
28,656	46,604	36.0	22,999	31,250	24.1	1,539	2,815	2.2	63,722	65,892	Springfield.
8,243	8,005	13.2	3,150	2,757	4.5	4,945	7,041	11.6	30,503	30,337	Springfield.
46,912	57,979	33.8	30,781	32,321	18.8	1,148	1,345	0.8	85,935	85,782	Syracuse.
23,877	29,336	30.3	21,463	20,563	21.2	1,922	2,409	2.5	51,601	45,364	Tacoma.
6,857	11,837	22.9	9,896	10,666	20.7	8,992	11,563	22.4	25,998	25,610	Tampa.
9,164	9,779	14.8	3,796	3,667	5.5	2,611	3,661	5.5	32,853	33,230	Terre Haute.
59,383	75,185	30.9	32,037	38,145	15.7	1,930	5,779	2.4	125,518	117,646	Toledo.
7,183	8,102	16.2	4,153	4,000	8.0	4,548	4,326	8.6	23,918	26,104	Topeka.
29,209	40,634	34.1	26,310	30,073	25.2	2,617	4,387	3.7	60,639	58,650	Trenton.
28,491	26,836	37.3	15,432	11,483	15.9	666	612	0.8	33,076	38,937	Troy.
1,204	5,216	7.2	412	2,025	2.8	2,164	9,174	12.7	37,639	34,436	Tulsa.
26,882	36,756	39.0	21,308	23,257	24.7	360	392	0.4	45,802	48,354	Utica.
45,066	58,824	13.4	24,351	28,548	6.5	94,941	110,711	25.3	203,543	234,028	Wash., D. C.[8]
28,590	38,695	42.2	25,498	29,894	32.6	815	1,004	1.1	47,430	44,285	Waterbury.
12,630	14,720	26.2	5,418	5,796	10.3	1,208	1,033	2.9	27,435	28,772	Wheeling.
6,383	7,550	10.5	2,855	3,021	4.2	2,474	3,594	5.0	35,659	36,558	Wichita.
25,926	30,000	40.6	16,078	14,567	19.7	678	557	0.8	36,339	37,494	Wilkes-Barre.
19,694	26,235	23.8	13,678	16,279	14.8	9,102	10,786	9.8	56,180	53,988	Wilmington.
54,751	74,257	41.3	48,492	53,418	29.7	1,322	1,363	0.8	89,586	90,168	Worcester.
29,960	42,419	42.3	26,590	25,700	25.7	1,613	1,998	2.0	49,610	51,166	Yonkers.
26,654	45,302	34.2	24,860	33,834	25.6	1,957	6,763	5.1	70,770	61,588	Youngstown.

[4] Excludes Duluth village (population 2,645) which was set apart by act of legislature in 1877, but which again became part of the city in 1887.

[5] Population of town, including city; town and city not returned separately.

[6] Population shown is for New York City as now constituted.

[7] Total population for 1910, including South Omaha, annexed since 1910, 150,355; native white of native parentage, 61,416; native white of foreign or mixed parentage, 48,623; foreign-born white, 34,902; Negro, 5,143; other colored, 271.

[8] Population shown is for District of Columbia, with which the city is now coextensive.

No. 23.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER: BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES

NOTE.—The number divorced is considered to be understated

Class	Males 15 years and over				Females 15 years and over			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
All classes	32,425,805	36,920,668	100.0	100.0	30,047,325	35,177,515	100.0	100.0
Single	12,550,129	12,967,565	38.7	35.1	8,933,170	9,616,902	29.7	27.3
Married	18,092,600	21,840,266	55.8	59.2	17,694,087	21,318,933	58.9	60.6
Widowed	1,471,390	1,758,308	4.5	4.8	3,176,228	3,917,625	10.6	11.1
Divorced	156,162	235,284	0.5	0.6	135,068	273,304	0.5	0.8
Unknown	155,524	118,240	0.5	0.3	68,172	50,751	0.2	0.1
White	29,168,125	33,335,586	100.0	100.0	26,857,337	31,654,841	100.0	100.0
Single	11,360,282	11,782,666	39.0	35.3	8,091,249	8,772,732	30.1	27.7
Married	16,253,940	19,698,113	55.7	59.1	15,852,011	19,210,238	59.0	60.7
Widowed	1,274,388	1,549,164	4.4	4.6	2,705,090	3,399,662	10.1	10.7
Divorced	135,203	207,663	0.5	0.6	150,801	228,505	0.6	0.7
Unknown	134,312	97,981	0.5	0.3	57,286	43,644	0.2	0.1
Native white, total	22,018,232	26,083,047	100.0	100.0	21,411,031	25,740,856	100.0	100.0
Single	9,001,366	9,927,618	41.3	38.1	7,097,139	7,936,933	33.1	30.8
Married	11,821,805	14,795,171	53.7	56.7	12,228,608	15,086,735	57.1	58.6
Widowed	859,662	1,111,115	4.0	4.3	1,905,878	2,480,407	8.9	9.6
Divorced	112,144	175,713	0.5	0.7	130,259	200,909	0.6	0.8
Unknown	103,255	73,430	0.5	0.3	49,747	35,872	0.2	0.1
Native white, native parentage	18,233,095	19,092,107	100.0	100.0	15,523,900	18,529,748	100.0	100.0
Single	6,185,324	6,776,518	33.1	35.5	4,644,122	5,268,490	29.9	28.4
Married	9,144,099	11,244,289	56.3	58.9	9,219,385	11,195,865	59.4	60.4
Widowed	728,883	874,821	4.5	4.6	1,523,560	1,885,000	9.8	10.2
Divorced	87,456	134,789	0.5	0.7	100,053	152,743	0.6	0.8
Unknown	87,333	61,690	0.5	0.3	36,780	27,650	0.2	0.1
Native white, foreign parentage	4,059,778	4,792,911	100.0	100.0	4,092,572	4,906,547	100.0	100 0
Single	1,939,127	2,141,310	49.0	44.7	1,660,120	1,791,271	40.6	36.5
Married	1,926,675	2,445,291	47.4	51.0	2,128,165	2,648,054	52.0	54.0
Widowed	117,046	171,612	2.9	3.6	276,348	431,821	6.8	8.8
Divorced	16,471	28,197	0.4	0.5	18,937	29,535	0.5	0.6
Unknown	11,059	8,501	0.3	0.2	8,952	5,866	0.2	0.1
Native white, mixed parentage	1,725,359	2,198,029	100.0	100.0	1,794,559	2,304,561	100.0	100.0
Single	916,915	1,009,790	53.1	45.9	792,597	877,172	44.2	38.1
Married	751,631	1,105,591	43.6	50.3	880,458	1,242,816	49.1	53.9
Widowed	43,733	64,682	2.5	2.9	105,970	163,586	5.9	7.1
Divorced	8,217	14,727	0.5	0.7	11,219	18,631	0.6	0.8
Unknown	4,863	3,230	0.3	0.1	4,015	2,356	0.2	0.1
Foreign-born white	7,139,893	7,252,539	100.0	100.0	5,444,306	5,918,985	100.0	100.0
Single	2,268,916	1,855,047	31.8	25.6	994,110	835,799	18.3	14.1
Married	4,432,135	4,902,942	62.1	67.6	3,624,003	4,123,503	66.5	69.7
Widowed	384,726	438,049	5.4	6.0	800,112	919,255	14.7	15.5
Divorced	23,059	31,950	0.3	0.4	20,542	27,056	0.4	0.5
Unknown	31,057	24,551	0.4	0.3	7,539	7,772	0.1	0.1
Negro	3,059,312	3,393,211	100.0	100.0	3,103,344	3,423,100	100.0	100.0
Single	1,083,472	1,104,877	35.4	32.6	823,996	825,258	26.6	24.1
Married	1,749,228	2,050,407	57.2	60.4	1,775,949	2,039,181	57.2	59.6
Widowed	189,970	200,734	6.2	5.9	459,831	507,961	14.8	14.8
Divorced	20,146	26,089	0.7	0.8	33,286	43,871	1.1	1.3
Unknown	16,496	10,504	0.5	0.3	10,282	6,829	0.3	0.2
Indian	89,383	76,321	100.0	100.0	76,982	70,431	100.0	100.0
Single	27,391	26,450	34.1	34.7	16,324	16,238	21.2	23.1
Married	46,154	43,095	57.4	56.5	49,095	43,923	63.8	62.4
Widowed	5,319	5,711	6.6	7.5	10,071	9,217	13.1	13.1
Divorced	679	680	0.8	0.9	959	826	1.2	1.2
Unknown	840	385	1.0	0.5	533	227	0.7	0.3
Chinese, Japanese, and all other	127,985	115,545	100.0	100.0	9,662	29,148	100.0	100.0
Single	78,984	53,573	61.7	46.4	1,601	2,674	16.6	9.2
Married	43,278	57,651	33.8	49.9	7,632	25,591	79.0	87.8
Widowed	1,713	2,699	1.3	2.3	336	785	3.5	2.7
Divorced	134	252	0.1	0.2	22	42	0.2	0.1
Unknown	3,876	1,370	3.0	1.2	71	51	0.7	0.2

Source: Bureau of the Census, Department of Commerce.

No. 24.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES AND SEX: By Geographic Divisions, 1920

Note.—The number divorced is considered to be understated. For marital condition of total male and female population of each division see Table 26

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
UNITED STATES (cont'l)								
Males	19,092,107	100.0	6,990,940	100.0	7,252,539	100.0	3,393,211	100.0
Single	6,776,518	35.5	3,151,100	45.1	1,855,047	25.6	1,104,877	32.6
Married	11,244,289	58.9	3,550,882	50.8	4,902,942	67.6	2,050,407	60.4
Widowed	874,821	4.6	236,294	3.4	438,049	6.0	200,734	5.9
Divorced	134,789	0.7	40,924	0.6	31,960	0.4	26,689	0.8
Unknown	61,690	0.3	11,740	0.2	24,551	0.3	10,504	0.3
Females	18,529,748	100.0	7,211,108	100.0	5,913,985	100.0	3,423,100	100.0
Single	5,268,490	28.4	2,668,443	37.0	835,799	14.1	825,258	24.1
Married	11,195,865	60.4	3,890,870	54.0	4,123,503	69.7	2,039,181	59.6
Widowed	1,885,000	10.2	595,407	8.3	919,255	15.5	507,961	14.8
Divorced	152,743	0.8	48,166	0.7	27,656	0.5	43,871	1.3
Unknown	27,650	0.1	8,222	0.1	7,772	0.1	6,829	0.2
NEW ENGLAND								
Males	972,911	100.0	696,851	100.0	909,765	100.0	30,498	100.0
Single	331,847	34.1	374,281	53.7	216,041	23.7	11,870	38.9
Married	569,103	58.5	297,366	42.7	636,924	70.0	16,732	54.9
Widowed	60,870	6.3	21,697	3.1	53,046	5.8	1,591	5.2
Divorced	8,897	0.9	2,691	0.4	2,596	0.3	215	0.7
Unknown	2,194	0.2	816	0.1	1,158	0.1	90	0.3
Females	1,006,256	100.0	756,451	100.0	888,754	100.0	28,353	100.0
Single	320,837	31.9	371,256	49.1	160,504	18.1	7,833	27.1
Married	534,679	53.1	331,003	43.8	603,268	67.9	15,954	56.3
Widowed	139,246	13.8	50,003	6.6	120,992	13.6	4,732	16.4
Divorced	10,339	1.0	3,548	0.5	3,258	0.4	287	1.0
Unknown	1,154	0.1	641	0.1	732	0.1	47	0.2
MIDDLE ATLANTIC								
Males	3,210,550	100.0	1,873,841	100.0	2,530,225	100.0	235,674	100.0
Single	1,175,331	36.6	914,602	48.8	605,712	23.9	85,307	36.2
Married	1,852,462	57.7	884,508	47.2	1,780,343	70.4	136,401	57.9
Widowed	159,676	5.0	66,587	3.6	130,220	5.1	11,815	5.0
Divorced	13,922	0.4	4,630	0.2	4,216	0.2	887	0.4
Unknown	9,169	0.3	3,374	0.2	9,734	0.4	1,174	0.5
Females	3,292,690	100.0	2,023,534	100.0	2,208,535	100.0	229,987	100.0
Single	1,057,617	32.1	844,769	41.7	343,395	15.8	59,219	25.7
Married	1,852,408	56.3	987,130	48.8	1,541,876	69.8	135,197	58.8
Widowed	361,294	11.0	182,908	9.0	310,281	14.0	34,007	14.8
Divorced	17,108	0.5	6,134	0.3	4,919	0.2	1,190	0.5
Unknown	4,263	0.1	2,593	0.1	3,064	0.1	374	0.2
EAST NORTH CENTRAL								
Males	3,908,456	100.0	1,953,028	100.0	1,753,645	100.0	218,760	100.0
Single	1,396,227	35.7	806,506	41.3	419,937	23.9	76,969	35.2
Married	2,290,648	58.6	1,064,703	54.5	1,207,092	68.8	125,254	57.3
Widowed	175,973	4.5	65,350	3.4	112,807	6.4	13,075	6.0
Divorced	36,429	0.9	13,030	0.7	9,551	0.5	2,887	1.3
Unknown	9,179	0.2	2,939	0.2	4,168	0.2	575	0.3
Females	3,770,085	100.0	2,002,374	100.0	1,359,167	100.0	185,274	100.0
Single	1,068,181	28.3	665,130	33.2	148,405	10.9	33,781	18.2
Married	2,292,058	60.8	1,156,234	57.7	974,174	71.7	119,604	64.6
Widowed	365,386	9.7	163,530	8.2	226,814	16.7	28,657	15.5
Divorced	38,786	1.0	15,289	0.8	7,998	0.6	2,931	1.6
Unknown	5,674	0.2	2,191	0.1	1,776	0.1	301	0.2
WEST NORTH CENTRAL								
Males	2,367,289	100.0	1,225,560	100.0	761,089	100.0	112,538	100.0
Single	874,596	36.9	535,668	43.7	178,443	23.4	38,637	34.3
Married	1,364,601	57.6	646,061	52.7	514,637	67.6	63,551	56.5
Widowed	100,946	4.3	34,764	2.8	61,796	8.1	8,169	7.3
Divorced	19,004	0.8	6,412	0.5	4,242	0.6	1,752	1.6
Unknown	8,140	0.3	2,655	0.2	1,962	0.3	429	0.4
Females	2,263,984	100.0	1,206,290	100.0	575,368	100.0	102,372	100.0
Single	656,392	29.0	414,657	34.4	56,197	9.8	20,548	20.1
Married	1,379,396	60.9	702,907	58.3	404,122	70.2	62,061	60.6
Widowed	202,817	9.0	79,244	6.6	110,643	19.2	17,465	17.1
Divorced	21,270	0.9	7,790	0.6	3,466	0.6	2,062	2.0
Unknown	4,089	0.2	1,692	0.1	940	0.2	236	0.2

No. 24.—Marital Condition of Persons 15 Years of Age and Over, by Major Classes and Sex: By Geographic Divisions, 1920—Continued

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
SOUTH ATLANTIC								
Males	2,783,077	100.0	179,697	100.0	179,095	100.0	1,311,264	100.0
Single	972,859	35.0	74,986	41.7	54,376	30.4	433,051	33.1
Married	1,678,260	60.3	95,611	53.2	113,468	63.4	795,982	60.7
Widowed	116,616	4.2	7,948	4.4	10,063	5.6	72,281	5.5
Divorced	9,290	0.3	943	0.5	594	0.3	5,415	0.4
Unknown	6,052	0.2	209	0.1	594	0.3	3,935	0.3
Females	2,745,420	100.0	135,752	100.0	124,860	100.0	1,361,103	100.0
Single	783,803	28.5	63,953	34.4	17,911	14.3	355,986	26.2
Married	1,669,800	60.8	98,424	58.0	86,322	69.1	797,273	58.6
Widowed	275,545	10.0	22,188	11.9	20,054	16.1	195,668	14.4
Divorced	12,149	0.4	1,055	0.6	422	0.3	9,465	0.7
Unknown	4,123	0.2	132	0.1	151	0.1	2,711	0.2
EAST SOUTH CENTRAL								
Males	1,890,799	100.0	77,824	100.0	41,062	100.0	782,663	100.0
Single	621,430	32.8	26,448	34.0	9,531	23.2	236,391	30.2
Married	1,180,367	62.2	46,791	60.1	27,538	67.1	456,794	62.2
Widowed	84,210	4.4	3,956	5.1	3,694	9.0	50,380	6.4
Divorced	7,611	0.4	541	0.7	213	0.5	6,887	0.9
Unknown	3,181	0.2	88	0.1	86	0.2	2,211	0.3
Females	1,858,998	100.0	85,036	100.0	28,860	100.0	821,483	100.0
Single	484,438	26.1	25,804	30.3	3,654	12.7	192,268	23.4
Married	1,174,207	63.2	46,344	54.5	17,907	62.0	486,417	59.2
Widowed	187,356	10.1	12,180	14.3	7,110	24.7	127,085	15.6
Divorced	10,955	0.6	646	0.8	133	0.5	13,176	1.6
Unknown	2,040	0.1	62	0.1	47	0.2	1,037	0.2
WEST SOUTH CENTRAL								
Males	2,227,731	100.0	233,688	100.0	231,050	100.0	864,084	100.0
Single	771,816	34.6	92,425	39.6	70,114	30.3	264,818	30.8
Married	1,336,835	60.0	120,959	55.6	141,822	61.4	408,050	61.4
Widowed	97,489	4.4	9,335	4.0	16,643	7.2	41,453	6.2
Divorced	12,251	0.5	1,522	0.7	1,043	0.5	7,904	1.2
Unknown	9,340	0.4	447	0.2	1,428	0.6	1,859	0.3
Females	2,054,846	100.0	221,627	100.0	170,508	100.0	667,340	100.0
Single	515,544	25.1	65,938	29.8	29,519	17.3	151,058	22.6
Married	1,331,436	64.8	130,912	59.1	109,951	64.5	406,214	60.9
Widowed	189,767	9.2	22,805	10.3	30,011	17.6	94,624	14.2
Divorced	14,517	0.7	1,700	0.8	826	0.5	13,980	2.1
Unknown	3,582	0.2	272	0.1	291	0.2	1,464	0.2
MOUNTAIN								
Males	663,674	100.0	258,172	100.0	254,224	100.0	17,457	100.0
Single	249,428	37.6	106,906	41.4	88,352	34.8	9,724	55.7
Married	370,161	55.8	139,250	53.9	147,673	58.1	6,611	37.9
Widowed	29,378	4.4	8,821	3.4	14,852	5.8	756	4.3
Divorced	7,871	1.2	2,824	1.1	2,231	0.9	277	1.6
Unknown	6,836	1.0	371	0.1	1,116	0.4	89	0.5
Females	564,785	100.0	236,849	100.0	165,406	100.0	8,799	100.0
Single	143,474	25.4	65,753	27.8	18,424	11.1	1,383	15.7
Married	364,567	64.5	150,620	63.6	117,521	71.1	5,645	64.2
Widowed	48,411	8.6	17,526	7.4	27,816	16.8	1,515	17.2
Divorced	6,902	1.2	2,748	1.2	1,417	0.9	236	2.7
Unknown	1,431	0.3	202	0.1	228	0.1	22	0.3
PACIFIC								
Males	1,961,620	100.0	492,279	100.0	592,393	100.0	20,273	100.0
Single	382,982	30.1	219,188	44.5	212,541	35.9	7,420	36.6
Married	601,862	56.7	246,033	50.1	333,445	56.3	11,032	54.4
Widowed	49,663	4.7	17,336	3.5	34,838	5.9	1,214	6.0
Divorced	19,514	1.8	8,281	1.7	7,264	1.2	465	2.3
Unknown	7,599	0.7	841	0.2	4,305	0.7	142	0.7
Females	972,707	100.0	493,195	100.0	392,437	100.0	17,889	100.0
Single	238,204	24.5	151,183	30.7	52,790	13.5	3,182	17.8
Married	597,314	61.4	287,296	58.3	268,362	68.4	10,816	60.5
Widowed	115,178	11.8	45,023	9.1	65,525	16.7	3,310	18.5
Divorced	20,717	2.1	9,256	1.9	5,217	1.3	544	3.0
Unknown	1,294	0.1	437	0.1	543	0.1	37	0.2

Source: Bureau of the Census, Department of Commerce.

No. 25.—MARITAL CONDITION OF WHITE AND NEGRO PERSONS 15 YEARS OF AGE AND OVER: FOR EACH GEOGRAPHIC DIVISION AND FOR EACH STATE HAVING A NEGRO POPULATION OF OVER 5 PER CENT OF THE TOTAL, 1920

NOTE.—The small number unknown is not shown separately but included in the total. The number divorced is considered to be understated. For marital condition of white and negro population in the United States as a whole, see Table 23

Division and State	Male					Female				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
WHITE										
New England	2,579,527	922,169	1,503,393	135,613	14,184	2,651,460	852,597	1,468,950	310,241	17,145
Middle Atlantic	7,614,616	2,695,735	4,517,303	356,483	22,818	7,524,759	2,250,781	4,381,414	854,483	28,161
East North Central	7,615,129	2,622,670	4,562,443	354,720	59,010	7,131,626	1,881,716	4,422,486	755,730	69,073
West North Central	4,353,929	1,588,709	2,525,299	197,506	29,858	4,045,622	1,127,248	2,486,425	392,704	32,526
Missouri	1,144,084	381,364	693,383	57,400	8,914	1,119,217	294,063	685,054	127,769	10,460
South Atlantic	3,141,869	1,102,221	1,887,339	134,627	10,827	3,056,032	865,667	1,854,546	317,787	13,626
Delaware	70,203	23,460	42,683	3,495	266	66,875	17,204	41,470	7,716	317
Maryland	425,569	153,034	248,705	21,250	2,014	423,286	125,428	245,300	49,946	2,226
Dist. of Columbia	119,472	47,279	65,634	5,222	672	141,971	57,067	64,878	18,707	1,049
Virginia	534,210	197,003	312,353	22,109	1,814	510,912	149,699	306,858	51,631	2,265
West Virginia	452,803	159,161	272,142	18,116	2,120	405,240	104,608	263,150	34,205	2,362
North Carolina	538,513	183,575	331,669	21,072	834	536,462	155,897	328,200	49,882	1,302
South Carolina	254,087	91,318	151,810	10,343	242	246,451	71,126	149,402	25,199	337
Georgia	528,044	176,539	327,534	21,695	1,576	520,175	137,769	323,144	56,451	2,358
Florida	218,908	70,852	134,809	11,325	1,289	204,660	46,809	132,144	24,050	1,360
East South Central	2,015,685	657,409	1,254,696	91,860	8,365	1,972,892	513,896	1,238,458	206,655	11,734
Kentucky	709,888	231,735	438,622	34,623	3,820	686,568	175,976	432,702	72,420	4,770
Tennessee	597,593	190,278	376,005	28,100	2,476	594,613	155,111	371,420	63,684	3,937
Alabama	442,513	144,772	277,585	18,009	1,438	432,489	111,919	273,709	44,223	2,050
Mississippi	265,691	90,624	162,484	11,128	631	259,222	70,890	160,627	26,328	968
West South Central	2,692,469	934,355	1,608,616	123,467	14,816	2,447,071	611,001	1,572,299	242,583	17,043
Arkansas	403,252	127,753	252,047	20,520	2,136	374,035	84,939	248,179	38,018	2,410
Louisiana	354,944	131,943	204,865	15,130	1,207	341,713	99,866	201,259	38,238	1,546
Oklahoma	606,270	197,984	373,295	27,734	4,576	532,663	118,745	364,250	43,983	4,737
Texas	1,328,003	476,675	778,409	60,083	6,897	1,198,660	307,451	758,611	122,344	8,350
Mountain	1,176,070	444,686	657,084	53,051	12,926	967,040	227,651	632,708	93,753	11,067
Pacific	2,146,292	814,711	1,181,940	101,837	35,059	1,858,338	442,177	1,152,972	225,728	35,190
NEGRO										
New England	30,498	11,870	16,732	1,591	215	28,853	7,833	15,954	4,732	287
Middle Atlantic	235,674	85,397	136,401	11,315	887	229,937	59,219	135,197	34,007	1,190
East North Central	218,760	76,969	125,254	13,075	2,887	185,274	33,781	119,604	28,657	2,931
West North Central	112,538	38,637	63,551	8,169	1,752	102,372	20,548	62,061	17,465	2,066
Missouri	71,577	24,609	40,331	5,375	978	67,090	13,966	39,772	11,991	1,172
South Atlantic	1,311,264	433,651	795,982	72,281	5,415	1,361,103	355,986	797,273	195,668	9,465
Delaware	11,359	4,318	6,157	768	41	10,229	2,758	5,998	1,378	41
Maryland	86,565	31,320	49,116	5,511	426	83,250	21,767	48,723	12,138	474
Dist. of Columbia	38,916	13,354	22,801	2,387	208	46,434	13,244	23,686	9,051	332
Virginia	217,056	77,781	125,347	12,252	1,124	219,836	61,380	125,550	30,828	1,031
West Virginia	34,727	13,730	18,920	1,556	313	26,313	5,500	17,652	2,789	273
North Carolina	214,825	73,172	130,114	10,357	482	229,671	68,505	130,537	28,963	1,009
South Carolina	237,928	77,126	148,780	11,062	355	257,502	72,308	149,187	34,653	938
Georgia	356,516	105,681	226,716	20,604	1,665	379,907	88,081	238,351	59,376	3,568
Florida	113,372	36,169	68,031	7,784	801	107,961	22,443	67,589	16,492	1,199
East South Central	782,663	236,391	486,794	50,380	6,887	821,483	192,268	486,417	127,985	12,176
Kentucky	85,538	28,509	48,898	6,664	1,318	84,104	19,073	48,345	14,955	1,621
Tennessee	147,594	45,423	89,625	10,714	1,495	154,408	35,418	90,448	25,599	2,739
Alabama	267,539	81,556	166,488	16,398	2,043	288,197	70,327	166,443	46,129	4,590
Mississippi	281,992	80,903	181,783	16,604	2,031	294,774	67,450	181,181	41,302	4,226
West South Central	664,084	204,818	408,050	41,453	7,904	667,340	151,058	408,214	94,624	13,980
Arkansas	152,509	43,422	96,929	10,069	1,818	151,400	31,135	96,121	20,931	2,958
Louisiana	219,800	68,948	136,856	11,991	1,311	229,290	55,308	137,442	33,003	2,869
Oklahoma	49,426	15,383	29,557	3,561	712	46,426	10,246	29,013	6,096	945
Texas	242,289	77,065	144,708	15,832	4,063	240,224	54,369	143,638	34,594	7,208
Mountain	17,457	9,724	6,611	756	277	8,799	1,383	5,645	1,513	236
Pacific	20,273	7,420	11,032	1,214	465	17,889	3,182	10,816	3,310	544

Source: Bureau of the Census, Department of Commerce.

No. 26.—MARITAL CONDITION OF PERSONS

NOTE.—The number divorced

Division and State	Males 15 years of age and over								
	Number						Per cent of total		
	Total	Single	Married	Widowed	Divorced	Unknown	Single	Married	Widowed
Continental United States.	36, 920, 663	12, 867, 565	21, 849, 266	1, 758, 308	235, 284	110, 240	35. 1	59. 2	4. 8
New England	2, 614, 119	935 019	1, 522, 214	137, 307	14, 408	4, 271	35. 8	58. 2	5. 3
Maine	279, 478	92, 085	166, 171	18, 123	2, 028	471	32. 9	59. 5	6. 5
New Hampshire	161, 931	54, 583	94, 791	10, 324	1, 702	366	33. 8	58. 5	6. 4
Vermont	127, 905	41, 894	76, 310	8, 372	1, 171	158	32. 8	59. 7	6. 5
Massachusetts	1, 347, 788	496, 607	775, 687	67, 582	5, 825	1, 997	36. 9	57. 6	5. 0
Rhode Island	210, 543	77, 209	121, 208	10, 711	1, 226	129	36. 7	57. 6	5. 1
Connecticut	486, 474	173, 286	288, 047	22, 195	1, 796	1, 150	35. 6	59. 2	4. 6
Middle Atlantic	7, 863, 502	2, 788, 883	4, 658, 707	366, 584	23, 737	23, 611	35. 5	59. 2	4. 7
New York	3, 732, 828	1, 350, 088	2, 183, 536	173, 113	10, 166	16, 925	36. 2	58. 5	4. 6
New Jersey	1, 110, 387	382, 481	672, 749	50, 577	2, 593	1, 987	34. 4	60. 6	4. 6
Pennsylvania	3, 020, 287	1, 056, 294	1, 802, 422	144, 894	10, 978	5, 699	35. 0	59. 7	4. 8
East North Central	7, 844, 794	2, 704, 777	4, 692, 684	363, 357	61, 984	16, 992	34. 5	59. 8	4. 7
Ohio	2, 125, 426	712, 996	1, 290, 796	101, 596	17, 225	2, 813	33. 5	60. 7	4. 8
Indiana	1, 059, 899	327, 582	663, 577	55, 549	10, 330	2, 852	30. 9	62. 6	5. 2
Illinois	2. 347, 493	830, 251	1, 387, 092	107, 204	16, 587	6, 359	35. 4	59. 1	4. 6
Michigan	1, 371, 116	474, 065	820, 071	62, 418	12, 358	2, 204	34. 6	59. 8	4. 6
Wisconsin	940, 800	359, 883	531, 148	41, 590	5, 475	2, 704	38. 3	56. 5	4. 4
West North Central	4, 480, 690	1, 632, 528	2, 596, 866	206, 487	31, 535	13, 294	36. 4	58. 0	4. 6
Minnesota	868, 738	365, 880	460, 829	35, 687	4, 134	2, 208	42. 1	53. 0	4. 1
Iowa	805, 407	303, 626	512, 060	40, 763	6, 944	2, 014	35. 1	59. 2	4. 7
Missouri	1, 216, 243	406, 275	733, 960	62, 793	9, 895	3, 320	33. 4	60. 3	5. 2
North Dakota	214, 001	87, 934	116, 254	7, 765	815	1, 233	41. 1	54. 3	3. 6
South Dakota	224, 873	89, 284	123, 995	9, 000	1, 272	1, 322	39. 7	55. 1	4. 0
Nebraska	461, 298	169, 428	267, 199	19, 715	3, 231	1, 725	36. 7	57. 9	4. 3
Kansas	630, 130	210, 101	382, 569	30, 744	5, 244	1, 472	33. 3	60. 7	4. 9
South Atlantic	4, 459, 049	1, 538, 338	2, 686, 520	207, 103	16, 262	10, 826	34. 5	60. 2	4. 6
Delaware	81, 611	27, 815	48, 850	4, 264	307	375	34. 1	59. 9	5. 2
Maryland	512, 513	184, 547	297, 995	26, 771	2, 440	760	36. 0	58. 1	5. 2
District of Columbia	159, 013	60, 976	88, 598	7, 616	884	839	38. 3	55. 8	4. 8
Virginia	761, 890	275, 096	437, 986	34, 381	2, 940	1, 487	36. 0	58. 3	4. 6
West Virginia	437, 684	172, 948	291, 096	19, 674	2, 434	1, 532	35. 5	59. 7	4. 0
North Carolina	755, 631	257, 881	463, 809	31, 539	1, 322	2, 080	34. 1	61. 3	4. 2
South Carolina	492, 228	168, 536	300, 701	21, 413	597	981	34. 2	61. 1	4. 4
Georgia	884, 801	283, 338	554, 356	42, 314	3, 242	1, 551	32. 0	62. 7	4. 8
Florida	332, 678	107, 201	203, 029	19, 131	2, 096	1, 221	32. 2	61. 0	5. 8
East South Central	2, 799, 332	894, 179	1, 742, 015	142, 301	15, 230	5, 577	31. 9	62. 2	5. 1
Kentucky	795, 502	260, 277	487, 561	41, 289	5, 138	1, 237	32. 7	61. 3	5. 2
Tennessee	745, 280	235, 742	465, 672	38, 823	3, 971	1, 072	31. 6	62. 5	5. 2
Alabama	710, 229	226, 302	444, 168	34, 420	3, 486	1, 763	31. 9	62. 5	4. 8
Mississippi	548, 321	171, 708	344, 614	27, 769	2, 635	1, 505	31. 3	62. 8	5. 1
West South Central	3, 375, 278	1, 145, 995	2, 027, 272	168, 009	22, 863	13, 143	34. 0	60. 1	4. 9
Arkansas	555, 957	171, 241	349, 040	30, 594	3, 954	1, 128	30. 8	62. 8	5. 5
Louisiana	575, 500	201, 248	342, 062	27, 170	2, 519	2, 501	35. 0	59. 4	4. 7
Oklahoma	671, 835	219, 012	412, 202	32, 252	5, 423	2, 946	32. 6	61. 4	4. 8
Texas	1, 571, 981	554, 494	923, 968	75, 984	10, 967	6, 568	35. 3	58. 8	4. 8
Mountain	1, 228, 847	467, 345	683, 164	56, 174	13, 432	8, 732	38. 0	55. 6	4. 6
Montana	209, 491	84, 007	113, 159	8, 590	2, 324	1, 411	40. 1	54. 0	4. 1
Idaho	156, 167	59, 795	87, 969	6, 409	1, 667	327	38. 3	56. 3	4. 1
Wyoming	79, 366	33, 171	41, 408	3, 180	966	641	41. 8	52. 2	4. 0
Colorado	350, 813	123, 473	200, 800	17, 592	4, 378	4, 570	35. 2	57. 2	5. 0
New Mexico	123, 167	45, 425	68, 973	7, 583	944	242	36. 9	56. 0	6. 2
Arizona	127, 117	51, 329	67, 735	6, 182	1, 166	705	40. 4	53. 3	4. 9
Utah	146, 262	53, 294	86, 397	5, 078	1, 246	247	36. 4	59. 1	3. 5
Nevada	36, 464	16, 851	16, 723	1, 560	741	589	46. 2	45. 9	4. 3
Pacific	2, 255, 117	859, 621	1, 239, 324	106, 015	35, 803	13, 354	38. 1	55. 0	4. 7
Washington	546, 019	212, 021	298, 950	23, 915	8, 602	2, 531	38. 8	54. 8	4. 4
Oregon	303, 126	112, 181	175, 423	14, 474	5, 633	415	36. 4	56. 9	4. 7
California	1, 400, 972	535, 419	765, 451	67, 626	21, 568	10, 908	38. 2	54. 6	4. 8

Source: Bureau of the Census, Department of Commerce.

15 YEARS OF AGE AND OVER: By States, 1920

is considered to be understated

Females 15 years of age and over									Division and State
Number						Per cent of total			
Total	Single	Married	Widowed	Divorced	Unknown	Single	Married	Widowed	
35,177,515	9,616,902	21,318,933	3,917,625	273,304	50,751	27.3	60.6	11.1	U. S.
2,681,138	860,653	1,485,377	315,093	17,441	2,574	32.1	55.4	11.6	N. E.
271,764	72,159	162,623	34,017	2,685	280	26.6	59.8	12.5	Me.
161,208	46,292	92,358	20,431	1,845	287	28.7	57.3	12.7	N. H.
123,982	32,397	74,505	15,989	1,014	77	26.1	60.1	12.9	Vt.
1,425,443	490,170	758,897	167,253	8,000	1,123	34.4	53.2	11.7	Mass.
219,409	74,098	118,772	24,577	1,834	128	33.8	54.1	11.2	R. I.
479,332	145,537	278,227	52,826	2,063	679	30.4	58.0	11.0	Conn.
7,757,457	2,310,805	4,518,248	888,739	29,367	10,298	29.8	58.2	11.5	M. A.
3,767,540	1,164,525	2,134,604	448,670	13,562	6,179	30.9	56.7	11.9	N. Y.
1,092,623	311,293	663,587	123,076	3,297	1,370	28.5	59.8	11.3	N. J.
2,897,294	834,987	1,730,057	316,993	12,508	2,749	28.8	59.7	10.9	Pa.
7,321,883	1,916,579	4,545,175	785,038	65,090	9,951	26.2	62.1	10.7	E. N. C.
1,990,701	507,550	1,241,461	221,755	18,466	1,479	25.5	62.4	11.1	Ohio.
1,021,915	244,659	650,187	114,244	10,723	2,102	23.9	63.6	11.2	Ind.
2,242,120	617,873	1,353,118	247,985	19,275	3,869	27.6	60.3	11.1	Ill.
1,198,037	285,297	782,648	118,412	10,768	912	23.8	65.3	9.9	Mich.
869,060	261,200	517,771	82,642	5,858	1,589	30.1	59.6	9.5	Wis.
4,159,479	1,150,373	2,555,896	411,472	34,727	7,011	27.7	61.4	9.9	W. N. C.
774,433	248,592	450,785	68,945	4,843	1,268	32.1	58.2	8.9	Minn.
819,947	224,706	505,294	81,118	7,510	1,319	27.4	61.6	9.9	Iowa.
1,186,407	308,051	724,886	139,774	11,639	2,057	26.0	61.1	11.8	Mo.
181,460	54,685	113,843	11,618	735	569	30.1	62.7	6.4	N. Dak
190,812	53,858	121,408	13,862	1,128	556	28.2	63.6	7.3	S. Dak.
419,146	113,867	263,890	37,298	3,368	723	27.2	63.0	8.9	Nebr.
587,284	146,614	375,790	58,857	5,504	519	25.0	64.0	10.0	Kans.
4,420,837	1,222,561	2,654,236	513,797	23,110	7,133	27.7	60.0	11.6	S. A.
77,105	19,962	47,469	9,094	358	222	25.9	61.6	11.8	Del.
506,569	147,204	294,043	62,087	2,700	535	29.1	58.0	12.3	Md.
188,466	70,330	88,602	27,761	1,381	392	37.3	47.0	14.7	D. C.
730,985	211,140	432,557	82,483	3,898	907	28.9	59.2	11.3	Va.
431,564	110,169	280,811	36,995	2,635	954	25.5	65.1	8.6	W. Va.
769,185	225,149	460,742	79,118	2,325	1,851	29.3	59.9	10.3	N. C.
504,048	143,457	298,048	59,865	1,325	753	28.5	59.2	11.9	S. C.
900,117	225,856	551,522	115,829	5,926	984	25.1	61.3	12.9	Ga.
312,798	69,294	199,842	40,565	2,562	535	22.2	63.9	13.0	Fla.
2,794,845	706,289	1,725,179	334,697	24,914	3,786	25.3	61.7	12.0	E. S. C.
770,695	195,055	481,060	87,378	6,392	810	25.3	62.4	11.3	Ky.
749,045	190,536	461,883	89,285	6,676	665	25.4	61.7	11.9	Tenn.
720,780	182,268	440,207	90,360	6,649	1,287	25.3	61.1	12.5	Ala.
554,325	138,410	342,029	67,665	5,197	1,024	25.0	61.7	12.2	Miss.
3,131,029	766,117	1,988,774	339,238	31,236	5,664	24.5	63.5	10.8	W. S. C.
525,477	116,084	344,325	58,954	5,370	744	22.1	65.5	11.2	Ark.
571,330	155,276	338,897	71,278	4,416	1,472	27.2	59.3	12.5	La.
594,679	132,818	402,863	51,984	5,886	1,128	22.3	67.7	8.7	Okla.
1,439,534	361,939	902,689	157,022	15,564	2,320	25.1	62.7	10.9	Tex.
1,000,086	238,884	654,476	98,277	11,510	1,959	23.4	65.4	9.8	Mt.
160,626	37,036	108,119	13,388	1,821	261	23.1	67.3	8.3	Mont.
123,287	28,124	84,554	9,301	1,146	72	22.8	68.6	7.6	Idaho.
54,169	11,120	38,172	4,089	660	128	20.5	70.5	7.5	Wyo.
307,458	73,093	195,193	34,186	4,052	923	23.8	63.5	11.1	Colo.
103,503	24,993	66,577	10,832	942	159	24.1	64.3	10.5	N. Mex.
95,671	20,170	63,085	10,808	852	156	21.1	66.6	11.3	Ariz.
133,642	35,127	83,713	13,168	1,531	103	26.3	62.6	9.9	Utah.
21,731	4,196	14,463	2,415	500	157	19.3	66.6	11.1	Nev.
1,910,811	449,661	1,191,572	231,274	35,909	2,375	23.5	62.4	12.1	Pac.
438,357	100,343	287,871	41,889	7,816	438	22.9	65.7	9.6	Wash.
261,847	60,142	170,069	26,514	4,988	134	23.0	64.9	10.1	Oreg.
1,210,607	289,196	733,632	162,871	23,105	1,803	23.9	60.6	13.5	Calif.

No. 27.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1910 AND 1920, AND BY GEOGRAPHIC DIVISIONS, 1920

NOTE.—For definition of urban population, see Table 39. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age

Division, sex, and age	All classes [1]		Native white, native parentage		Native white, foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
United States, 1910	5,516,163	7.7	1,378,864	3.7	155,388	1.1	1,650,361	12.7	2,227,731	30.4
10 to 20 years	946,146	4.7	265,457	2.3	36,470	0.8	142,868	11.1	485,083	20.0
21 years and over	4,570,017	8.9	1,113,427	4.3	118,918	1.3	1,507,493	12.9	1,742,648	35.7
Urban, total	1,748,830	5.1	128,937	0.9	58,964	0.7	1,157,624	12.5	392,974	17.6
Rural, total	3,767,333	10.1	1,249,947	5.4	96,424	1.9	492,737	13.3	1,834,757	30.0
United States, 1920	4,931,905	6.0	1,109,875	2.5	132,687	0.8	1,763,740	13.1	1,842,161	22.9
Males	2,540,209	6.0	614,612	2.7	70,095	0.8	896,822	11.7	942,368	23.5
Females	2,391,696	5.9	495,263	2.3	62,602	0.7	866,918	14.8	899,793	22.3
10 to 20 years	598,794	2.7	171,564	1.3	30,339	0.6	66,595	5.7	329,174	13.0
21 years and over	4,333,111	7.1	938,311	3.0	102,358	0.9	1,707,145	13.7	1,512,987	27.4
Urban, total	1,955,112	4.4	155,493	0.8	55,620	0.5	1,337,520	13.0	402,170	13.4
10 to 20 years	87,671	0.9	19,294	0.4	10,441	0.3	27,490	3.6	29,875	14.4
21 years and over	1,867,441	5.5	136,199	1.0	45,179	0.6	1,300,030	13.8	372,295	16.0
Rural, total	2,976,793	7.7	954,382	3.8	77,077	1.4	426,220	13.8	1,439,991	26.5
10 to 20 years	511,123	4.3	152,270	1.9	19,898	1.2	29,105	12.7	299,299	16.1
21 years and over	2,465,670	9.1	802,112	4.8	57,179	1.5	407,115	13.3	1,140,692	35.7
New England	289,700	4.9	13,185	0.6	13,759	0.8	257,207	14.0	4,607	7.1
10 to 20 years	8,574	0.7	2,127	0.4	1,954	0.3	4,623	3.4	141	1.1
21 years and over	280,826	6.1	11,058	0.6	11,805	1.1	252,584	14.8	4,466	8.5
Urban, total	245,299	5.2	4,880	0.3	9,054	0.6	226,504	14.0	4,057	6.9
Rural, total	44,401	3.6	8,305	1.1	4,705	1.9	30,703	13.7	550	9.0
Middle Atlantic	865,382	4.9	52,924	0.7	24,048	0.5	760,010	15.7	25,597	5.0
10 to 20 years	21,809	0.5	5,481	0.3	4,384	0.3	10,783	2.9	1,056	1.1
21 years and over	843,582	6.3	47,443	0.9	19,664	0.6	749,227	16.7	24,531	6.0
Urban, total	691,226	5.2	19,420	0.4	15,361	0.4	634,749	15.1	19,643	4.4
Rural, total	174,156	4.0	33,504	1.2	8,687	1.1	125,261	18.9	5,944	9.0
East North Central	495,470	2.9	93,793	1.0	28,390	0.6	342,832	10.6	32,052	7.3
10 to 20 years	15,232	0.4	7,421	0.3	3,030	0.2	3,667	1.8	968	1.2
21 years and over	480,238	3.7	81,372	1.3	25,360	0.8	339,165	11.4	31,084	8.7
Urban, total	351,628	3.3	30,787	0.7	12,848	0.4	280,567	11.3	26,308	6.8
Rural, total	143,842	2.2	58,006	1.3	15,542	1.0	62,265	8.8	5,744	10.8
West North Central	193,221	2.0	59,954	1.1	14,678	0.5	86,780	6.4	24,887	10.5
10 to 20 years	12,605	0.5	6,708	0.4	1,956	0.3	2,162	3.2	1,337	2.7
21 years and over	180,616	2.5	53,246	1.4	12,722	0.6	84,598	6.5	23,550	12.5
Urban, total	79,415	2.0	12,917	0.6	4,846	0.5	45,303	7.5	15,907	8.6
Rural, total	113,806	1.9	47,037	1.4	9,832	0.6	41,457	5.5	8,980	16.9
South Atlantic	1,212,942	11.5	352,907	5.4	3,878	0.9	39,767	12.8	812,842	26.2
10 to 20 years	206,178	6.2	55,312	2.7	605	0.5	972	4.0	148,607	13.4
21 years and over	1,006,764	14.0	297,595	6.6	3,273	1.1	38,785	13.5	664,235	31.6
Urban, total	227,055	6.4	37,271	1.8	1,949	0.6	24,690	11.2	162,827	17.2
Rural, total	985,887	14.1	315,636	7.0	1,929	1.9	15,067	16.4	650,015	28.6
East South Central	845,450	12.7	299,025	6.9	2,626	1.5	6,457	9.1	536,583	27.9
10 to 20 years	145,361	6.8	46,091	3.1	235	0.8	208	5.2	98,580	15.4
21 years and over	700,008	15.5	252,934	8.4	2,391	1.6	6,249	9.3	438,003	34.1
Urban, total	126,354	7.7	22,409	2.3	1,003	0.8	4,026	8.4	98,864	20.6
Rural, total	719,105	14.3	276,616	7.8	1,623	3.2	2,431	10.5	437,719	30.3
West South Central	773,637	10.0	199,408	3.9	35,021	6.6	128,725	20.9	402,233	25.3
10 to 20 years	132,274	6.5	42,231	2.5	15,691	9.9	24,640	33.8	78,364	14.9
21 years and over	611,363	11.7	157,177	4.5	19,330	5.2	104,076	29.1	323,869	30.5
Urban, total	146,820	6.1	19,307	1.3	6,819	2.8	47,788	23.1	72,307	16.1
Rural, total	626,817	11.8	180,101	5.0	28,202	9.7	80,937	36.3	329,836	29.0
Mountain	132,669	5.2	35,163	2.4	5,697	1.0	55,422	12.7	1,457	5.3
10 to 20 years	19,275	2.9	5,027	1.1	1,620	1.0	5,463	12.9	71	1.8
21 years and over	113,384	6.0	30,136	3.0	4,077	1.0	49,959	12.7	1,386	5.8
Urban, total	25,395	2.6	4,957	0.9	1,473	0.6	17,096	9.7	701	4.8
Rural, total	107,264	6.8	30,206	3.3	4,224	1.3	38,326	14.8	756	5.8
Pacific	123,435	2.7	8,518	0.4	4,800	0.4	86,570	8.6	1,913	4.6
10 to 20 years	7,195	0.8	1,166	0.2	864	0.3	4,068	5.7	50	0.7
21 years and over	116,240	3.2	7,360	0.4	3,736	0.4	82,502	8.8	1,863	5.4
Urban, total	61,920	2.1	3,545	0.3	2,267	0.3	46,797	7.0	1,466	4.1
Rural, total	61,515	3.7	4,971	0.6	2,533	0.6	39,773	11.6	447	8.5

[1] Includes Indians, Chinese, Japanese, and other nonwhites.

Source: Bureau of the Census, Department of Commerce.

No. 28.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEARS OF AGE AND OVER: BY STATES

Division and State	Number of illiterate persons 10 years of age and over						Illiterate persons of voting age	
	All classes [1]			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
Continental United States	4,931,905	2,540,209	2,391,696	1,242,572	1,763,740	1,842,161	2,192,368	2,140,743
New England	289,700	140,280	149,420	26,944	257,207	4,807	135,882	144,944
Maine	20,240	12,421	7,819	8,396	11,604	64	11,310	7,262
New Hampshire	15,788	8,246	7,542	1,973	13,746	33	7,973	7,284
Vermont	8,488	5,156	3,332	3,613	4,837	28	4,957	3,105
Massachusetts	146,607	68,423	78,184	7,780	135,720	2,566	66,729	76,021
Rhode Island	31,312	14,168	17,144	2,255	28,169	839	13,723	16,596
Connecticut	67,265	31,866	35,399	2,927	63,131	1,078	31,190	34,586
Middle Atlantic	865,382	413,458	451,924	76,972	760,010	25,587	403,400	440,182
New York	425,022	188,353	236,669	28,406	389,603	5,032	184,213	231,146
New Jersey	127,661	61,546	66,115	9,696	111,595	5,910	60,076	64,282
Pennsylvania	312,699	163,559	149,140	38,870	258,812	14,645	159,111	144,754
East North Central	495,470	262,638	232,832	117,183	342,832	32,052	253,976	226,262
Ohio	131,006	72,627	58,379	33,726	84,387	12,715	70,102	56,543
Indiana	52,034	28,864	23,170	27,929	17,555	6,476	27,714	22,433
Illinois	173,967	86,698	87,289	30,907	131,996	10,476	84,059	85,068
Michigan	88,046	48,173	39,873	14,172	70,535	2,203	45,811	38,802
Wisconsin	50,397	26,276	24,121	10,449	38,359	182	25,290	23,416
West North Central	193,221	101,744	91,477	74,632	86,760	24,887	94,196	86,420
Minnesota	34,487	17,413	17,074	5,955	26,212	241	16,473	16,396
Iowa	20,680	11,353	9,327	8,275	11,004	1,283	10,608	8,836
Missouri	83,403	45,444	37,959	47,066	17,669	18,528	41,625	35,723
North Dakota	9,937	4,681	5,256	1,307	7,238	16	4,365	5,008
South Dakota	8,109	3,806	4,303	1,490	3,848	35	3,540	4,100
Nebraska	13,784	6,999	6,785	3,360	9,468	556	6,507	6,465
Kansas	22,821	12,048	10,773	7,179	11,291	4,228	11,078	9,892
South Atlantic	1,212,942	637,980	574,962	356,785	32,757	812,842	512,165	494,599
Delaware	10,508	5,697	4,811	2,427	3,373	4,709	5,447	4,641
Maryland	64,434	33,435	30,999	15,368	13,575	35,404	30,091	28,786
Dist. of Columbia	10,500	4,345	6,164	640	1,728	8,053	4,185	6,005
Virginia	195,159	107,374	87,785	70,475	2,150	122,322	86,819	75,557
West Virginia	69,413	40,896	28,517	44,324	14,548	10,513	35,027	25,541
North Carolina	241,603	125,302	116,301	104,844	474	133,674	102,402	102,090
South Carolina	220,667	110,425	110,242	38,742	391	181,422	86,614	92,808
Georgia	328,838	173,254	155,584	66,796	861	261,115	131,003	130,291
Florida	71,811	37,252	34,559	13,169	2,657	55,639	29,677	28,820
East South Central	845,459	447,071	398,388	301,661	6,457	536,583	359,074	341,024
Kentucky	155,014	86,495	68,519	112,206	2,244	40,548	74,405	61,830
Tennessee	182,629	98,852	83,777	101,809	1,263	79,532	80,491	72,672
Alabama	278,082	140,991	137,091	65,394	1,893	210,690	111,997	116,568
Mississippi	229,734	120,733	109,001	22,242	1,057	205,813	92,181	89,954
West South Central	773,637	400,795	372,842	234,429	128,725	402,233	310,753	300,610
Arkansas	121,837	65,969	57,878	41,411	1,145	79,245	50,376	49,037
Louisiana	299,092	148,081	151,011	81,957	9,707	206,730	110,821	119,159
Oklahoma	56,804	32,347	24,517	30,418	5,456	14,205	26,718	21,358
Texas	295,844	156,408	139,436	80,643	112,417	102,053	122,838	111,056
Mountain	132,659	66,395	66,264	40,860	55,422	1,457	56,917	56,467
Montana	9,544	5,357	4,187	1,067	5,178	87	5,076	3,995
Idaho	4,924	3,085	1,839	914	2,501	44	2,854	1,656
Wyoming	3,149	2,180	969	421	2,233	66	2,049	891
Colorado	24,208	11,587	12,621	8,624	14,224	619	10,558	11,522
New Mexico	41,637	18,235	23,402	25,519	7,250	228	15,050	19,902
Arizona	39,131	19,984	19,147	3,233	19,291	338	15,847	14,789
Utah	6,264	3,678	2,586	925	3,504	59	3,342	2,337
Nevada	3,802	2,289	1,513	157	1,241	16	2,141	1,375
Pacific	123,435	69,848	53,587	13,116	86,570	1,813	66,005	50,235
Washington	18,526	10,479	8,047	2,379	11,630	245	10,039	7,738
Oregon	9,317	5,589	3,728	1,990	5,172	89	5,357	3,548
California	95,592	53,780	41,812	8,747	69,768	1,579	50,609	38,949

[1] The total includes 83,432 illiterate persons among the Indians, Chinese, Japanese and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

No. 29.—PERCENTAGE OF ILLITERACY: BY STATES

Division and State	Per cent illiterate among persons 10 years of age and over										Per cent illiterate among persons of voting age, 1920	
	All classes		Male	Female	Native white		Foreign-born white		Negro			
	1910	1920	1920	1920	1910	1920	1910	1920	1910	1920	Males	Females
Continental United States	7.7	6.0	6.0	5.9	3.0	2.0	13.7	13.1	30.4	22.9	7.0	7.3
New England	5.3	4.9	4.8	5.0	0.9	0.7	13.8	14.0	7.8	7.1	6.0	6.2
Maine	4.1	3.3	3.9	2.5	2.0	1.6	13.7	11.1	8.0	5.9	4.7	3.1
New Hampshire	4.6	4.4	4.5	4.2	1.1	0.7	14.5	15.4	10.6	6.7	5.6	5.2
Vermont	3.7	3.0	3.6	2.4	1.9	1.5	13.1	11.3	4.8	6.2	4.6	3.0
Massachusetts	6.2	4.7	4.5	4.9	0.5	0.4	12.7	12.8	8.1	6.8	5.7	6.1
Rhode Island	7.7	6.5	6.0	7.0	1.3	0.7	17.3	16.5	9.5	10.2	7.6	8.8
Connecticut	6.0	6.2	5.8	6.6	0.6	0.4	15.4	17.0	6.3	6.2	7.4	8.4
Middle Atlantic	5.7	4.9	4.7	5.1	1.0	0.6	15.8	15.7	7.9	5.0	5.9	6.6
New York	5.5	5.1	4.5	5.6	0.8	0.5	13.7	14.2	5.0	2.9	5.7	7.1
New Jersey	5.6	5.1	4.9	5.3	0.9	0.6	14.7	15.3	9.9	6.1	6.3	6.9
Pennsylvania	5.9	4.6	4.7	4.5	1.3	0.8	20.1	18.9	9.1	6.1	6.2	5.9
East North Central	3.4	3.9	3.0	2.8	1.4	0.9	10.1	10.8	11.0	7.3	3.7	3.6
Ohio	3.2	2.8	3.0	2.6	1.5	0.9	11.5	12.6	11.1	8.1	3.8	3.3
Indiana	3.1	2.2	2.4	2.0	2.1	1.3	11.7	11.8	13.7	9.5	3.0	2.6
Illinois	3.7	3.4	3.3	3.4	1.3	0.8	10.1	11.0	10.5	6.7	4.1	4.4
Michigan	3.3	3.0	3.1	2.9	1.1	0.7	9.3	9.9	5.7	4.2	3.9	3.8
Wisconsin	3.2	2.4	2.5	2.4	0.9	0.7	8.7	8.4	4.5	4.1	3.2	3.2
West North Central	2.9	3.0	2.0	1.9	1.4	0.9	7.6	8.4	14.9	10.5	2.5	2.5
Minnesota	3.0	1.8	1.8	1.9	0.5	0.4	7.6	5.4	3.4	3.1	2.2	2.6
Iowa	1.7	1.1	1.2	1.0	0.8	0.5	6.3	4.9	10.3	8.1	1.4	1.3
Missouri	4.3	3.0	3.3	2.8	2.9	2.0	10.1	9.6	17.4	12.1	4.0	3.6
North Dakota	3.1	2.1	1.9	2.4	0.5	0.4	6.3	5.6	4.8	4.0	2.5	3.5
South Dakota	2.9	1.7	1.5	1.9	0.4	0.4	5.0	4.7	5.5	5.2	1.9	2.6
Nebraska	1.9	1.4	1.3	1.4	0.6	0.4	7.1	6.4	7.2	4.8	1.7	1.9
Kansas	2.2	1.6	1.7	1.6	0.8	0.6	10.5	10.5	12.0	8.8	2.1	2.0
South Atlantic	16.0	11.5	12.1	11.0	7.6	5.1	13.5	12.8	32.5	25.2	14.0	13.9
Delaware	8.1	5.9	6.2	5.6	2.9	1.8	19.8	17.3	25.6	19.1	7.7	7.0
Maryland	7.2	5.6	5.7	5.4	2.6	1.8	11.9	13.4	23.4	18.2	6.9	6.7
District of Columbia	4.9	2.8	2.5	3.0	0.5	0.3	8.2	6.1	13.5	8.6	3.0	3.6
Virginia	15.2	11.2	12.1	10.2	8.0	5.9	9.2	7.1	30.0	23.5	14.1	12.7
West Virginia	8.3	6.4	7.2	5.6	6.4	4.6	23.9	24.0	20.3	15.3	8.9	7.3
North Carolina	18.5	13.1	13.7	12.5	12.3	8.2	8.3	6.8	31.9	24.5	17.0	16.8
South Carolina	25.7	18.1	18.3	17.9	10.3	6.5	6.8	6.2	38.7	29.3	22.3	23.8
Georgia	20.7	15.3	16.2	14.4	7.8	5.4	6.0	5.4	36.5	29.1	18.4	18.4
Florida	13.8	9.6	9.6	9.5	5.0	2.9	10.5	6.3	26.5	21.6	10.6	11.3
East South Central	17.4	12.7	13.3	12.0	9.2	6.4	9.7	9.1	34.8	27.9	15.7	15.9
Kentucky	12.1	8.4	9.3	7.6	10.0	7.0	8.3	7.3	27.6	21.0	11.3	9.8
Tennessee	13.6	10.3	11.2	9.5	9.7	7.3	8.3	8.3	27.3	22.4	13.2	12.0
Alabama	22.9	16.1	16.4	15.8	9.9	6.3	11.3	10.9	40.1	31.3	19.5	20.5
Mississippi	22.4	17.2	18.1	16.3	5.2	3.6	15.1	13.3	35.6	29.3	20.9	20.7
West South Central	13.2	10.0	10.0	10.0	5.8	4.1	25.6	29.9	33.1	25.3	11.3	12.1
Arkansas	12.6	9.4	9.6	9.1	7.0	4.5	8.9	8.3	26.4	21.8	11.1	11.8
Louisiana	20.0	21.9	21.6	22.2	13.4	10.5	24.0	21.9	48.4	38.5	23.6	26.2
Oklahoma	5.6	3.8	4.1	3.4	3.3	2.3	9.8	14.0	17.7	12.4	4.9	4.5
Texas	9.9	8.3	8.5	8.2	4.3	3.0	30.0	33.8	24.6	17.8	9.6	9.7
Mountain	6.9	5.2	4.7	5.7	2.9	2.0	12.5	12.7	8.0	5.3	5.4	6.8
Montana	4.8	2.3	2.3	2.3	0.4	0.3	9.4	5.6	7.0	6.0	2.7	2.9
Idaho	2.2	1.5	1.7	1.3	0.3	0.3	6.9	6.5	6.4	5.4	2.1	1.6
Wyoming	3.3	2.1	2.5	1.5	0.3	0.3	9.7	9.0	5.0	5.3	2.9	1.9
Colorado	3.7	3.2	2.9	3.6	1.6	1.4	11.3	12.4	8.6	6.2	3.5	4.4
New Mexico	20.2	15.6	12.7	18.9	14.9	11.6	31.0	27.1	14.2	4.3	14.7	24.1
Arizona	20.9	15.3	13.9	17.1	4.2	2.1	31.5	27.5	7.2	4.6	14.5	18.8
Utah	2.5	1.9	2.1	1.6	0.4	0.3	5.9	6.3	4.8	4.6	2.8	2.2
Nevada	6.7	5.9	5.8	6.2	0.4	0.4	7.0	8.5	5.5	5.1	6.4	7.3
Pacific	3.6	2.7	2.8	2.5	0.4	0.4	8.0	8.6	6.3	4.6	3.3	3.0
Washington	2.0	1.7	1.7	1.6	0.3	0.3	4.8	4.7	4.3	4.0	2.1	2.1
Oregon	1.9	1.5	1.6	1.3	0.4	0.4	6.1	5.1	3.4	4.7	2.0	1.6
California	3.7	3.3	3.5	3.1	0.5	0.4	10.0	10.5	7.1	4.7	4.0	3.6

Source: Bureau of the Census, Department of Commerce.

No. 30.—DWELLINGS, FAMILIES, AND TENURE OF HOMES: BY STATES, 1920

NOTE.—A dwelling is a place in which one or more persons regularly sleep. A hotel, a boarding house, an institution, or an apartment house, though containing many families, constitutes but one dwelling, while a boat, tent, room in a factory, store, etc., although occupied by only one person, is also counted as a dwelling. A family signifies a group of persons, whether related by blood or not, who live in one household, usually sharing the same table. One person alone is a family, while occupants and employees of a hotel, if that is the usual place of abode, and all the inmates of an institution are treated as a single family

Division and State	Total dwellings	Total families	Families having homes—				
			Rented	Owned			Tenure unknown
				Free	Mortgaged	Unknown	
Continental United States:							
1910	17,805,845	20,255,555	10,697,895	5,984,284	2,931,695	167,732	473,949
1920	20,697,204	24,351,676	12,943,698	6,522,119	4,059,693	285,248	541,118
New England	1,255,964	1,703,812	1,010,586	335,753	322,064	10,507	24,902
Maine	162,304	186,106	73,860	80,540	25,979	2,310	3,417
New Hampshire	92,184	108,334	53,159	36,195	15,193	1,390	2,397
Vermont	77,158	85,804	35,706	29,029	18,571	770	1,728
Massachusetts	597,052	874,798	564,007	126,312	171,741	3,192	9,456
Rhode Island	98,861	137,160	92,800	19,389	21,352	680	2,439
Connecticut	228,405	311,610	190,964	43,788	69,228	2,165	5,465
Middle Atlantic	3,566,549	5,085,080	3,144,533	934,703	892,737	36,633	76,424
New York	1,325,114	2,441,125	1,670,088	342,452	381,776	14,510	32,299
New Jersey	515,211	721,841	438,911	101,598	165,844	4,472	11,016
Pennsylvania	1,726,224	1,922,114	1,035,534	490,653	345,167	17,651	33,109
East North Central	4,385,541	5,143,913	2,407,689	1,510,174	1,069,927	63,951	92,222
Ohio	1,216,542	1,414,068	673,858	432,304	271,872	14,421	21,113
Indiana	696,466	737,707	326,192	243,851	139,796	11,765	16,113
Illinois	1,190,414	1,534,077	846,071	370,221	268,446	19,593	29,746
Michigan	755,931	862,745	349,054	268,287	220,467	10,717	14,220
Wisconsin	526,188	595,316	212,464	195,511	169,346	7,455	11,030
West North Central	2,716,968	2,957,849	1,257,816	952,049	631,238	43,484	73,262
Minnesota	469,652	520,026	202,222	181,253	123,786	7,328	11,437
Iowa	559,188	586,070	239,880	205,115	119,289	8,163	13,623
Missouri	717,256	829,043	400,068	229,129	163,824	8,714	18,308
North Dakota	129,905	134,881	45,050	37,268	43,375	4,261	4,927
South Dakota	136,512	142,703	53,999	46,438	34,621	3,653	4,982
Nebraska	288,390	303,436	125,713	90,715	63,973	6,410	8,625
Kansas	416,065	435,690	182,784	153,131	82,370	5,955	11,360
South Atlantic	2,781,684	2,991,828	1,684,936	896,122	281,884	43,228	85,478
Delaware	47,868	52,070	28,287	12,358	9,672	799	954
Maryland	288,261	324,742	160,219	94,695	60,857	3,710	5,261
District of Columbia	72,175	96,194	65,654	12,354	15,375	774	2,037
Virginia	450,229	483,363	231,553	187,547	48,614	5,901	9,738
West Virginia	293,002	310,098	160,528	109,732	26,477	5,153	8,208
North Carolina	495,269	513,377	261,302	186,460	38,498	10,884	16,232
South Carolina	330,500	349,126	227,657	80,911	21,977	5,291	13,290
Georgia	586,509	628,525	421,047	141,899	39,546	6,740	19,293
Florida	217,871	234,133	128,678	70,166	20,848	3,976	10,465
East South Central	1,867,167	1,977,381	1,101,352	617,367	181,669	24,095	52,898
Kentucky	510,981	546,306	258,643	209,239	59,846	6,908	11,670
Tennessee	488,392	519,108	264,982	186,199	50,056	5,620	12,251
Alabama	480,392	508,769	319,756	124,456	41,445	6,462	16,650
Mississippi	387,402	403,198	257,971	97,473	30,322	5,105	12,327
West South Central	2,110,879	2,242,610	1,252,703	613,789	262,404	37,185	76,729
Arkansas	375,316	390,960	208,491	119,279	46,727	5,247	11,216
Louisiana	370,377	389,013	248,802	94,420	24,515	7,475	14,701
Oklahoma	418,557	444,524	231,813	109,001	74,586	10,253	18,871
Texas	946,629	1,017,413	563,597	291,089	116,576	14,210	31,941
Mountain	743,776	803,853	349,755	269,907	149,458	11,674	23,059
Montana	130,670	139,912	53,362	43,776	35,559	2,505	4,710
Idaho	95,299	100,500	38,013	30,974	26,957	1,277	3,279
Wyoming	44,710	48,476	22,271	14,167	8,579	1,314	2,145
Colorado	211,103	230,843	109,501	71,155	43,244	2,382	4,561
New Mexico	78,024	83,706	32,907	38,593	8,208	1,351	2,647
Arizona	73,673	80,208	44,163	24,605	7,797	673	2,970
Utah	89,587	98,346	38,598	38,842	17,582	1,561	1,763
Nevada	20,709	21,862	10,940	7,795	1,532	611	984
Pacific	1,268,677	1,445,350	734,278	392,255	268,182	14,491	36,144
Washington	304,735	342,228	151,513	106,729	72,655	3,938	7,393
Oregon	185,081	202,890	80,588	66,491	40,054	2,227	4,530
California	778,861	900,232	493,177	219,035	155,473	8,326	24,221

Source: Bureau of the Census, Department of Commerce.

No. 31.—DWELLINGS AND FAMILIES: AVERAGE NUMBER OF PERSONS PER DWELLING AND PER FAMILY AND PERCENTAGE DISTRIBUTION OF FAMILIES ACCORDING TO TENURE OF HOME, BY STATES

NOTE.—In computing the percentages the homes reported as of unknown proprietorship and encumbrance have been distributed in the same proportion as the known

Division or State	Average persons per dwelling		Average persons per family		Per cent of total number of families (1920) having homes—				Per cent of owned homes, 1920	
	1910	1920	1910	1920	Rented	Owned	Owned free	Owned encumbered	Free	Encumbered
Continental United States	5.2	5.1	4.5	4.3	54.4	45.6	28.2	17.5	61.7	38.3
New England	6.0	5.9	4.5	4.3	60.2	39.8	20.4	19.5	51.1	48.9
Maine	4.7	4.7	4.2	4.1	40.4	59.6	45.0	14.5	75.6	24.4
New Hampshire	4.8	4.8	4.2	4.1	50.2	49.8	35.1	14.7	70.4	29.6
Vermont	4.6	4.6	4.2	4.1	42.5	57.5	35.1	22.4	61.0	39.0
Massachusetts	6.6	6.5	4.6	4.4	65.2	34.8	14.8	20.1	42.4	57.6
Rhode Island	6.8	6.1	4.6	4.4	68.9	31.1	15.0	16.1	48.2	51.8
Connecticut	6.1	6.0	4.5	4.4	62.4	37.6	14.6	23.0	38.7	61.3
Middle Atlantic	6.2	6.2	4.6	4.4	62.8	37.2	19.0	18.2	51.2	48.8
New York	7.7	7.8	4.5	4.3	69.3	30.7	14.5	16.2	47.3	52.7
New Jersey	6.2	6.1	4.5	4.4	61.7	38.3	14.5	23.7	38.0	62.0
Pennsylvania	5.1	5.1	4.7	4.5	54.8	45.2	26.5	18.7	58.7	41.3
East North Central	4.9	4.9	4.3	4.2	47.7	52.3	30.6	21.7	58.5	41.5
Ohio	4.7	4.7	4.2	4.1	48.4	51.6	31.7	19.9	61.4	38.6
Indiana	4.3	4.2	4.1	4.0	45.2	54.8	34.8	20.0	63.6	36.4
Illinois	5.6	5.4	4.5	4.2	50.2	49.8	25.4	18.4	58.0	42.0
Michigan	4.5	4.9	4.3	4.3	41.1	58.9	32.3	20.6	54.9	45.1
Wisconsin	5.0	5.0	4.7	4.4	36.4	63.6	34.1	29.6	53.5	46.5
West North Central	4.8	4.8	4.5	4.2	43.6	56.4	33.9	22.5	60.1	39.9
Minnesota	5.5	5.1	5.0	4.5	39.3	60.7	36.1	24.6	59.4	40.6
Iowa	4.5	4.3	4.3	4.1	41.9	58.1	36.7	21.4	63.2	36.8
Missouri	4.9	4.7	4.4	4.1	50.5	49.5	28.9	20.7	58.3	41.7
North Dakota	4.9	5.0	4.8	4.8	34.7	65.3	30.2	35.1	46.2	53.8
South Dakota	4.6	4.7	4.5	4.5	38.5	61.5	35.2	26.3	57.3	42.7
Nebraska	4.6	4.5	4.5	4.3	42.6	57.4	34.0	22.4	60.9	39.1
Kansas	4.4	4.3	4.3	4.1	43.1	56.9	37.0	19.9	65.0	35.0
South Atlantic	5.0	5.0	4.8	4.7	58.0	42.0	32.0	10.0	76.2	23.8
Delaware	4.7	4.7	4.5	4.3	55.3	44.7	25.1	19.6	56.1	43.9
Maryland	5.1	5.0	4.7	4.5	50.1	49.9	30.3	19.5	60.9	39.1
District of Columbia	5.7	6.1	4.6	4.5	69.7	30.3	13.5	16.8	44.6	55.4
Virginia	5.1	5.1	4.9	4.8	48.9	51.1	40.6	10.5	79.4	20.6
West Virginia	5.1	5.0	4.9	4.7	53.2	46.8	37.7	9.1	80.6	19.4
North Carolina	5.1	5.2	5.0	5.0	52.6	47.4	39.3	8.1	82.9	17.1
South Carolina	5.0	5.1	4.8	4.8	67.8	32.2	25.3	6.9	78.6	21.4
Georgia	4.9	4.9	4.7	4.6	69.1	30.9	24.2	6.7	78.2	21.8
Florida	4.5	4.4	4.4	4.1	57.5	42.5	32.7	9.7	77.1	22.9
East South Central	4.9	4.8	4.7	4.5	57.3	42.7	33.0	9.7	77.2	22.8
Kentucky	4.9	4.7	4.6	4.4	48.4	51.6	40.1	11.5	77.8	22.2
Tennessee	4.9	4.8	4.7	4.5	52.3	47.7	37.6	10.1	78.8	21.2
Alabama	4.8	4.9	4.7	4.6	65.0	35.0	26.3	8.7	75.0	25.0
Mississippi	4.8	4.6	4.7	4.4	66.0	34.0	25.9	8.1	76.3	23.7
West South Central	4.9	4.9	4.8	4.6	57.8	42.2	29.5	12.6	70.0	30.0
Arkansas	4.8	4.7	4.7	4.5	54.9	45.1	32.4	12.7	71.9	28.1
Louisiana	5.0	4.9	4.8	4.6	66.3	33.7	26.7	6.9	79.4	20.6
Oklahoma	4.8	4.8	4.7	4.6	54.5	45.5	27.0	18.5	59.4	40.6
Texas	5.0	4.9	4.9	4.6	57.2	42.8	30.6	12.2	71.4	28.6
Mountain	4.5	4.5	4.3	4.2	44.8	55.2	35.5	19.7	64.4	35.6
Montana	4.5	4.2	4.3	3.9	39.5	60.5	33.4	27.1	55.2	44.8
Idaho	4.5	4.5	4.4	4.3	39.1	60.9	32.6	28.3	53.5	46.5
Wyoming	4.7	4.3	4.5	4.0	48.1	51.9	32.4	19.6	62.3	37.7
Colorado	4.3	4.5	4.1	4.1	48.4	51.6	32.1	19.5	62.2	37.8
New Mexico	4.3	4.6	4.1	4.3	40.6	59.4	49.0	10.4	82.5	17.5
Arizona	4.5	4.5	4.3	4.2	57.2	42.8	32.5	10.3	75.9	24.1
Utah	5.1	5.0	4.8	4.6	40.0	60.0	41.3	18.7	68.8	31.2
Nevada	3.6	3.7	3.5	3.5	52.4	47.6	39.8	7.8	83.6	16.4
Pacific	4.7	4.4	4.3	3.9	52.1	47.9	28.4	19.4	59.4	40.6
Washington	4.8	4.5	4.5	4.0	45.3	54.7	32.6	22.2	59.5	40.5
Oregon	4.6	4.2	4.4	3.9	45.2	54.8	34.2	20.6	62.4	37.6
California	4.6	4.4	4.2	3.8	56.3	43.7	25.6	18.1	58.5	41.5

Source: Bureau of the Census, Department of Commerce.

No. 32.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

Country of birth	Number						Per cent of increase [1]	
	1870	1880	1890	1900	1910	1920	1900–1910	1910–1920
Total foreign born	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	30.7	3.0
Europe	4,936,618	5,744,311	8,020,608	8,871,780	11,791,841	11,882,053	32.9	0.8
Northwestern Europe	3,124,633	3,494,484	4,380,752	4,202,683	4,239,067	3,830,094	0.9	−9.6
England	555,046	664,160	909,092	840,513	877,719	813,853	4.4	−7.3
Scotland	140,835	170,136	242,231	233,524	261,076	254,570	11.8	−2.5
Wales	74,533	83,302	100,079	93,586	82,488	67,066	−11.9	−18.7
Ireland	1,855,827	1,854,571	1,871,509	1,615,459	1,352,251	1,037,234	−16.3	−23.3
Norway	114,245	181,729	322,665	336,388	403,877	363,863	20.1	−9.9
Sweden	97,332	194,337	478,041	582,014	665,207	625,585	14.3	−6.0
Denmark [2]	30,107	64,196	132,543	153,690	181,649	189,154	18.2	4.1
Netherlands	46,802	58,090	81,828	94,931	120,063	131,766	26.5	9.7
Belgium [2]	12,553	15,535	22,639	29,757	49,400	62,687	66.0	26.9
Luxemburg	5,802	12,336	2,882	3,031	3,071	12,585	1.3	309.8
Switzerland	75,153	88,621	104,069	115,593	124,848	118,659	8.0	−5.0
France [2]	116,402	106,971	113,174	104,197	117,418	153,072	12.7	30.4
Central and Eastern Europe	1,784,449	2,187,776	3,420,629	4,136,646	6,024,041	6,134,845	45.6	1.8
Germany [2]	1,690,533	1,966,742	2,784,894	2,663,418	[3] 2,311,237	1,686,108	−13.2	−27.0
Poland [3]	14,436	48,557	147,440	383,407	[3] 937,884	1,139,979	144.6	21.5
Czechoslovakia [4]						362,438		
Austria [2]	70,797	124,024	241,377	432,798	[3] 845,555	575,627	95.4	−31.9
Hungary [2]	3,737	11,526	62,435	145,714	495,609	397,283	240.1	−19.8
Yugoslavia [4]						169,439		
Serbia [5]					4,639			
Montenegro [5]					5,374			
Russia and Lithuania	4,644	35,722	182,644	423,726	[3] 1,184,412	1,535,563	179.5	29.6
Finland				62,641	129,680	149,824	107.0	15.5
Rumania [2]				15,032	65,923	102,823	338.6	56.0
Bulgaria [2]					11,498	10,477		−8.9
Turkey in Europe [2]	[6] 302	[6] 1,205	[6] 1,839	[6] 9,910	[7] 32,230	5,284	225.2	−83.6
Southern Europe	25,853	58,265	206,648	530,209	1,525,875	1,911,213	187.8	25.3
Greece [2]	300	776	1,887	8,515	101,282	175,976	1,089.5	73.7
Albania					(7)	5,608		
Italy [2]	17,157	44,230	182,580	484,027	1,343,125	1,610,113	177.5	19.9
Spain	3,764	5,121	6,185	7,050	22,108	49,535	213.6	124.1
Portugal	4,542	8,138	15,996	30,608	59,360	69,981	93.9	17.9
Other Europe [8]	1,678	3,786	12,579	2,251	2,858	5,901	471.8	106.5
Asia	64,565	107,630	113,396	120,248	191,484	237,950	59.2	24.3
Armenia, Palestine, Syria, and Turkey in Asia	(6)	(6)	(6)	(6)	59,729	102,751		72.0
China	63,042	104,468	106,701	81,534	56,756	43,560	−30.4	−23.3
Japan	73	401	2,292	24,788	67,744	81,502	173.3	20.3
India	586	1,707	2,143	2,031	4,664	4,901	129.6	5.1
Other Asia	864	1,054	2,260	11,895	2,591	5,236	−78.2	102.1
America	551,336	807,230	1,088,245	1,317,380	1,489,231	1,727,017	13.0	16.0
Canada and Newfoundland [9]	493,464	717,157	980,938	1,179,922	1,209,717	1,138,174	2.5	−5.9
Canada—								
French [9]			302,496	395,126	385,083	307,786	−2.5	−20.1
Other [9]			678,442	784,796	819,554	817,139	4.4	−0.3
Newfoundland [9]					5,080	13,249		160.8
West Indies	11,570	16,401	23,256	[10] 25,435	[10] 47,635	[10] 78,962	87.3	65.8
Mexico	42,435	68,399	77,853	103,393	221,915	486,418	114.6	119.2
Central and South America	3,866	5,273	6,198	8,630	9,904	23,463	15.5	135.5
All other	14,711	20,772	27,311	31,868	43,330	73,672	36.0	70.0

[1] A minus sign (−) denotes decrease.
[2] Boundaries changed since 1910. Statistics for 1920 relate to postwar boundaries; for 1910, to prewar boundaries.
[3] Persons reported in 1910 as of Polish mother tongue born in Germany (190,096), Austria (329,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1870 to 1900 listed it as a country of birth.
[4] Created since 1910.
[5] Included as part of Yugoslavia in 1920.
[6] Turkey in Asia included with Turkey in Europe prior to 1910.
[7] Albania included with Turkey in Europe in 1910 and earlier years.
[8] Includes "Europe, not specified" at each census, and Danzig, Fiume, and Saar Basin in 1920.
[9] Newfoundland included with Canada prior to 1910.
[10] Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.

No. 33.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH, CONTINENTAL UNITED STATES

NOTE.—Statistics for 1910 are on the basis of prewar, for 1920, postwar boundaries (see notes to Table 32). For estimates of the total white population by countries of origin, calculated for immigration purposes, see Table 116

Country of birth	1910		1920	
	Number	Per cent	Number	Per cent
Total	13,345,545	100.0	13,712,754	100.0
Europe	11,787,378	88.3	11,877,991	86.6
Northwestern Europe	4,237,373	31.8	3,828,870	27.9
England	876,455	6.6	812,828	5.9
Scotland	201,034	2.0	254,567	1.9
Wales	82,479	0.6	67,000	0.5
Ireland	1,352,155	10.1	1,037,233	7.6
Norway	403,858	3.0	363,862	2.7
Sweden	665,183	5.0	625,580	4.6
Denmark	181,621	1.4	189,154	1.4
Netherlands	120,053	0.9	131,760	1.0
Belgium	49,397	0.4	62,680	0.5
Luxemburg	3,068	(1)	12,585	0.1
Switzerland	124,834	0.9	118,659	0.9
France [2]	117,236	0.9	152,890	1.1
Central Europe	4,181,703	31.3	4,330,860	31.6
Germany [3]	2,501,181	18.7	1,686,102	12.3
Poland	(4)	----	1,139,978	8.3
Czechoslovakia	(4)	----	362,436	2.6
Austria [3]	1,174,924	8.8	575,025	4.2
Hungary [3]	405,600	3.7	397,282	2.9
Serbia	4,635	(1)	(4)	----
Montenegro	5,363	(1)	(4)	----
Yugoslavia	----	----	169,437	1.2
Eastern Europe	1,342,015	13.8	1,803,985	13.2
Russia	1,602,752	12.0	1,400,489	10.2
Lithuania	(4)	----	135,068	1.0
Finland	129,669	1.0	149,824	1.1
Rumania [2]	65,920	0.5	102,823	0.7
E. Europe—Contd.				
Bulgaria	11,453	0.1	10,477	0.1
Turkey in Europe [3]	32,221	0.2	5,284	(1)
Southern Europe	1,523,934	11.4	1,908,389	13.9
Greece [2]	101,264	0.8	175,972	1.3
Albania	(4)	----	5,008	(1)
Italy [2]	1,343,070	10.1	1,610,109	11.7
Spain	21,977	0.2	49,247	0.4
Portugal	57,623	0.4	67,453	0.5
Other Europe	2,863	(1)	5,901	(1)
Asia	64,314	0.5	110,450	0.8
Turkey in Asia [3]	59,702	0.4	11,614	0.1
Armenia	(4)	----	36,626	0.3
Palestine			3,202	(1)
Syria			51,000	0.4
Other Asia	4,612	(1)	7,708	0.1
America	1,453,186	10.9	1,656,801	12.1
Canada:				
French	385,083	2.9	307,788	2.2
Other	810,987	6.1	810,092	5.9
Newfoundland	6,076	(1)	13,242	0.1
Mexico	219,802	1.6	478,383	3.5
West Indies [5]	23,169	0.2	26,369	0.2
Central and South America	9,069	0.1	20,929	0.2
Other countries	40,167	0.3	67,512	0.5
Atlantic Islands	15,795	0.1	38,984	0.3
Australia	8,938	0.1	10,801	0.1
All other	15,434	0.1	17,727	0.1

[1] Less than one-tenth of 1 per cent.
[2] Boundaries changed with increase of territory.
[3] Boundaries changed with loss of territory.
[4] Included in another country or countries.
[5] Excluding possessions of United States in 1920.

No. 34.—URBAN AND RURAL FOREIGN-BORN POPULATION: CONTINENTAL UNITED STATES, 1920, BY COUNTRY OF BIRTH

NOTE.—See Table 39 for explanation of urban and rural segregation

Country of birth	Urban	Rural	Percent urban
Total population	54,304,603	51,406,017	51.4
Total foreign born	10,500,942	3,419,760	75.4
Northwestern Europe	2,737,407	1,092,687	71.5
England	620,676	193,177	76.3
Scotland	195,614	58,950	76.8
Wales	47,716	19,350	71.1
Ireland	900,947	136,287	86.9
Norway	171,698	192,165	47.2
Sweden	394,700	230,885	63.1
Denmark	101,026	88,138	53.4
Netherlands	74,424	57,342	56.5
Belgium	41,710	20,977	66.5
Luxemburg	7,213	5,372	57.3
Switzerland	67,731	50,928	57.1
France	113,962	39,110	74.4
Central Europe	3,807,139	1,123,735	74.1
Germany	1,137,961	548,147	67.5
Poland	961,813	178,166	84.4
Czechoslovakia	240,453	121,985	66.3
Austria	431,670	143,957	75.0
Hungary	317,737	79,546	80.0
Yugoslavia	117,505	51,934	69.3
Eastern Europe	1,545,928	258,045	85.7
Russia	1,241,157	150,338	88.6
Lithuania	118,634	16,434	87.8
Finland	79,974	66,850	53.4
Rumania	93,456	9,367	90.9
E. Europe—Contd.			
Bulgaria	7,879	2,598	75.2
Turkey in Europe	4,826	458	91.3
Southern Europe	1,607,943	303,270	84.1
Greece	154,052	21,924	87.5
Albania	5,156	452	91.9
Italy	1,359,250	250,863	84.4
Spain	36,363	13,172	73.4
Portugal	53,122	16,859	75.9
Other Europe	4,523	1,378	76.6
Asia	170,693	67,260	71.7
Armenia	30,307	6,321	82.7
Palestine	2,914	289	91.0
Syria	45,321	6,580	87.3
Turkey in Asia	9,864	1,165	89.4
China	34,635	8,925	79.5
Japan	40,751	40,751	50.0
India	2,693	2,208	54.9
Other Asia	4,215	1,021	80.5
America	1,170,024	556,993	67.7
Canada—French	243,750	64,036	79.2
Canada—Other	591,812	225,327	72.4
Newfoundland	12,037	1,212	90.9
West Indies [1]	72,742	6,220	92.1
Mexico	229,179	257,239	47.1
Central and South America	20,504	2,959	87.4
All other	67,290	16,382	77.8

[1] Except possessions of the United States.

Source of Tables: 33 and 34; Bureau of the Census, Department of Commerce.

No. 35.—FOREIGN WHITE STOCK, BY MOTHER TONGUE: CONTINENTAL UNITED STATES

NOTE.—The last two columns include native white persons (1) having both parents foreign born and of the specified foreign tongue, and (2) having one parent foreign born and of the specified mother tongue and the other parent native. Persons having both parents foreign born, one parent of one mother tongue and the other of another, are grouped in the last line

Linguistic group and mother tongue	Total foreign white stock				Per cent of increase, 1910–1920 [1]	Foreign-born white		Native white of foreign or mixed parentage	
	Number		Per cent distribution						
	1910	1920	1910	1920		1910	1920	1910	1920
Total	32,243,382	36,398,958	100.0	100.0	12.9	13,345,545	13,712,754	18,897,837	22,686,204
English and Celtic [2]	9,930,861	9,729,365	30.8	26.7	−2.0	3,363,792	3,007,932	6,567,069	6,721,433
Germanic	9,000,139	8,622,500	27.9	23.7	−4.2	2,910,857	2,449,364	6,089,282	6,173,136
German	8,646,402	8,164,111	26.8	22.4	−5.6	2,759,032	2,267,128	5,887,370	5,896,983
Dutch and Frisian	311,015	370,499	1.0	1.0	19.1	126,045	130,540	184,970	233,959
Flemish	42,722	87,890	0.1	0.2	105.7	25,780	45,696	16,942	42,194
Scandinavian	2,781,402	2,972,796	8.6	8.2	6.9	1,272,150	1,194,933	1,509,252	1,777,863
Swedish	1,394,410	1,485,062	4.3	4.1	6.5	683,218	643,203	711,192	841,859
Norwegian	976,827	1,020,788	3.0	2.8	4.5	402,587	362,199	574,240	658,589
Danish [3]	410,165	466,946	1.3	1.3	13.8	186,345	189,531	223,820	277,415
Latin and Greek	4,185,932	6,038,001	13.0	16.6	44.2	2,385,388	2,990,954	1,800,544	3,045,047
Italian [4]	2,135,393	3,365,864	6.6	9.2	57.6	1,365,110	1,624,998	770,283	1,740,866
French	1,288,897	1,290,110	4.0	3.5	0.1	528,842	466,956	760,055	823,154
Spanish [5]	444,132	850,848	1.4	2.3	91.6	258,131	556,111	186,001	294,737
Portuguese	139,221	215,728	0.4	0.6	55.0	72,649	105,895	66,572	109,833
Rumanian	49,588	91,683	0.2	0.3	84.9	42,277	62,336	7,311	29,347
Greek	128,701	221,768	0.4	0.6	72.3	118,379	174,658	10,322	47,110
Slavic and Lettic	3,194,647	5,270,581	9.9	14.5	65.0	1,831,666	2,480,332	1,362,981	2,810,249
Polish	1,684,108	2,436,895	5.2	6.7	44.7	943,781	1,077,392	740,327	1,359,503
Czech	531,193	622,796	1.6	1.7	17.2	228,738	234,564	302,455	388,232
Slovak	281,707	619,866	0.9	1.7	120.0	166,474	274,948	115,233	344,918
Russian [6]	91,341	731,949	0.3	2.0	701.3	57,926	392,049	33,415	339,900
Ruthenian	34,337	95,458	0.1	0.3	174.0	25,131	55,672	9,706	39,786
Slovenian	181,594	208,552	0.6	0.6	14.8	123,631	102,744	57,963	105,808
Serbo-Croatian—									
Croatian	92,260	140,559	0.3	0.4	52.4	74,036	83,063	18,224	57,496
Dalmatian	5,372	3,119	(7)	(7)	−41.9	4,344	2,112	1,028	1,007
Serbian	26,483	52,208	0.1	0.1	97.1	23,403	36,471	3,080	15,737
Montenegrin	3,949	4,535	(7)	(7)	14.8	3,886	4,198	63	337
Bulgarian	19,183	14,420	0.1	(7)	−24.8	18,341	12,853	842	1,567
Slavic, not specified [8]	34,799	3,624	0.1	(7)	−89.6	21,012	2,039	13,787	1,585
Lithuanian and Lettish	207,821	336,600	0.6	0.9	62.0	140,963	182,227	66,858	154,373
Unclassified	2,261,563	2,956,321	7.0	8.1	30.7	1,465,420	1,802,073	796,143	1,354,248
Yiddish and Hebrew	1,604,142	2,043,613	5.2	5.6	22.8	1,051,767	1,091,820	612,375	951,793
Magyar	315,283	473,538	1.0	1.3	50.2	229,094	268,112	86,189	205,426
Finnish [9]	197,515	265,472	0.6	0.7	34.4	120,086	133,567	77,429	131,905
Armenian	29,690	52,840	0.1	0.1	78.0	23,938	37,647	5,752	15,193
Syrian and Arabic	46,495	104,139	0.1	0.3	124.0	32,868	57,557	13,627	46,582
Turkish	5,310	8,505	(7)	(7)	60.2	4,709	6,627	601	1,878
Albanian	2,358	6,426	(7)	(7)	172.5	2,312	5,515	46	911
All other [10]	770	1,788	(7)	(7)	132.2	646	1,228	124	560
Unknown or mixed mother tongue	888,938	811,394	2.8	2.2	−8.7	116,272	7,166	772,666	804,228
Unknown	297,918	20,336	0.9	0.1	−93.2	116,272	7,166	181,646	13,170
Of mixed mother tongue [11]	590,920	791,058	1.8	2.2	33.9	----------	----------	590,920	791,058

[1] A minus sign (−) denotes decrease.
[2] Includes persons reporting Irish, Scotch, or Welsh.
[3] Includes Icelandic (5,105 in 1910, 5,634 in 1920).
[4] Includes Romansh and Friulian (3,183 in 1910, 2,206 in 1920).
[5] Includes Basque (656 in 1910, 527 in 1920).
[6] Probably includes a considerable proportion of Hebrews, erroneously reported as of Russian mother tongue, especially in 1920; the increase over 1910 is misleading.
[7] Less than one-tenth of 1 per cent.
[8] Practically all Wendish in 1920; 395 reported as Wendish in 1910.
[9] Includes Lappish and Esthonian (2,533 in 1910, 1,390 in 1920).
[10] Comprises Persian (592 in 1910, 1,159 in 1920), Gypsy (156 in 1910, 173 in 1920), Georgian (14 in 1910, 65 in 1920), Kurdish (8 in 1910, 122 in 1920), and Egyptian (269 in 1920).
[11] The term "Of mixed mother tongue" refers to natives whose foreign-born parents were reported as of different mother tongues.

Source: Bureau of the Census, Department of Commerce

No. 36.—FOREIGN-BORN WHITES BY

Division and State	Total foreign-born white, 1920	Northwestern Europe							
		United Kingdom and Ireland				Scandinavia			Netherlands
		England	Scotland	Wales	Ireland	Norway	Sweden	Denmark	
Continental United States.	13,712,754	812,828	254,567	67,068	1,037,233	363,862	625,580	189,154	181,766
New England	1,870,654	147,098	47,501	2,999	287,428	8,564	67,286	8,458	2,912
Maine	107,349	5,149	2,171	137	5,748	851	2,026	1,065	59
New Hampshire	91,233	4,367	1,823	51	7,908	427	1,886	204	177
Vermont	44,526	2,197	1,854	549	2,884	106	1,123	155	32
Massachusetts	1,077,534	86,895	28,474	1,367	183,171	5,491	38,012	3,629	2,071
Rhode Island	173,499	25,782	5,692	245	22,253	545	6,542	365	138
Connecticut	376,513	22,708	7,487	650	45,464	1,414	17,697	3,040	444
Middle Atlantic	4,912,578	272,752	83,883	29,185	472,319	35,362	83,547	22,991	27,847
New York	2,786,112	135,305	37,654	6,763	284,747	27,573	53,025	14,222	13,772
New Jersey	738,613	45,781	17,781	1,255	65,971	5,343	10,675	5,704	12,737
Pennsylvania	1,387,850	90,666	28,448	21,167	121,601	2,446	19,847	3,065	1,338
East North Central	3,223,279	163,892	51,650	15,226	135,147	92,137	165,383	43,018	59,883
Ohio	678,697	43,140	12,148	7,772	29,262	1,487	7,266	2,353	2,529
Indiana	150,868	8,522	3,707	1,106	7,271	544	4,942	969	2,015
Illinois	1,200,951	54,247	19,598	3,444	74,274	27,785	105,577	17,098	14,344
Michigan	725,635	47,149	13,175	1,154	16,531	6,888	24,707	7,178	33,498
Wisconsin	460,128	10,834	3,022	1,750	7,809	45,433	22,896	15,420	7,473
West North Central	1,371,961	53,523	17,196	5,893	49,853	166,280	157,625	61,748	24,399
Minnesota	486,164	10,958	3,925	854	10,289	90,188	112,117	16,904	5,380
Iowa	225,647	13,086	3,967	1,753	10,686	17,344	22,493	18,020	12,471
Missouri	186,026	10,400	2,969	903	15,022	610	4,741	1,888	906
North Dakota	131,503	2,237	1,229	120	1,660	38,190	10,543	4,552	903
South Dakota	82,391	2,943	832	346	1,954	16,313	8,573	5,983	3,218
Nebraska	149,652	6,000	1,695	547	5,422	2,165	18,821	12,338	846
Kansas	110,578	7,899	2,576	1,170	4,825	970	10,337	2,263	675
South Atlantic	315,920	24,282	7,455	1,773	20,145	2,559	4,418	2,123	1,459
Delaware	19,810	1,497	411	44	2,895	65	316	77	37
Maryland	102,177	5,095	1,692	499	6,580	536	630	382	314
District of Columbia	28,548	2,990	793	106	4,320	219	481	237	127
Virginia	30,785	3,752	1,327	163	1,732	491	664	459	335
West Virginia	61,906	3,433	998	704	1,459	51	326	121	66
North Carolina	7,099	967	446	25	301	70	170	69	115
South Carolina	6,401	491	190	10	442	85	133	76	30
Georgia	10,186	1,593	530	86	1,112	132	299	127	78
Florida	43,008	4,451	1,068	136	1,304	610	1,399	575	357
East South Central	71,939	6,060	2,093	455	5,934	450	1,514	531	322
Kentucky	30,780	1,863	520	149	3,422	75	214	89	150
Tennessee	15,478	1,665	464	143	1,291	63	305	138	58
Alabama	17,662	1,942	975	145	809	215	748	191	83
Mississippi	8,019	590	144	18	412	97	247	113	31
West South Central	459,333	13,327	3,711	763	8,330	2,691	6,320	2,580	1,106
Arkansas	13,975	1,137	316	90	676	99	331	180	116
Louisiana	44,371	1,819	447	76	2,000	555	522	331	260
Oklahoma	39,968	2,686	1,120	319	1,321	297	931	561	176
Texas	360,519	7,685	1,828	278	4,333	1,740	4,536	1,508	554
Mountain	453,225	44,578	12,986	4,907	19,634	17,400	32,232	17,023	5,252
Montana	93,020	8,159	3,279	879	7,260	9,962	7,179	2,990	1,675
Idaho	38,963	4,451	1,228	575	1,410	2,482	5,112	2,240	439
Wyoming	25,255	2,505	1,439	297	956	651	2,042	936	130
Colorado	116,954	9,584	3,357	1,482	6,191	1,525	10,112	2,823	853
New Mexico	29,077	888	440	78	434	128	310	115	70
Arizona	78,099	2,882	595	192	1,206	337	859	308	69
Utah	56,455	14,836	2,310	1,304	1,207	2,109	6,073	6,970	1,986
Nevada	14,802	1,271	338	100	970	206	545	551	36
Pacific	1,093,868	87,331	28,092	6,065	58,438	48,719	77,250	30,682	8,606
Washington	250,055	20,806	7,886	2,040	8,927	30,304	34,793	8,359	3,097
Oregon	102,151	7,953	3,609	592	4,203	6,955	10,532	3,602	917
California	681,662	58,572	16,597	3,433	45,308	11,460	31,925	18,721	4,592

COUNTRY OF BIRTH, BY STATES, 1920

Northwestern Europe—Continued			Central Europe						Eastern Europe		Division and State
Belgium and Luxemburg	Switzerland	France	Germany	Poland	Czechoslovakia	Austria	Hungary	Yugoslavia	Russia	Lithuania	
75,271	118,659	152,880	1,686,102	1,139,978	362,436	575,625	397,282	189,437	1,400,489	135,068	U. S.
4,525	3,763	13,246	51,129	131,378	9,653	23,981	15,187	2,405	147,371	35,361	N. E.
57	62	344	932	1,717	410	305	72	143	3,763	1,032	Me.
483	72	288	1,714	3,997	75	389	66	120	3,467	1,017	N. H.
17	187	197	630	1,726	108	283	264	56	1,333	67	Vt.
2,530	1,368	7,120	22,113	69,167	2,238	8,093	1,387	950	92,034	20,789	Mass.
982	211	1,971	3,126	8,158	264	1,307	176	146	8,055	794	R. I.
456	1,863	3,326	22,614	46,623	6,558	12,699	13,222	990	38,719	11,662	Conn.
13,945	30,093	55,149	508,228	515,708	123,363	310,344	190,224	48,087	763,891	43,594	M. A.
5,864	15,053	32,179	295,650	247,519	38,247	151,172	78,374	8,547	520,240	12,121	N. Y.
2,650	8,165	10,165	92,382	90,419	16,747	36,917	40,470	3,313	73,527	6,246	N. J.
4,981	6,875	12,805	120,194	177,770	68,869	122,755	71,380	36,227	161,124	30,227	Pa.
34,799	30,379	29,612	592,058	402,259	143,743	145,275	149,592	72,343	236,022	44,307	E. N. C.
2,175	9,656	8,056	111,893	67,579	42,121	48,073	73,181	30,377	43,690	4,095	Ohio.
2,631	2,334	3,247	37,377	17,791	3,941	9,100	9,351	4,471	7,673	1,445	Ind.
14,540	7,837	11,993	205,491	162,405	66,709	46,457	34,437	19,285	117,899	30,358	Ill.
10,978	2,755	4,174	86,047	103,926	11,161	22,004	22,607	9,426	45,313	5,475	Mich.
4,475	7,797	2,142	151,250	50,558	19,811	19,641	10,016	8,784	21,447	2,034	Wis.
12,005	15,838	11,432	293,035	38,262	50,906	37,504	17,640	18,189	110,766	2,098	W. N. C.
3,838	2,720	1,803	74,634	18,537	12,626	11,550	4,277	10,697	16,100	741	Minn.
2,862	2,871	2,125	70,642	2,028	9,150	4,334	747	1,603	7,319	687	Iowa.
1,253	4,934	3,825	55,776	7,636	4,971	8,676	8,080	2,327	18,769	417	Mo.
685	506	350	11,960	2,236	2,056	2,059	2,519	199	29,617	32	N. Dak.
731	761	336	15,674	792	2,819	1,151	585	470	11,193	14	S. Dak.
852	1,808	858	40,969	4,615	15,818	4,551	810	738	15,718	139	Nebr.
1,784	2,238	2,136	23,380	2,418	3,466	5,183	622	2,155	12,050	68	Kans.
1,634	2,343	4,112	40,898	25,432	6,620	12,077	10,696	3,581	48,362	3,245	S. A.
29	76	198	1,632	3,847	122	615	226	27	2,244	90	Del.
157	509	815	22,032	12,061	3,553	3,620	1,947	359	24,791	2,206	Md.
89	358	687	3,382	716	122	525	219	43	5,181	38	D. C.
129	239	455	2,802	1,103	397	921	1,293	127	5,421	71	Va.
944	545	633	3,798	5,799	1,549	5,115	6,260	2,802	3,911	717	W. Va.
18	72	136	703	210	20	149	66	29	932	29	N. C.
62	31	78	1,079	351	45	206	56	22	1,187	9	S. C.
52	161	376	1,936	917	123	401	246	84	3,452	72	Ga.
154	357	731	3,534	428	189	525	383	88	1,243	13	Fla.
266	2,176	2,191	16,652	2,590	617	2,023	1,829	766	7,408	76	E. S. C.
102	1,315	984	11,137	1,037	240	906	1,084	354	2,736	56	Ky.
30	616	333	2,159	841	82	398	326	37	2,262	3	Tenn.
81	174	616	2,427	394	232	583	372	155	1,582	12	Ala.
44	71	258	929	318	63	136	47	220	828	5	Miss.
1,307	3,433	8,071	47,217	7,206	15,438	9,195	1,664	1,267	14,652	219	W. S. C.
102	736	387	3,979	529	492	636	108	117	662	27	Ark.
359	378	4,182	5,147	377	302	725	305	312	1,928	23	La.
341	629	958	7,029	1,253	1,825	1,393	311	218	5,005	132	Okla.
505	1,690	2,544	31,062	5,047	12,819	6,441	940	620	7,057	37	Tex.
1,980	6,695	4,965	33,652	4,675	5,295	13,070	3,233	10,771	26,690	280	Mt.
825	1,151	888	7,873	1,219	1,895	3,298	935	3,782	5,203	80	Mont.
183	1,347	482	4,143	287	420	781	233	460	1,458	9	Idaho.
148	302	361	2,292	544	518	1,183	349	1,189	1,482	33	Wyo.
521	1,510	1,420	11,992	1,867	1,953	5,722	1,157	2,109	16,609	115	Colo.
82	148	377	1,178	153	113	423	130	535	254	8	N. Mex.
82	203	394	1,516	261	148	486	210	1,167	816	16	Ariz.
108	1,566	434	3,589	240	163	987	179	836	684	12	Utah.
31	378	609	1,069	104	85	190	40	693	124	7	Nev.
5,266	23,934	24,112	103,235	12,468	6,301	22,556	7,217	12,028	45,327	688	Pac.
1,753	3,671	2,462	22,315	3,906	1,792	6,494	1,056	3,565	11,124	527	Wash.
862	4,166	1,273	13,740	1,480	1,132	2,798	909	1,186	6,979	101	Oreg.
2,645	16,097	20,387	67,180	7,082	3,377	13,264	5,252	7,277	27,224	260	Calif.

No. 36.—Foreign-Born Whites by Country

Division and State	Eastern Europe—Continued				Southern Europe				Other Europe[1]
	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal	
Continental United States.	149,824	102,823	10,477	5,284	175,972	1,610,109	49,247	67,453	11,509
New England	19,543	3,128	214	831	32,186	238,508	2,856	38,426	3,023
Maine	1,393	67	5	66	1,228	2,797	33	143	413
New Hampshire	1,553	25	8	-------	5,280	2,074	18	115	120
Vermont	476	19	3	-------	167	4,097	661	29	10
Massachusetts	14,570	1,445	120	451	20,441	117,007	824	28,315	2,047
Rhode Island	320	370	45	45	1,219	32,241	87	8,624	153
Connecticut	1,226	1,202	33	69	3,851	80,322	1,233	1,200	285
Middle Atlantic	17,431	55,910	1,338	2,534	44,531	925,222	16,731	2,848	2,568
New York	12,504	40,116	614	2,050	26,117	545,173	12,548	1,404	1,257
New Jersey	2,109	4,564	66	195	4,521	157,235	2,000	646	224
Pennsylvania	2,818	11,230	656	289	13,893	222,764	2,183	798	1,087
East North Central	46,576	26,338	5,806	1,035	45,135	203,180	3,008	364	3,230
Ohio	6,406	13,068	2,535	569	13,540	60,858	1,280	146	783
Indiana	237	2,781	431	70	4,182	6,712	467	14	149
Illinois	3,080	6,233	940	181	16,465	94,407	746	110	675
Michigan	30,096	6,331	1,692	179	7,115	30,216	441	67	1,074
Wisconsin	6,767	970	208	36	3,833	11,157	74	17	549
West North Central	31,635	6,950	1,095	124	11,238	34,488	775	56	727
Minnesota	29,108	2,385	456	30	2,391	7,432	36	7	190
Iowa	107	297	269	18	2,884	4,956	41	14	85
Missouri	98	1,647	145	44	3,022	14,609	435	12	278
North Dakota	1,108	1,811	31	17	420	176	6	2	25
South Dakota	1,085	154	97	5	375	413	5	4	28
Nebraska	73	371	61	4	1,504	3,547	38	6	62
Kansas	56	285	36	6	540	3,355	214	11	59
South Atlantic	1,231	2,163	161	203	11,449	40,267	6,523	436	374
Delaware	52	110	-------	3	280	4,136	142	18	7
Maryland	175	537	18	19	964	9,543	221	21	80
District of Columbia	104	86	5	72	1,207	3,764	108	11	25
Virginia	240	165	17	32	1,796	2,435	263	95	86
West Virginia	289	625	98	23	3,186	14,147	1,540	14	73
North Carolina	15	31	1	17	551	453	16	10	7
South Carolina	53	26	1	10	578	344	19	6	10
Georgia	42	111	5	21	1,473	700	123	39	61
Florida	311	472	16	6	1,408	4,745	4,091	222	25
East South Central	219	441	51	50	2,014	8,584	212	80	112
Kentucky	50	102	23	23	401	1,933	68	6	31
Tennessee	33	93	5	5	491	2,079	14	6	38
Alabama	74	120	18	22	915	2,732	70	4	33
Mississippi	62	36	-------	1	207	1,841	60	4	10
West South Central	455	663	241	101	3,488	27,734	2,495	183	348
Arkansas	18	62	17	1	277	1,314	22	4	11
Louisiana	147	93	49	14	610	16,264	1,268	100	76
Oklahoma	101	65	105	11	619	2,122	124	13	50
Texas	189	443	70	75	1,977	8,024	1,081	66	211
Mountain	7,718	1,053	821	72	9,483	28,497	4,561	332	249
Montana	3,577	344	264	28	1,465	3,842	68	30	51
Idaho	989	104	39	5	716	1,323	1,416	39	48
Wyoming	856	71	72	2	1,236	1,948	130	29	9
Colorado	879	394	340	12	1,802	12,579	297	33	54
New Mexico	49	8	18	2	288	1,678	198	18	8
Arizona	407	51	28	10	329	1,261	1,013	30	14
Utah	779	69	30	12	3,029	3,225	250	4	60
Nevada	182	12	21	1	618	2,641	1,180	149	5
Pacific	24,966	3,177	752	534	18,455	103,639	12,086	24,798	873
Washington	11,803	422	267	220	4,214	10,813	410	156	168
Oregon	6,050	352	214	41	1,928	4,324	553	125	47
California	7,053	2,403	271	264	10,313	88,502	11,123	24,517	658

[1] Comprises Albania, Danzig, Fiume, Saar Basin, and "Europe, not specified."
[2] Comprises Hedjaz, India, China, Japan, Palestine, and "Asia, not specified."

Source: Bureau of the Census, Department of Commerce.

OF BIRTH, BY STATES, 1920—Continued

Asia				America						Other countries		All other[5]	Division and State
				Canada									
Armenia	Syria	Turkey in Asia	Other Asia[2]	French	Other	Newfoundland	Mexico	West Indies[3]	Central and South America	Atlantic Islands[4]	Australia		
38,626	51,900	11,014	10,910	307,786	810,092	13,242	478,383	26,369	20,929	38,984	10,801	17,727	U. S.
11,964	11,181	2,266	1,187	240,385	233,971	8,198	203	1,446	1,681	28,484	531	1,292	N. E.
142	627	43	52	35,580	38,570	215	9	81	17	10	23	71	Me.
276	523	60	16	38,277	13,997	182	9	33	31	40	21	39	N. H.
55	228	5	10	14,181	10,687	67	5	12	42	3	5	26	Vt.
8,640	7,128	1,671	513	108,691	153,330	7,165	131	871	1,056	25,230	337	657	Mass.
1,850	1,285	292	87	28,887	7,525	233	7	139	237	2,991	43	97	R. I.
1,001	1,390	225	509	14,769	9,862	336	42	310	298	210	102	402	Conn.
10,806	15,501	4,335	3,507	17,045	120,049	2,772	4,949	11,692	9,650	835	2,188	4,075	M. A.
5,599	8,127	3,200	2,361	15,560	96,414	1,809	2,897	9,532	7,430	509	1,360	2,444	N. Y.
2,275	2,062	440	507	772	9,520	476	406	1,120	1,040	179	317	641	N. J.
2,932	5,312	695	639	713	14,115	487	1,646	1,040	1,180	87	511	990	Pa.
6,157	9,736	2,098	2,695	29,267	222,213	830	6,846	1,289	1,875	261	1,413	4,237	E. N. C.
906	3,680	637	461	1,277	22,899	147	915	533	451	42	232	679	Ohio.
134	717	158	171	406	4,690	44	661	51	80	7	77	239	Ind.
1,715	1,149	502	1,260	4,032	34,343	311	3,854	389	743	195	598	1,240	Ill.
2,498	3,648	663	644	18,635	145,867	245	1,268	239	432	11	397	730	Mich.
904	532	138	159	4,917	14,414	83	148	77	169	6	109	1,349	Wis.
717	3,405	322	559	10,459	69,785	181	22,134	366	729	35	548	1,638	W. N. C.
174	818	100	130	6,796	26,936	56	237	56	116	14	104	451	Minn.
101	512	51	91	401	8,528	35	2,560	71	109	8	101	270	Iowa.
181	848	83	130	299	6,204	38	3,222	152	208	5	137	326	Mo.
75	289	21	34	1,533	14,017	20	27	4	39	-------	35	110	N. Dak.
18	265	12	43	508	3,945	3	68	12	27	-------	24	113	S. Dak.
138	414	28	65	351	5,407	20	2,452	38	71	4	80	208	Nebr.
30	259	27	66	571	4,748	9	13,568	33	159	4	67	160	Kans.
402	4,064	456	380	813	12,059	230	600	2,329	812	165	274	573	S. A.
6	2	0	13	23	423	8	50	28	15	1	12	21	Del.
43	72	39	56	117	1,747	61	79	215	176	22	61	130	Md.
63	211	62	46	147	1,541	18	65	114	154	7	25	80	D. C.
164	550	77	77	106	1,817	32	79	94	117	29	41	92	Va.
41	1,235	157	31	54	903	6	74	26	48	3	33	69	W. Va.
10	592	23	44	15	635	7	28	34	30	1	14	32	N. C.
0	396	5	17	24	244	1	14	29	15	6	5	9	S. C.
28	473	49	36	50	905	22	53	89	44	9	26	50	Ga.
41	533	38	60	277	3,844	75	158	8,700	207	87	57	90	Fla.
61	1,501	93	148	179	2,967	32	529	303	181	11	80	198	E. S. C.
20	309	22	40	50	835	13	133	30	36	2	36	85	Ky.
18	127	20	48	47	925	9	167	38	44	2	15	41	Tenn.
22	452	39	31	52	840	3	132	201	65	7	21	43	Ala.
1	583	12	29	30	367	7	97	28	36	-------	8	29	Miss.
148	3,436	206	382	590	8,105	100	259,007	324	1,225	55	308	757	W. S. C.
7	213	10	23	58	822	20	259	15	23	4	25	50	Ark.
27	954	61	61	157	1,008	16	2,399	495	844	13	60	107	La.
15	691	21	73	126	2,349	11	6,697	43	67	2	54	104	Okla.
99	1,578	114	225	249	3,926	53	249,652	271	291	36	169	496	Tex.
362	1,324	190	314	3,482	30,185	193	96,502	209	465	154	623	1,117	Mt.
140	192	62	58	2,211	12,105	63	214	25	71	5	81	192	Mont.
13	49	15	31	476	4,478	59	1,125	10	24	23	57	184	Idaho.
62	82	25	22	92	1,346	4	1,780	14	29	7	17	50	Wyo.
46	289	30	103	418	7,203	39	10,894	91	183	8	112	177	Colo.
2	198	5	13	42	690	3	19,906	15	20	2	14	36	N. Mex.
8	327	15	47	90	1,872	16	60,325	41	72	1	81	134	Ariz.
80	174	18	28	45	1,421	4	1,083	8	30	4	221	294	Utah.
11	13	20	12	108	1,070	8	1,169	5	36	104	40	50	Nev.
6,009	1,762	1,048	1,738	5,566	110,758	703	87,613	911	4,311	8,984	4,836	3,849	Pac.
259	318	288	315	2,581	40,407	318	434	100	303	44	610	669	Wash.
63	185	56	95	679	13,095	49	569	58	122	48	213	296	Oreg.
5,687	1,259	704	1,328	2,306	57,256	336	86,610	753	3,886	8,892	4,013	2,875	Calif.

[2] Except possessions of the United States.
[4] Includes Azores and Cape Verde Islands.
[5] Comprises Africa, Pacific Islands, country not specified, and at sea.

No. 37.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER: BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1920

Country of birth	Male					Female				
	Total 21 years and over [1]	Citizens		Having first papers	Aliens	Total 21 years and over [1]	Citizens		Having first papers	Aliens
		Number	Per cent				Number	Per cent		
1910, total [2]	6,646,817	3,034,117	45.6	570,772	2,266,535					
1920, total	6,928,452	3,314,910	47.8	1,116,744	2,138,237	5,570,288	2,893,787	52.0	77,532	2,226,673
EUROPE										
Northwestern Europe:										
England	392,116	253,937	64.8	50,338	55,143	353,282	233,702	66.2	4,500	83,301
Scotland	122,568	77,903	63.6	18,125	16,942	108,966	67,769	62.2	1,624	29,901
Wales	34,806	25,501	73.5	2,967	2,385	29,429	22,169	75.3	232	3,942
Ireland	448,573	324,100	72.3	43,995	47,181	573,104	350,821	61.2	8,269	152,385
Norway	195,101	131,322	67.3	29,223	23,640	153,784	106,710	69.4	2,684	32,583
Sweden	334,849	232,761	69.5	47,632	37,257	270,700	190,931	70.5	4,594	58,039
Denmark	109,754	76,412	69.6	15,447	10,978	71,044	51,127	72.0	1,105	13,771
Netherlands	67,901	39,462	58.1	12,304	12,135	49,276	30,459	61.8	778	14,743
Belgium and Luxemburg	39,295	21,722	55.3	8,504	6,515	27,228	15,213	55.9	487	9,573
Switzerland	65,656	42,623	64.9	7,915	9,934	48,736	32,885	67.5	744	10,231
France	73,937	44,421	60.1	9,811	13,567	66,959	38,309	57.2	1,101	20,856
Central Europe:										
Germany	873,231	630,843	73.3	101,473	74,277	775,653	573,608	74.0	13,722	117,478
Poland	602,918	108,354	27.9	139,769	270,386	445,132	134,281	30.2	6,339	290,025
Czechoslovakia	182,913	81,705	44.7	45,520	49,119	152,417	76,630	50.3	2,832	65,694
Austria	300,899	109,615	36.4	63,446	114,712	227,262	95,045	41.8	2,289	116,801
Hungary	196,093	55,188	28.1	50,215	84,406	157,699	50,995	32.3	2,045	97,355
Yugoslavia	107,974	23,140	21.4	27,687	54,134	47,982	15,676	32.7	836	30,085
Eastern Europe:										
Russia	682,208	284,320	41.7	127,879	246,604	529,129	225,241	42.6	6,651	274,844
Lithuania	79,308	20,254	25.5	15,180	41,194	48,334	12,979	26.9	544	33,642
Finland	80,407	31,550	39.2	17,466	28,511	59,608	27,323	45.8	1,047	28,559
Rumania	52,979	21,602	40.8	11,718	17,949	39,138	17,278	44.1	618	19,516
Bulgaria and Turkey in Europe	12,530	1,605	12.8	2,310	8,083	2,035	530	26.0	42	1,382
Southern Europe:										
Greece	135,207	23,093	17.1	20,736	85,459	26,308	5,036	19.1	308	19,894
Italy	858,111	259,547	30.2	154,330	418,583	550,822	160,166	29.1	5,356	366,344
Spain	31,540	2,814	8.9	2,285	25,061	9,896	1,636	16.5	62	7,655
Portugal	33,837	5,854	17.3	2,274	24,527	22,739	4,211	18.5	120	17,622
Other Europe	7,916	1,814	22.9	1,112	4,610	2,573	1,279	49.7	42	990
ASIA										
Armenia	23,746	6,664	28.1	4,419	11,851	9,780	3,349	34.2	144	5,926
Syria	28,478	8,821	31.0	5,610	12,683	18,097	5,236	28.9	262	11,568
All other Asia	13,539	3,817	28.2	2,196	6,715	5,314	2,142	40.3	83	2,698
AMERICA										
Canada—French	141,514	66,579	47.0	21,997	46,094	132,662	66,402	50.1	1,179	57,475
Canada—Other and Newfoundland	355,063	205,794	58.0	44,257	69,690	384,507	248,783	64.7	4,671	96,607
Mexico	189,974	6,363	3.3	2,506	172,127	129,723	11,261	8.7	240	112,995
West Indies [3]	11,090	3,461	29.6	1,088	5,673	9,999	3,220	32.3	107	5,327
Central and South America	9,215	2,147	23.3	1,038	5,052	5,331	1,903	35.7	85	2,729
OTHER COUNTRIES										
Australia	5,370	2,446	45.5	825	1,491	4,352	2,553	58.7	73	1,524
Atlantic Islands [4]	18,393	4,395	23.9	1,213	12,209	15,164	3,336	22.0	58	11,269
All other [5]	8,813	3,871	43.9	938	1,855	6,134	3,593	58.6	59	1,383

[1] Totals include persons whose citizenship was not reported.
[2] No inquiry as to the citizenship of females prior to 1920.
[3] Except possessions of the United States.
[4] Includes Azores and Cape Verde Islands.
[5] Comprises Africa, Pacific Islands, country not specified, and at sea.

Source: Bureau of the Census, Department of Commerce.

No. 38.—URBAN AND RURAL POPULATION: BY CLASSES AND AGE GROUPS, CONTINENTAL UNITED STATES

NOTE.—For definition of urban and rural population and totals for earlier years, see headnote, Table 39

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1910	1920	1910	1920	1910	1920	1910	1920
Total	42,166,120	54,304,603	49,806,146	51,406,017	100.0	100.0	100.0	100.0
White	39,379,294	50,620,084	42,352,663	44,200,831	93.4	93.2	85.0	86.0
Negro	2,684,797	3,559,473	7,142,966	6,903,658	6.4	6.6	14.3	13.4
All other	102,029	125,046	310,517	301,528	0.2	0.2	0.6	0.6
Native white:								
Native parentage	17,621,230	24,556,729	31,867,345	33,865,228	41.8	45.2	64.0	65.9
Foreign or mixed parentage	12,225,331	15,706,372	6,672,506	6,979,832	29.0	28.9	13.4	13.6
Foreign-born white	9,532,733	10,356,983	3,812,812	3,355,771	22.6	19.1	7.7	6.5

	Sex distribution, 1920					
	Urban			Rural		
	Male	Female	Males per 100 females	Male	Female	Males per 100 females
Total	27,203,312	27,101,291	100.4	26,697,119	24,708,898	108.0
White	25,373,627	25,246,457	100.5	23,057,028	21,143,803	109.0
Negro	1,737,820	1,821,653	95.4	3,471,016	3,432,042	101.2
All other	91,865	33,181	276.9	168,475	133,053	126.6
Native white:						
Native parentage	12,190,465	12,366,264	98.6	17,446,316	16,418,912	106.3
Foreign or mixed parentage	7,622,766	8,083,606	94.3	3,642,786	3,337,046	109.2
Foreign-born white	5,560,396	4,796,587	115.9	1,967,926	1,387,845	141.8

Class	Age distribution, 1920					
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over
URBAN POPULATION						
Total urban	5,275,751	5,050,276	4,664,312	4,445,963	23,203,269	11,566,197
Per cent of total[1]	9.7	9.3	8.6	8.2	42.7	21.3
Males	2,662,585	2,531,575	2,313,652	2,130,053	11,657,721	5,845,617
Females	2,613,166	2,518,701	2,350,660	2,315,910	11,545,548	5,720,580
White	4,995,277	4,751,102	4,368,076	4,127,762	21,375,775	10,917,249
Negro	268,069	291,762	291,094	310,522	1,762,692	621,935
All other	12,405	7,412	5,142	7,679	64,802	27,013
Native white:						
Native parentage	2,791,238	2,534,608	2,333,029	2,210,680	9,985,517	4,639,820
Foreign or mixed parentage	2,174,535	2,096,478	1,790,012	1,503,354	5,689,320	2,444,082
Foreign-born white	29,504	120,016	245,035	413,728	5,700,938	3,832,747
RURAL POPULATION						
Total rural	6,297,479	6,347,799	5,976,825	4,934,593	17,352,274	10,397,163
Per cent of total[1]	12.3	12.3	11.6	9.7	33.8	20.2
Males	3,194,876	3,221,426	3,055,054	2,543,739	8,898,244	5,752,414
Females	3,102,603	3,126,373	2,921,771	2,440,854	8,454,030	4,644,769
White	5,378,644	5,336,143	5,001,246	4,186,393	15,011,398	9,248,187
Negro	875,630	974,445	945,820	772,693	2,233,391	1,091,575
All other	43,205	37,211	29,759	25,507	107,485	57,421
Native white:						
Native parentage	4,575,292	4,443,255	4,122,680	3,388,366	10,967,215	6,338,068
Foreign or mixed parentage	787,872	843,020	792,239	683,813	2,546,535	1,323,114
Foreign-born white	15,480	49,868	86,327	114,214	1,497,648	1,586,985

[1] Per cents based on total for all ages including the small number reported as of unknown age.

Source: Bureau of the Census, Department of Commerce.

No. 39.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—All incorporated places, and in Massachusetts, Rhode Island, and New Hampshire (prior to 1920, also in other New England States) all towns, having 2,500 inhabitants or more are treated as urban and the remainder of the country as rural. Total urban population of United States, 1880, 14,358,167; 1890, 22,298,359; rural, 1880, 35,797,616; 1890, 40,649,355; per cent urban, 1880, 28.6; 1890, 35.4

Division and State	1880		1910		1920		Per cent urban		
	Urban	Rural	Urban	Rural	Urban	Rural	1900	1910	1920
Continental United States	30,380,433	45,614,142	42,166,120	49,806,146	54,304,603	51,408,017	40.0	45.8	51.4
New England	4,063,427	1,538,590	4,998,082	1,554,599	5,385,073	1,535,836	72.5	76.3	70.2
Maine	232,827	461,639	262,248	480,123	299,569	468,445	33.5	35.3	39.0
New Hampshire	226,269	185,319	255,099	175,473	270,761	163,322	55.0	59.2	63.1
Vermont	75,831	267,810	98,917	257,089	109,976	242,452	22.1	27.8	31.2
Massachusetts	2,567,098	238,248	3,125,367	241,049	3,650,248	202,108	91.5	92.8	94.8
Rhode Island	407,647	20,909	524,654	17,956	539,180	15,217	95.1	96.7	97.5
Connecticut	543,755	364,665	731,797	382,959	936,339	444,292	59.9	65.6	67.8
Middle Atlantic	10,075,883	5,376,795	13,723,373	5,692,519	16,672,595	5,588,549	65.2	71.0	74.9
New York	5,298,111	1,970,783	7,185,494	1,928,120	8,589,844	1,795,383	72.9	78.8	82.7
New Jersey	1,329,162	554,507	1,907,210	629,957	2,474,936	980,964	70.6	75.2	78.4
Pennsylvania	3,448,610	2,853,505	4,630,669	3,034,442	5,607,815	3,112,202	54.7	60.4	64.3
East North Central	7,219,975	8,765,606	9,617,271	6,633,350	13,049,272	8,426,271	45.2	52.7	60.8
Ohio	1,908,382	2,159,163	2,665,143	2,101,978	3,677,136	2,082,258	48.1	55.9	63.8
Indiana	862,689	1,653,773	1,143,835	1,557,041	1,482,855	1,447,535	34.3	42.4	50.6
Illinois	2,616,368	2,205,182	3,476,929	2,161,662	4,403,153	2,082,127	54.3	61.7	67.9
Michigan	952,323	1,468,659	1,327,044	1,483,129	2,241,560	1,426,852	39.3	47.2	61.1
Wisconsin	790,213	1,278,829	1,004,320	1,329,540	1,244,568	1,387,499	38.2	43.0	47.3
West North Central	2,946,544	7,400,879	3,873,716	7,764,205	4,727,372	7,816,877	28.5	33.3	37.7
Minnesota	598,100	1,153,294	850,294	1,225,414	1,051,593	1,335,532	34.1	41.0	44.1
Iowa	572,386	1,669,467	680,054	1,544,717	875,495	1,528,526	25.6	30.6	36.4
Missouri	1,128,104	1,978,561	1,398,817	1,894,518	1,580,903	1,817,152	36.3	42.5	46.6
North Dakota	23,418	295,733	63,236	513,820	88,239	558,633	7.3	11.0	13.6
South Dakota	40,936	360,634	76,673	507,215	101,872	534,675	10.2	13.1	16.0
Nebraska	252,702	813,598	310,852	881,362	405,306	891,066	23.7	26.1	31.3
Kansas	330,903	1,139,592	493,790	1,197,159	617,964	1,151,293	22.5	29.2	34.9
South Atlantic	2,232,682	8,210,843	3,092,153	9,102,742	4,338,792	9,651,480	21.4	25.4	31.0
Delaware	35,717	99,018	97,085	105,237	120,767	102,230	40.4	48.0	54.2
Maryland	591,206	590,838	658,192	637,154	859,422	580,239	49.8	50.8	60.0
District of Columbia	278,718		331,069		437,571		100.0	100.0	100.0
Virginia	340,067	1,614,117	476,529	1,585,083	673,984	1,635,203	18.3	23.1	29.2
West Virginia	125,465	833,335	228,242	992,877	369,007	1,094,694	13.1	18.7	25.2
North Carolina	186,790	1,707,020	318,474	1,887,813	490,370	2,068,753	9.9	14.4	19.2
South Carolina	171,256	1,169,060	224,832	1,200,568	293,987	1,389,737	12.8	14.8	17.5
Georgia	346,382	1,869,949	538,650	2,070,471	727,859	2,167,973	15.6	20.6	25.1
Florida	107,081	421,511	219,080	533,539	355,825	612,645	20.3	29.1	36.7
East South Central	1,131,058	8,416,701	1,574,229	6,885,672	1,994,207	6,899,100	15.0	18.7	22.2
Kentucky	467,658	1,679,506	555,442	1,734,463	693,543	1,783,087	21.8	24.3	28.1
Tennessee	326,639	1,693,977	441,045	1,743,744	611,226	1,726,659	16.2	20.2	26.4
Alabama	216,714	1,611,983	370,431	1,767,662	509,317	1,838,857	11.9	17.3	21.7
Mississippi	120,035	1,431,235	207,311	1,589,803	240,121	1,550,497	7.7	11.5	13.4
West South Central	1,057,197	5,475,093	1,957,456	6,827,078	2,970,829	7,271,395	16.2	22.3	29.0
Arkansas	111,733	1,199,831	202,081	1,371,768	290,497	1,461,707	8.5	12.9	16.6
Louisiana	366,288	1,015,337	496,516	1,159,872	628,163	1,170,346	26.5	30.0	34.9
Oklahoma	58,417	731,974	320,155	1,337,000	539,480	1,488,803	7.4	19.3	26.6
Texas	520,759	2,527,951	938,104	2,958,438	1,512,689	3,150,539	17.1	24.1	32.4
Mountain	541,383	1,133,294	947,511	1,686,006	1,214,980	2,121,121	32.3	36.0	36.4
Montana	84,554	158,775	133,420	242,633	172,011	376,878	34.7	35.5	31.3
Idaho	10,003	151,769	69,898	255,696	119,037	312,829	6.2	21.5	27.6
Wyoming	26,657	65,874	43,221	102,744	57,348	137,054	28.8	29.6	29.5
Colorado	260,651	279,049	404,840	394,184	453,259	486,370	48.3	50.7	48.2
New Mexico	27,381	167,929	46,571	280,730	64,960	295,390	14.0	14.2	18.0
Arizona	19,495	103,436	63,260	141,094	117,527	216,635	15.9	31.0	35.2
Utah	105,427	171,322	172,934	200,417	215,584	233,812	38.1	46.3	48.0
Nevada	7,195	35,140	13,367	68,508	15,254	62,153	17.0	16.3	19.7
Pacific	1,122,356	1,294,336	2,382,329	1,809,975	3,471,483	2,095,388	46.4	56.9	62.4
Washington	211,477	306,626	605,530	536,460	748,735	607,886	40.8	53.0	55.2
Oregon	133,180	280,356	307,060	365,705	391,019	302,370	32.2	45.6	49.9
California	777,699	707,354	1,469,739	907,810	2,331,729	1,095,132	52.4	61.8	68.0

Source: Bureau of the Census, Department of Commerce.

No. 40.—POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE

Year	Total population	Places of 8,000 inhabitants or more			Year	Total population	Places of 8,000 inhabitants or more		
		Population	Number of places	Per cent of total population			Population	Number of places	Per cent of total population
1790	3,929,214	131,472	6	3.3	1860	31,443,321	5,072,256	141	16.1
1800	5,308,483	210,873	6	4.0	1870	38,558,371	8,071,875	226	20.9
1810	7,239,881	356,920	11	4.9	1880	50,155,783	11,365,698	285	22.7
1820	9,638,453	475,135	13	4.9	1890	62,947,714	18,244,239	445	29.0
1830	12,866,020	864,509	26	6.7	1900	75,994,575	25,018,335	547	32.9
1840	17,069,453	1,453,994	44	8.5	1910	91,972,266	35,570,334	768	38.7
1850	23,191,876	2,897,586	85	12.5	1920	105,710,620	46,307,640	924	43.8

No. 41.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—For definition of urban and rural population see Table 39

Class	1890		1900		1910	
	Number of places	Population	Number of places	Population	Number of places	Population
Total		62,947,714		75,994,575		91,972,266
Urban territory	1,417	22,298,359	1,801	30,380,433	2,813	42,166,120
Places of 1,000,000 or more	3	3,002,115	3	6,429,474	3	8,501,174
Places of 500,000 to 1,000,000	1	806,343	3	1,045,087	5	3,010,667
Places of 250,000 to 500,000	7	2,447,608	9	2,861,296	11	3,949,839
Places of 100,000 to 250,000	17	2,781,894	23	3,272,490	31	4,840,458
Places of 50,000 to 100,000	30	2,022,822	40	2,709,338	59	4,178,915
Places of 25,000 to 50,000	66	2,268,786	82	2,800,627	11	4,026,045
Places of 10,000 to 25,000	228	3,429,247	280	4,338,250	367	5,524,434
Places of 5,000 to 10,000	339	2,372,717	408	3,220,766	612	4,254,856
Places of 2,500 to 5,000	726	2,506,827	893	3,103,105	1,106	3,879,732
Rural territory		40,649,355		45,614,142		49,806,146
Incorporated places of less than 2,500	[1] 6,490	4,757,974	8,930	6,301,533	11,832	8,169,140
Other rural territory		35,891,381		39,312,609		41,636,997

Class	1920		Per cent of total population			
	Number of places	Population	1890	1900	1910	1920
Total		105,710,620	100.0	100.0	100.0	100.0
Urban territory	2,787	54,304,603	35.4	40.0	45.8	51.4
Places of 1,000,000 or more	3	10,145,532	5.8	8.5	9.2	9.6
Places of 500,000 to 1,000,000	9	6,223,759	1.3	2.2	3.3	5.9
Places of 250,000 to 500,000	13	4,540,838	3.9	3.8	4.3	4.3
Places of 100,000 to 250,000	43	6,519,187	4.4	4.3	5.3	6.2
Places of 50,000 to 100,000	76	5,265,747	3.2	3.6	4.5	5.0
Places of 25,000 to 50,000	143	5,075,041	3.6	3.7	4.4	4.8
Places of 10,000 to 25,000	459	6,942,742	5.4	5.7	6.0	6.6
Places of 5,000 to 10,000	721	4,997,794	3.8	4.2	4.6	4.7
Places of 2,500 to 5,000	1,320	4,593,953	4.0	4.1	4.2	4.3
Rural territory		51,406,017	64.6	60.0	54.2	48.6
Incorporated places of less than 2,500	12,905	8,969,241	7.6	8.3	8.9	8.5
Other rural territory		42,436,776	57.0	51.7	45.3	40.1

[1] At the 1890 census incorporated places were not distinguished from unincorporated ones. The figures for that year for incorporated places of less than 2,500 inhabitants have been estimated, assuming that those places were incorporated in 1890 which were returned separately in that year and were returned in 1900 as incorporated, and may include the population of some unincorporated places and exclude that of some incorporated.

Source of Tables 40 and 41: Bureau of the Census, Department of Commerce.

No. 42.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES, 1920, WITH COMPARATIVE TOTALS FOR 1910, CONTINENTAL UNITED STATES

NOTE.—The number divorced is considered to be understated. The small number unknown is omitted. The method of segregating the urban and rural population in certain New England States has been changed since 1910 (see headnote, Table 39), so that the absolute numbers for marital condition in 1910 are not strictly comparable; the percentages, however, would not be affected by the small change

Class	Persons 15 years of age and over					Per cent of total			
	Total [1]	Single	Married	Widowed	Divorced	Single	Married	Widowed	Divorced
1920									
URBAN POPULATION									
Males, total	19,695,500	8,982,294	11,605,237	897,500	142,778	35.5	58.9	4.6	0.7
White	18,291,365	8,502,835	10,784,411	813,153	128,610	35.6	59.0	4.4	0.7
Negro	1,325,393	441,845	782,776	82,518	13,928	33.3	59.1	6.2	1.1
All other	78,739	37,614	38,050	1,829	231	47.8	48.3	2.3	0.3
Native white—									
Native parentage	8,350,138	3,025,709	4,840,805	363,354	77,523	36.2	58.0	4.4	0.9
Foreign or mixed parentage	4,678,547	2,121,369	2,269,772	151,574	28,683	46.3	49.6	3.3	0.6
Foreign-born white	5,362,678	1,355,757	3,667,834	298,225	22,413	25.3	68.4	5.6	0.4
Females, total	19,618,764	5,698,873	11,310,188	2,395,622	188,151	29.0	57.6	12.2	0.6
White	18,214,266	5,378,832	10,503,936	2,143,651	102,516	29.5	57.7	11.8	0.9
Negro	1,383,150	315,842	790,160	250,844	23,523	22.8	57.1	18.1	1.7
All other	21,348	3,949	16,092	1,127	142	18.5	75.4	5.3	0.7
Native white—									
Native parentage	8,547,716	2,654,151	4,801,681	976,781	101,304	31.1	56.2	11.4	1.2
Foreign or mixed parentage	5,066,800	2,008,742	2,561,345	452,393	38,585	39.6	50.6	8.9	0.8
Foreign-born white	4,599,750	715,989	3,140,910	714,477	22,627	15.6	68.3	15.5	0.6
RURAL POPULATION									
Males, total	17,225,163	5,985,271	10,244,029	860,808	92,506	34.7	59.5	5.0	0.5
White	15,044,223	5,279,830	8,913,702	736,011	79,044	35.1	59.3	4.9	0.5
Negro	2,067,813	663,032	1,267,631	118,216	12,761	32.1	61.3	5.7	0.6
All other	113,127	42,409	62,696	6,581	701	37.5	55.4	5.8	0.6
Native white—									
Native parentage	10,741,969	3,750,809	6,397,484	511,467	57,266	34.9	59.6	4.8	0.5
Foreign or mixed parentage	2,412,393	1,029,731	1,281,110	84,720	12,241	42.7	53.1	3.5	0.5
Foreign-born white	1,880,861	499,290	1,235,108	139,824	9,537	26.4	65.4	7.4	0.5
Females, total	15,558,751	3,918,229	10,008,745	1,523,003	87,123	25.2	64.3	9.8	0.6
White	13,440,575	3,393,850	8,706,302	1,256,011	66,049	25.3	64.8	9.3	0.5
Negro	2,039,950	509,416	1,249,021	257,117	20,348	25.0	61.2	12.6	1.0
All other	78,226	14,963	53,422	8,875	726	19.1	68.3	11.3	0.9
Native white—									
Native parentage	9,982,032	2,614,339	6,394,184	905,219	51,439	26.2	64.1	9.1	0.5
Foreign or mixed parentage	2,144,303	669,701	1,329,525	143,014	9,581	30.8	62.0	6.7	0.4
Foreign-born white	1,314,235	119,810	982,593	204,778	5,029	9.1	74.8	15.6	0.4
1910									
Urban population—									
Males	15,687,914	6,270,507	8,582,080	695,893	78,616	40.0	54.7	4.2	0.5
Females	15,333,853	5,025,467	8,376,444	1,786,292	110,991	32.8	54.6	11.6	0.7
Rural population—									
Males	16,737,891	6,273,622	9,510,520	805,497	77,546	37.5	56.8	4.8	0.5
Females	14,713,472	3,907,703	9,308,243	1,389,936	74,077	26.6	63.3	9.4	0.5

[1] Total includes persons whose marital condition was not reported.

No. 43.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES

Tenure	Urban		Rural	
	1910	1920	1910	1920
Number of dwellings	7,160,349	9,484,550	10,645,496	11,212,654
Average persons per dwelling	5.9	5.7	4.7	4.6
Number of families	9,395,436	12,803,047	10,860,119	11,548,629
Average persons per family	4.5	4.2	4.6	4.5
Families having homes, 1920:	*Number*	*Per cent*	*Number*	*Per cent*
Rented	7,879,348	62.6	5,064,250	45.1
Owned—Free	2,440,695	19.8	4,081,424	37.5
Mortgaged	2,167,993	17.6	1,891,600	17.4
Unknown	99,027	(1)	186,221	(1)
Tenure unknown	215,984	(1)	325,134	(1)

[1] *In computing percentages, the numbers representing the unknown items have been distributed in the same proportions as the known items.*

Source of Tables 42 and 43: Bureau of the Census, Department of Commerce.

No. 44.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES

NOTE.—Owing to change in the date of enumeration from April to January and to changes in the wording of the instructions, the number of persons, especially women and children, reported as farm laborers was much less in 1920 than would have been the case if the 1910 method had been followed. The incomparability in this occupation affects materially the figures for the agricultural group as a whole and even for all occupations combined. For discussion see Census of 1920, Vol. IV, pp. 12 to 14

Census year and age period	Males, 10 years and over			Females, 10 years and over		
	Total number	In gainful occupations		Total number	In gainful occupations	
		Number	Per cent		Number	Per cent
1910						
10 years and over	37,027,558	30,091,564	81.3	34,552,712	8,075,772	23.4
10 to 13 years	3,665,779	609,030	16.6	3,593,239	286,946	8.0
14 and 15 years	1,798,449	744,109	41.4	1,770,898	350,140	19.8
16 to 20 years	4,564,179	3,615,623	79.2	4,632,821	1,847,600	39.9
21 to 44 years [1]	17,849,843	17,262,209	96.7	16,331,449	4,302,969	26.3
45 years and over	9,149,308	7,860,593	85.9	8,224,305	1,288,117	15.7
1920						
10 years and over	42,289,669	33,064,737	78.2	40,449,346	8,549,511	21.1
10 to 13 years	4,336,009	258,259	6.0	4,258,863	119,804	2.8
14 and 15 years	1,958,976	455,989	23.3	1,948,734	226,806	11.6
16 and 17 years	1,902,867	1,103,456	58.0	1,925,264	609,192	31.6
18 and 19 years	1,845,246	1,443,968	78.3	1,895,734	802,235	42.3
20 to 24 years	4,527,045	4,121,392	91.0	4,749,976	1,809,075	38.1
25 to 44 years	16,028,920	15,579,580	97.2	15,249,602	3,417,373	22.4
45 to 64 years	9,114,960	8,552,175	93.8	7,915,205	1,352,479	17.1
65 years and over	2,483,071	1,492,837	60.1	2,450,144	196,900	8.0
Age unknown	92,875	57,075	61.5	55,824	15,647	28.0

[1] Includes persons of unknown age.

No. 45.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX, AGE, AND PRINCIPAL CLASSES, CONTINENTAL UNITED STATES, 1920

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. See headnote, Table 44

Sex and age periods	Native white-native parentage		Native white-foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Male	16,788,668	75.1	6,237,012	75.2	8,627,997	89.3	2,262,862	81.1
10 to 13 years	144,605	5.5	13,150	1.2	3,269	2.6	96,470	19.5
14 and 15 years	245,639	20.6	94,260	20.7	19,657	24.7	95,407	42.4
16 and 17 years	608,005	53.2	279,938	62.8	72,461	71.6	146,568	68.2
18 and 19 years	823,481	75.3	341,770	81.0	102,814	87.3	171,209	83.8
20 to 24 years	2,289,446	89.9	925,130	91.2	435,548	95.3	455,308	93.5
25 to 44 years	7,726,512	97.0	2,910,176	96.9	3,484,701	98.1	1,376,666	97.3
45 to 64 years	4,088,668	93.9	1,508,163	92.6	2,143,433	93.5	767,459	97.2
65 years and over	831,466	60.9	160,123	63.1	355,075	52.3	139,476	80.2
Age unknown	30,856	52.5	4,312	73.9	11,039	80.4	10,299	76.2
Female	3,738,329	17.2	2,110,454	24.8	1,118,463	18.4	1,571,289	38.9
10 to 13 years	48,437	1.9	4,356	0.4	1,501	1.2	64,982	13.1
14 and 15 years	88,495	7.6	63,294	13.9	14,265	17.7	60,372	25.5
16 and 17 years	264,121	23.2	203,981	45.3	56,929	54.9	83,549	37.2
18 and 19 years	378,393	34.4	248,415	57.6	72,237	68.6	102,238	43.7
20 to 24 years	855,946	32.5	521,017	48.8	177,030	37.7	252,417	44.5
25 to 44 years	1,439,349	18.4	774,177	24.6	506,267	18.6	689,933	45.2
45 to 64 years	558,202	14.4	271,734	16.7	250,084	13.9	269,955	45.7
65 years and over	93,033	6.8	21,686	8.3	38,453	5.9	43,006	27.1
Age unknown	7,353	22.0	1,794	33.2	1,697	26.0	4,747	47.5

Source of Tables 44 and 45: Bureau of the Census, Department of Commerce.

No. 46.—PERSONS 10 YEARS OF AGE AND OVER IN EACH GENERAL DIVISION OF OCCUPATIONS: CONTINENTAL UNITED STATES

NOTE.—See headnote, Table 44

Class of occupation	Both sexes		Males		Females	
	1910	1920	1910	1920	1910	1920
All occupations	38, 167, 338	41, 614, 248	30, 091, 564	33, 064, 737	8, 075, 772	8, 549, 511
Agriculture, forestry, and animal husbandry	[1] 12,659, 082	10, 953, 158	[1] 10,851, 581	9, 869, 030	1, 807, 501	1, 084, 128
Extraction of minerals	[1] 965, 169	1, 090, 223	[1] 964, 075	1, 087, 359	1, 094	2, 864
Manufacturing and mechanical industries	[1] 10, 628, 731	12, 818, 524	[1] 8, 808, 161	10, 888, 183	[1] 1, 820, 570	1, 930, 341
Transportation	[1] 2, 637, 420	3, 063, 582	[1] 2, 530, 795	2, 850, 528	[1] 106, 625	213, 054
Trade	3, 614, 670	4, 242, 976	3, 146, 582	3, 575, 187	468, 088	667, 792
Public service (not elsewhere classified)	459, 291	770, 460	445, 733	748, 666	13, 558	21, 794
Professional service	[1] 1, 693, 361	2, 143, 889	[1] 959, 470	1, 127, 391	[1] 733, 891	1, 016, 498
Domestic and personal service	[1] 3, 772, 559	3, 404, 892	[1] 1, 241, 338	1, 217, 968	[1] 2, 531, 221	2, 186, 924
Clerical occupations	1, 737, 053	3, 126, 541	1, 143, 829	1, 700, 425	593, 224	1, 426, 116
Per cent of total	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0
Agriculture, forestry, and animal husbandry	33. 2	26. 3	36. 1	29. 8	22. 4	12. 7
Extraction of minerals	2. 5	2. 6	3. 2	3. 3	(2)	(2)
Manufacturing and mechanical industries	27. 8	30. 8	29. 3	32. 9	22. 5	22. 6
Transportation	6. 9	7. 4	8. 4	8. 6	1. 3	2. 5
Trade	9. 5	10. 2	10. 5	10. 8	5. 8	7. 8
Public service (not elsewhere classified)	1. 2	1. 9	1. 5	2. 3	0. 2	0. 3
Professional service	4. 4	5. 2	3. 2	3. 4	9. 1	11. 9
Domestic and personal service	9. 9	8. 2	4. 1	3. 7	31. 3	25. 6
Clerical occupations	4. 6	7. 5	3. 8	5. 1	7. 3	16. 7

[1] Figures corrected to conform to 1920 classification. [2] Less than one-tenth of 1 per cent.

No. 47.—NUMBER ENGAGED IN EACH GENERAL DIVISION OF OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES, 1920

NOTE.—For totals of all ages see Table 46. A few persons of unknown age are omitted. See also headnote Table 44

Class of occupation	Age groups—							
	10 to 13 years	14 and 15 years	16 and 17 years	18 and 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years and over
MALE								
All occupations	258, 259	456, 989	1, 103, 456	1, 449, 989	4, 121, 392	15, 579, 598	8, 552, 175	1, 492, 837
Agriculture, forestry, and animal husbandry	221, 409	237, 829	396, 484	457, 588	1, 134, 649	3, 966, 116	2, 783, 518	662, 046
Extraction of minerals	598	3, 447	42, 906	54, 024	143, 920	577, 472	236, 137	22, 356
Manufacturing and mechanical industries	6, 737	97, 598	366, 215	475, 401	1, 395, 784	5, 461, 425	2, 685, 508	378, 673
Transportation	1, 682	13, 935	60, 989	120, 285	404, 352	1, 503, 895	661, 331	76, 619
Trade	16, 369	32, 865	79, 620	104, 222	372, 471	1, 799, 041	1, 020, 498	144, 500
Public service (not elsewhere classified)	136	949	10, 833	50, 993	114, 931	306, 491	214, 156	47, 415
Professional service	325	1, 654	5, 774	17, 792	106, 632	605, 682	328, 893	58, 614
Domestic and personal service	4, 880	11, 202	24, 388	32, 940	112, 716	603, 619	357, 849	66, 685
Clerical occupations	6, 123	53, 510	116, 247	130, 723	335, 937	755, 845	264, 285	35, 929
FEMALE								
All occupations	119, 804	226, 806	609, 192	802, 235	1, 809, 075	3, 417, 373	1, 352, 479	196, 900
Agriculture, forestry, and animal husbandry	107, 549	80, 522	81, 427	71, 407	130, 790	337, 087	219, 802	54, 356
Extraction of minerals	49	97	304	299	510	1, 125	405	66
Manufacturing and mechanical industries	2, 736	78, 266	221, 298	214, 340	382, 705	730, 250	271, 047	26, 986
Transportation	217	3, 078	27, 396	39, 960	70, 702	63, 266	7, 660	547
Trade	844	13, 290	55, 042	67, 744	138, 915	201, 653	91, 725	7, 408
Public service (not elsewhere classified)	17	28	94	547	2, 929	12, 096	5, 554	471
Professional service	296	1, 100	11, 449	69, 450	298, 827	490, 894	130, 500	10, 976
Domestic and personal service	7, 292	30, 632	88, 148	118, 729	302, 226	972, 489	568, 448	93, 135
Clerical occupations	804	19, 703	124, 034	219, 663	481, 411	518, 508	57, 338	2, 955

Source of Tables 46 and 47: Bureau of the Census, Department of Commerce.

No. 48.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS: BY STATES

NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over. See also headnote, Table 44

Division and State	Males				Females			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
Continental United States	30,091,564	33,064,737	81.3	78.2	8,075,772	8,549,511	23.4	21.1
New England	2,139,529	2,363,377	80.7	80.4	775,151	871,015	28.9	29.0
Maine	242,175	245,013	78.8	77.9	63,282	64,845	21.3	21.1
New Hampshire	143,363	143,525	80.5	79.2	48,340	49,302	27.5	27.3
Vermont	115,781	111,585	77.9	77.2	28,308	26,899	20.2	19.2
Massachusetts	1,086,767	1,225,163	81.1	80.9	444,301	503,155	31.7	31.6
Rhode Island	180,962	194,438	82.5	82.0	70,939	80,562	32.1	32.7
Connecticut	370,481	443,653	81.3	81.0	119,981	146,252	27.0	27.1
Middle Atlantic	6,380,198	7,122,699	81.1	80.1	1,828,687	2,117,517	24.1	24.1
New York	3,020,158	3,367,909	81.0	80.4	983,686	1,135,295	26.7	26.9
New Jersey	834,795	1,014,863	81.1	80.8	239,565	295,990	24.0	23.9
Pennsylvania	2,525,245	2,740,127	81.3	79.5	605,436	686,232	20.9	20.7
East North Central	5,975,383	6,951,808	79.4	78.7	1,283,590	1,564,041	18.2	18.9
Ohio	1,572,343	1,891,546	79.8	79.4	346,712	409,970	18.5	18.3
Indiana	880,979	931,647	79.5	77.7	155,731	185,385	14.8	16.0
Illinois	1,865,422	2,086,800	80.0	78.8	431,356	540,938	20.0	21.3
Michigan	926,815	1,228,631	79.6	80.0	186,183	245,383	17.4	18.1
Wisconsin	729,804	813,184	76.5	75.8	162,008	182,365	18.6	18.3
West North Central	3,758,603	3,815,681	78.2	74.6	690,440	772,315	16.1	16.2
Minnesota	689,847	742,947	78.2	75.3	145,605	164,066	19.5	18.4
Iowa	694,799	717,377	76.1	73.2	131,514	141,321	15.5	15.2
Missouri	1,076,772	1,072,545	80.7	77.4	211,564	244,615	16.8	18.1
North Dakota	188,372	178,754	78.3	70.9	29,046	28,328	15.8	13.0
South Dakota	190,363	186,885	77.4	72.2	28,714	29,686	14.5	13.3
Nebraska	377,811	385,292	76.8	72.9	63,303	71,789	14.6	14.8
Kansas	540,639	531,881	77.3	73.8	80,694	92,510	13.0	13.7
South Atlantic	3,797,257	4,096,041	83.8	77.5	1,390,472	1,243,958	31.0	23.8
Delaware	68,317	73,122	81.5	79.7	17,546	18,102	22.1	20.8
Maryland	410,884	466,257	81.0	80.0	130,280	137,221	25.2	23.8
District of Columbia	105,044	143,401	79.6	82.6	52,921	92,626	36.0	45.5
Virginia	626,868	677,366	81.4	76.4	168,700	156,210	22.0	18.1
West Virginia	394,390	433,677	81.6	76.0	54,100	57,439	12.9	11.2
North Carolina	674,849	693,155	86.4	75.5	272,990	202,697	34.2	21.9
South Carolina	460,794	468,601	86.7	77.6	267,833	205,656	49.0	33.4
Georgia	807,185	840,412	85.9	78.6	352,941	288,745	37.3	26.7
Florida	248,920	300,050	83.2	77.7	73,161	85,262	27.5	23.3
East South Central	2,659,090	2,808,411	85.3	77.9	940,605	702,433	30.7	21.1
Kentucky	719,369	719,629	82.3	77.1	147,611	131,493	17.4	14.5
Tennessee	682,248	677,988	83.5	76.5	173,298	152,108	21.6	17.2
Alabama	683,194	684,348	88.3	79.5	314,330	223,868	40.9	25.8
Mississippi	574,279	526,446	88.2	78.7	305,366	194,964	47.6	29.1
West South Central	2,760,782	3,049,275	82.8	76.2	746,299	686,973	24.4	17.8
Arkansas	510,410	518,754	86.8	77.7	161,993	115,810	29.7	18.2
Louisiana	501,574	528,507	81.9	77.2	177,609	152,726	29.6	22.4
Oklahoma	520,376	586,834	80.3	73.6	78,253	94,594	14.2	13.2
Texas	1,228,422	1,415,180	82.7	76.6	328,444	303,843	24.1	17.8
Mountain	967,924	1,077,774	81.7	77.1	140,013	177,220	18.1	15.2
Montana	159,896	185,905	84.0	78.9	18,851	28,278	16.6	15.2
Idaho	118,050	135,950	80.4	75.5	13,038	17,509	12.8	12.0
Wyoming	67,593	72,134	87.5	81.7	6,013	9,402	14.9	15.0
Colorado	285,083	303,870	81.3	76.8	53,041	62,587	18.5	17.8
New Mexico	106,418	107,090	80.7	74.5	15,079	14,941	13.8	12.1
Arizona	77,236	112,193	81.5	78.1	10,589	18,386	16.8	16.4
Utah	113,113	127,418	76.9	74.0	18,427	21,783	14.4	13.7
Nevada	40,535	33,214	87.3	84.3	4,375	4,334	18.7	17.7
Pacific	1,652,818	1,979,671	82.1	79.8	281,515	434,039	19.0	20.4
Washington	455,375	485,767	82.4	80.3	66,126	92,900	17.4	18.7
Oregon	264,691	267,791	81.5	78.1	40,473	54,492	17.5	18.4
California	932,752	1,226,113	82.1	80.0	174,916	286,647	20.1	21.4

Source: Bureau of the Census, Department of Commerce.

No. 49.—MALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

NOTE.—For total number of males 10 years of age or over gainfully employed see Table 48

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Continental United States	9,869,930	1,037,353	10,868,183	3,850,538	3,575,187	748,668	1,127,391	1,217,868	1,702,425
New England	247,478	4,843	1,253,096	198,558	274,308	65,022	87,538	92,175	140,363
Maine	75,203	745	97,205	21,402	23,171	5,188	7,212	7,359	7,438
New Hampshire	29,390	404	74,373	11,649	12,203	2,821	4,272	4,248	4,165
Vermont	43,052	1,898	38,257	8,650	9,358	1,685	3,131	2,624	2,950
Massachusetts	55,759	1,195	668,645	111,350	160,331	37,222	50,626	54,294	85,231
Rhode Island	8,084	160	115,670	14,710	22,126	8,383	6,248	7,270	10,787
Connecticut	35,990	441	257,856	30,795	46,617	9,713	16,049	16,380	29,812
Middle Atlantic	639,264	343,038	3,126,524	741,491	900,307	155,564	284,824	340,120	551,563
New York	305,605	7,435	1,406,004	370,154	505,254	98,691	162,195	209,493	303,178
New Jersey	59,200	3,922	516,750	104,616	124,215	34,257	41,913	42,334	87,458
Pennsylvania	274,549	331,675	1,203,770	266,721	270,840	52,636	80,716	88,293	160,927
East North Central	1,587,033	215,637	2,739,796	677,911	731,712	124,302	237,951	235,962	391,104
Ohio	349,997	59,359	857,307	160,339	202,635	31,522	66,016	60,839	103,532
Indiana	289,552	33,276	331,848	77,925	95,511	13,851	39,586	25,732	86,366
Illinois	371,237	90,529	753,458	201,205	290,437	50,041	80,988	89,807	159,090
Michigan	281,562	28,582	562,838	82,530	119,309	19,303	36,803	36,882	60,762
Wisconsin	297,685	3,892	294,345	55,812	73,320	10,085	23,498	22,702	31,345
West North Central	1,642,863	73,995	849,661	332,124	450,368	57,581	124,742	128,032	156,495
Minnesota	295,258	14,975	180,607	64,977	87,761	11,220	24,307	25,482	35,360
Iowa	319,831	14,176	158,173	62,685	86,956	8,774	23,097	21,208	22,477
Missouri	383,195	21,468	280,280	94,113	135,441	17,727	37,110	43,960	59,251
North Dakota	116,457	1,296	17,849	11,510	16,772	1,408	4,907	4,260	4,295
South Dakota	114,259	1,433	24,287	12,041	18,997	1,683	5,505	4,812	3,868
Nebraska	183,080	387	76,782	33,796	47,117	5,235	12,733	12,402	13,810
Kansas	227,033	20,260	111,703	53,002	57,324	11,534	17,083	15,908	17,424
South Atlantic	1,797,738	133,843	1,012,013	308,651	340,787	119,639	110,521	117,631	155,218
Delaware	17,161	69	30,853	7,526	6,607	1,493	2,580	2,318	4,515
Maryland	92,745	6,630	171,220	52,951	54,323	21,400	16,971	18,696	31,321
Dist. Columbia	928	79	38,789	14,833	18,558	15,640	12,294	12,402	29,878
Virginia	283,102	16,181	167,771	61,397	56,960	31,321	16,510	20,339	23,785
West Virginia	119,703	102,856	108,031	30,115	29,844	4,128	12,435	8,645	11,920
North Carolina	397,214	1,956	164,397	34,803	46,913	8,619	13,461	13,022	12,770
South Carolina	203,644	621	88,515	20,926	29,805	10,382	8,209	8,884	7,615
Georgia	464,330	2,459	152,863	51,781	67,403	19,164	17,908	20,773	29,931
Florida	106,911	2,962	80,804	28,319	30,374	7,492	10,153	12,552	9,483
East South Central	1,494,091	104,792	454,118	162,287	185,378	34,552	55,462	57,184	80,871
Kentucky	374,428	51,384	121,408	46,972	55,034	16,087	17,344	16,534	20,348
Tennessee	363,798	17,509	128,118	48,734	59,514	7,395	16,132	18,091	18,016
Alabama	381,890	35,564	135,008	40,407	43,561	6,426	13,169	13,467	14,266
Mississippi	373,975	254	69,892	26,154	27,167	4,644	8,817	9,092	7,451
West South Central	1,597,024	82,740	543,527	232,309	277,152	70,696	81,696	94,998	99,033
Arkansas	342,341	5,551	72,109	27,288	33,809	7,754	11,357	10,010	8,535
Louisiana	238,325	7,581	124,707	48,874	46,116	10,033	12,297	18,943	21,631
Oklahoma	292,496	38,190	99,303	39,671	56,206	8,406	17,902	17,776	16,884
Texas	693,862	31,418	247,408	116,476	141,021	44,703	40,040	48,269	51,983
Mountain	413,356	92,851	210,036	105,600	105,644	29,374	39,420	41,522	39,472
Montana	82,772	10,691	30,962	17,957	16,427	2,588	5,926	6,603	5,979
Idaho	71,543	5,129	23,253	10,552	11,875	1,427	4,489	4,270	3,412
Wyoming	25,221	8,767	14,922	9,516	5,345	1,433	2,044	2,785	2,101
Colorado	90,925	23,357	67,677	29,900	39,070	6,538	12,547	13,402	14,364
New Mexico	53,204	7,302	14,142	10,664	7,142	6,353	3,056	3,060	2,158
Arizona	32,917	15,339	21,840	11,276	9,798	8,223	4,229	4,575	3,996
Utah	42,372	10,096	30,917	11,484	13,528	2,285	5,668	4,713	6,355
Nevada	8,401	6,170	6,923	4,151	2,459	527	1,461	2,015	1,107
Pacific	480,394	35,626	638,794	191,819	259,635	81,216	95,337	110,344	106,506
Washington	127,720	5,899	168,566	49,834	55,737	12,471	19,235	21,227	22,178
Oregon	89,692	2,197	81,215	26,826	30,477	4,362	11,201	10,685	11,136
California	262,982	24,620	389,013	115,159	173,431	44,383	64,901	78,432	73,192

Source: *Bureau of the Census*, Department of Commerce.

No. 50.—FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

NOTE.—For total number of females 10 years of age and over gainfully occupied see Table 48

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Continental United States	1,084,128	2,864	1,930,341	213,054	667,792	21,794	1,016,498	2,186,924	1,426,116
New England	8,102	10	379,171	16,635	55,164	1,298	87,748	168,266	154,621
Maine	2,101	3	22,953	1,238	4,368	268	9,412	16,608	7,804
New Hampshire	1,036	2	24,950	702	2,458	119	5,084	9,816	5,135
Vermont	1,208	1	6,415	628	1,609	106	4,490	9,006	3,376
Massachusetts	1,796	3	219,253	10,549	32,888	544	48,137	94,766	95,219
Rhode Island	270	-------	45,250	1,194	4,428	69	5,833	11,937	11,581
Connecticut	1,691	1	60,350	2,324	9,413	132	14,792	26,043	31,506
Middle Atlantic	20,988	884	685,864	57,738	174,657	3,111	229,165	494,889	450,213
New York	9,269	114	351,104	33,420	86,080	1,683	126,569	263,468	263,588
New Jersey	1,953	13	111,825	6,499	20,380	367	28,206	62,579	64,168
Pennsylvania	9,764	757	222,935	17,819	68,197	1,061	74,390	168,862	122,457
East North Central	46,757	601	371,268	51,136	161,934	3,533	207,148	378,861	342,503
Ohio	10,658	214	102,075	13,242	43,600	732	51,454	100,898	87,097
Indiana	7,454	46	45,598	6,043	19,024	489	26,247	47,567	32,917
Illinois	9,468	116	122,542	19,156	57,367	1,186	65,653	125,404	140,046
Michigan	8,812	216	55,587	7,864	24,735	650	35,256	59,259	53,004
Wisconsin	10,365	9	45,466	4,831	17,208	476	28,538	45,733	29,739
West North Central	46,590	146	112,640	26,705	77,994	8,794	151,545	214,373	138,528
Minnesota	9,618	19	23,305	5,515	16,670	554	31,175	44,038	32,482
Iowa	7,293	20	18,349	4,630	14,930	759	32,894	38,297	24,149
Missouri	13,668	48	50,603	7,776	23,452	729	32,081	70,125	46,133
North Dakota	3,429	2	1,338	952	2,180	286	8,111	8,906	3,124
South Dakota	3,018	4	1,995	789	2,986	330	8,277	8,441	3,846
Nebraska	4,085	1	7,119	2,812	7,746	428	17,402	18,837	13,359
Kansas	5,479	52	9,841	4,231	10,030	708	21,605	25,129	15,435
South Atlantic	378,700	378	190,655	15,570	55,077	2,812	100,523	375,463	123,790
Delaware	533	1	3,796	419	1,473	37	1,655	6,378	3,810
Maryland	3,136	7	36,105	2,988	11,784	291	12,733	48,538	21,549
District of Columbia	19	-------	5,716	1,912	4,224	430	6,995	30,177	43,153
Virginia	18,605	24	28,371	2,220	8,141	530	17,832	64,264	16,228
West Virginia	5,889	295	9,000	1,442	5,265	213	10,086	18,408	6,841
North Carolina	80,472	4	46,655	1,534	5,982	346	16,216	43,627	7,861
South Carolina	126,991	3	21,029	1,006	3,925	225	9,647	38,336	4,494
Georgia	120,027	7	28,970	2,970	9,129	418	18,029	86,123	14,072
Florida	15,028	37	10,923	1,079	5,154	322	7,330	39,602	5,787
East South Central	311,051	207	69,291	8,398	28,292	1,506	51,672	193,313	35,703
Kentucky	19,321	87	25,536	2,834	9,814	533	14,585	44,227	14,566
Tennessee	36,336	40	22,585	2,716	7,915	288	14,494	55,379	12,356
Alabama	122,755	75	15,103	1,678	6,528	349	12,229	57,345	7,806
Mississippi	132,639	5	6,067	1,170	4,035	336	10,364	36,362	3,986
West South Central	241,080	329	44,856	15,356	42,557	2,227	72,478	189,868	58,262
Arkansas	66,310	5	4,225	1,437	4,654	319	9,061	24,713	5,086
Louisiana	52,611	88	14,437	2,050	7,912	332	11,139	53,727	10,430
Oklahoma	22,161	159	5,482	3,876	8,505	562	16,373	24,622	12,854
Texas	99,978	77	20,712	7,993	21,486	1,014	35,905	86,796	29,892
Mountain	13,803	213	16,795	6,017	18,086	1,544	36,249	54,928	26,585
Montana	2,248	27	1,667	966	2,771	312	6,708	9,004	4,515
Idaho	1,317	3	1,312	656	1,957	222	4,303	4,930	2,719
Wyoming	824	23	442	341	806	125	2,107	3,305	1,429
Colorado	3,228	25	6,247	2,310	6,660	446	12,416	19,536	11,726
New Mexico	1,829	8	1,976	318	991	58	3,108	5,313	1,340
Arizona	3,282	98	2,215	313	1,516	130	2,976	5,600	2,266
Utah	887	21	2,677	945	3,015	183	4,329	5,458	4,268
Nevada	188	8	259	168	370	68	912	1,732	629
Pacific	16,079	96	59,801	15,499	54,031	1,969	79,270	116,973	90,321
Washington	3,806	12	10,973	3,562	11,618	473	17,097	25,997	19,362
Oregon	2,308	6	7,210	2,248	6,445	300	10,662	14,567	10,746
California	9,965	78	41,618	9,689	35,968	1,196	51,511	76,409	60,213

Source: Bureau of the Census, Department of Commerce.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
All occupations	41, 614, 248	33, 064, 737	8, 549, 511	26, 869, 463	7, 746, 460	4, 824, 151
Agriculture, forestry, and animal husbandry	10, 953, 158	9, 869, 080	1, 084, 128	7, 766, 257	931, 561	2, 178, 888
Dairy farmers, farmers, and stock raisers	6, 201, 261	5, 947, 425	253, 836	4, 694, 494	555, 047	925, 192
Dairy farm, farm, and stock farm laborers	4, 041, 627	3, 248, 712	792, 915	2, 602, 069	217, 643	1, 192, 504
Dairy farm, farm, garden, orchard, etc., foremen	93, 048	78, 708	14, 340	80, 389	9, 141	3, 102
Fishermen and oystermen	52, 836	52, 457	379	32, 763	12, 811	5, 765
Foresters, forest rangers, and timber cruisers	3, 653	3, 651	2	3, 254	379	1
Gardeners, florists, fruit growers, and nurserymen	169, 399	160, 116	9, 283	118, 814	37, 709	6, 813
Garden, greenhouse, orchard, and nursery laborers	137, 010	127, 589	9, 421	70, 697	38, 834	18, 294
Lumbermen, raftsmen, and woodchoppers	205, 315	205, 036	279	125, 442	51, 344	25, 487
Owners and managers of log and timber camps	8, 410	8, 397	13	6, 979	1, 268	122
Poultry raisers and poultry-yard laborers	18, 715	15, 379	3, 336	14, 016	4, 232	363
All other pursuits	21, 884	21, 560	324	17, 340	3, 153	1, 245
Extraction of minerals	1, 080, 228	1, 087, 359	2, 864	637, 934	377, 138	73, 229
Foremen, overseers, and inspectors	36, 931	36, 923	8	27, 607	8, 702	598
Operators, officials, and managers	34, 325	34, 143	182	30, 322	3, 939	26
Coal mine operatives	733, 936	732, 441	1, 495	399, 743	278, 615	54, 597
Copper mine operatives	36, 054	35, 918	136	13, 116	22, 643	73
Gold and silver mine operatives	32, 700	32, 666	34	20, 232	12, 113	86
Iron mine operatives	38, 704	38, 605	99	9, 289	24, 065	5, 344
Lead and zinc mine operatives	20, 798	20, 749	49	17, 280	3, 220	280
Other and not specified mine operatives	20, 591	20, 533	58	12, 097	4, 460	3, 976
Quarry operatives	45, 162	45, 084	78	24, 112	14, 675	6, 326
Oil and gas well operatives	85, 550	85, 303	247	81, 223	2, 508	1, 703
Salt well and works operatives	5, 472	4, 994	478	2, 913	2, 198	220
Manufacturing and mechanical industries	12, 818, 524	10, 888, 183	1, 930, 341	8, 274, 827	3, 634, 249	886, 810
Apprentices to building and hand trades	73, 953	73, 897	56	66, 100	6, 557	1, 267
Apprentices to dressmakers and milliners	4, 326	17	4, 309	3, 459	657	204
Apprentices, other	65, 898	60, 532	5, 366	58, 339	6, 158	855
Bakers	97, 940	93, 347	4, 593	41, 002	53, 605	3, 164
Blacksmiths, forgemen, and hammermen	221, 421	221, 416	5	154, 820	57, 500	8, 886
Boiler makers	74, 088	74, 088	----------	55, 150	17, 492	1, 398
Brick and stone masons	131, 264	131, 257	7	73, 592	47, 005	10, 609
Builders and building contractors	90, 109	90, 030	79	68, 708	19, 922	1, 454
Cabinetmakers	45, 511	45, 503	8	20, 818	24, 207	456
Carpenters	887, 379	887, 208	171	631, 178	221, 303	34, 243
Compositors, linotypers, and type setters	140, 165	128, 859	11, 306	117, 632	20, 833	1, 540
Coopers	19, 060	19, 061	5	10, 536	6, 333	2, 191
Dressmakers and seamstresses (not in factory)	235, 855	336	235, 519	170, 849	37, 707	26, 973
Dyers	15, 109	14, 978	131	6, 158	8, 645	298
Electricians	212, 964	212, 945	19	186, 190	25, 362	1, 342
Electrotypers, stereotypers, and lithographers	13, 716	13, 530	186	11, 128	2, 507	78
Engineers (stationary), craanemen, hoistmen, etc.	279, 984	279, 940	44	220, 099	53, 279	6, 353
Engravers	15, 053	14, 492	561	11, 667	3, 337	45
Filers, grinders, buffers, and polishers (metal)	59, 785	57, 315	2, 470	37, 602	21, 235	936
Firemen (except locomotive and fire department)	143, 875	143, 862	13	75, 202	45, 293	23, 153
Foremen and overseers (manufacturing)	307, 413	277, 242	30, 171	237, 725	66, 226	3, 287
Furnacemen, smeltermen, heaters, pourers, etc.	40, 806	40, 800	6	23, 210	14, 333	3, 236
Glass blowers	9, 144	9, 055	89	7, 161	1, 937	45
Jewelers, watchmakers, goldsmiths, and silversmiths	39, 592	37, 914	1, 678	25, 788	13, 151	528

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers (n. o. s.[1]):						
Building, general, and not specified laborers	623,203	608,075	15,128	332,996	151,165	134,828
Chemical and allied industries	74,289	70,994	3,295	29,135	27,487	17,486
Fertilizer factories	12,943	12,808	135	1,624	1,688	9,615
Paint and varnish factories	4,841	4,677	164	2,308	2,012	518
Powder, cartridge, dynamite, fuse, and fireworks factories	8,467	7,821	646	5,165	2,407	879
Soap factories	4,715	4,346	369	2,166	2,220	338
Other chemical factories	43,323	41,342	1,981	17,882	19,160	6,136
Cigar and tobacco factories	35,157	21,295	13,862	11,720	2,087	21,334
Clay, glass, and stone industries	124,544	120,215	4,329	69,991	35,698	18,753
Brick, tile, and terra-cotta factories	48,536	48,099	537	25,575	12,940	10,094
Glass factories	28,937	26,461	2,476	18,563	6,859	3,503
Lime, cement, and artificial stone factories	30,051	29,884	167	14,450	11,629	3,917
Marble and stone yards	5,084	5,061	23	2,871	1,615	597
Potteries	11,836	10,710	1,126	8,532	2,655	642
Clothing industries	12,776	6,414	6,362	8,492	2,847	1,407
Corset factories	771	194	577	558	210	3
Glove factories	1,757	899	858	1,450	284	21
Hat factories (felt)	989	825	164	534	421	34
Shirt, collar, and cuff factories	2,708	1,317	1,391	2,018	358	310
Suit, coat, cloak, and overall factories	3,984	2,219	1,765	2,218	844	917
Other clothing factories	2,567	960	1,607	1,714	730	122
Food industries	159,535	143,397	16,138	81,813	47,948	27,730
Bakeries	8,315	6,869	1,446	4,631	2,535	1,139
Butter, cheese, and condensed milk factories	15,190	14,174	1,016	12,217	2,564	397
Candy factories	6,584	4,398	2,186	3,984	1,896	699
Fish curing and packing	6,300	5,261	1,039	2,774	1,008	1,453
Flour and grain mills	18,121	17,983	138	12,190	3,353	2,564
Fruit and vegetable canning, etc.	13,058	9,743	3,315	8,121	3,311	913
Slaughter and packing houses	59,548	55,436	4,112	22,219	22,522	14,680
Sugar factories and refineries	15,733	15,414	319	6,898	7,024	1,749
Other food factories	16,686	14,119	2,567	8,779	3,735	4,130
Harness and saddle industries	1,885	1,727	158	1,480	252	150
Helpers in building and hand trades	63,519	63,412	107	35,365	14,877	13,223
Iron and steel industries	729,613	717,022	12,591	294,139	328,800	105,641
Agricultural implement factories	11,409	11,292	117	5,784	4,812	809
Automobile factories	83,341	80,874	2,467	37,804	39,031	6,430
Blast furnaces and steel rolling mills (including tinplate mills)	258,830	256,548	2,282	82,815	133,440	42,445
Car and railroad shops	53,643	53,280	363	25,723	18,697	8,058
Ship and boat building	69,196	68,917	279	28,828	22,821	17,149
Wagon and carriage factories	9,817	9,594	223	6,693	1,832	1,291
Other iron and steel factories [2]	179,607	173,734	5,873	86,094	77,319	16,121
Not specified metal industries	63,770	62,783	987	20,398	30,848	12,438
Other metal industries	67,887	62,771	5,116	30,202	33,379	3,996
Brass mills	18,485	17,614	871	5,614	11,802	1,065
Clock and watch factories	3,108	1,929	1,179	2,219	866	23
Copper factories	10,963	10,908	55	3,019	7,346	377
Gold, silver, and jewelry factories	3,693	3,316	377	2,068	1,483	92
Lead and zinc factories	8,927	8,859	68	4,631	3,666	615
Tinware, enamelware, etc., factories	17,605	15,436	2,169	10,460	6,215	919
Other metal factories	5,106	4,709	397	2,191	2,001	905
Lumber and furniture industries	320,613	309,874	10,739	170,246	40,963	106,276
Furniture factories	35,272	32,600	2,672	24,100	8,550	2,600
Piano and organ factories	5,321	4,596	725	3,158	2,011	151
Saw and planing mills [3]	245,683	241,334	4,349	121,537	25,077	96,039
Other woodworking factories	34,337	31,344	2,993	21,451	5,325	7,486
Paper and pulp mills	52,263	49,786	2,477	31,947	17,293	2,926
Printing and publishing	11,436	8,886	2,550	7,926	2,250	1,244
Shoe factories	19,210	14,194	5,016	14,090	4,775	344
Tanneries	27,480	26,703	777	12,487	12,466	2,503
Textile industries—						
Carpet mills	3,953	3,378	575	1,952	1,922	79
Cotton mills	76,315	59,646	16,669	47,537	15,954	12,816
Knitting mills	11,943	6,603	5,340	9,115	1,869	957
Lace and embroidery mills	944	677	267	578	341	25

[1] Not otherwise specified. [2] Includes iron foundries. [3] Includes box factories (wood).

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers—Continued.						
Textile industries—Continued.						
Silk mills	10,080	7,350	2,730	6,728	3,075	277
Textile dyeing, finishing, and printing mills	10,605	9,885	720	5,357	4,713	531
Woolen and worsted mills	22,227	18,238	3,989	10,056	11,811	339
Other textile mills	17,243	14,564	2,679	8,527	6,673	2,023
Other industries	403,891	426,398	37,493	220,551	156,430	86,284
Broom and brush factories	2,800	2,407	393	1,971	560	244
Button factories	1,407	1,093	314	838	534	35
Electric light and power plants	15,417	15,255	162	9,364	3,790	2,243
Electrical supply factories	26,789	23,562	3,227	13,894	11,625	1,247
Gas works	18,845	18,787	58	7,576	7,972	3,288
Leather belt, leather case, etc., factories	3,578	3,274	304	1,427	1,897	254
Liquor and beverage industries	10,530	10,295	235	5,041	3,898	1,580
Paper-box factories	3,384	2,401	983	2,319	916	148
Petroleum refineries	31,795	31,566	229	16,160	10,826	4,767
Rubber factories	51,407	47,515	3,952	28,782	20,856	1,817
Straw factories	577	513	64	293	254	30
Other and not specified industries	297,302	269,730	27,572	132,886	93,302	70,625
Loom fixers	15,961	15,958	3	8,749	7,182	29
Machinists, millwrights, and toolmakers	894,662	894,654	8	665,875	218,049	10,286
Machinists	801,901	801,896	5	599,630	192,090	9,753
Millwrights	37,669	37,659	----------	27,345	9,938	375
Toolmakers and die setters and sinkers	55,092	55,089	3	38,900	16,021	158
Managers and superintendents (manufacturing)	201,721	196,771	4,950	173,161	28,316	163
Manufacturers and officials	231,015	223,289	8,326	158,428	72,718	354
Mechanics (n. o. s.[1])	281,741	281,690	51	232,319	39,826	9,290
Millers (grain, flour, feed, etc.)	23,272	23,265	7	20,554	2,339	367
Milliners and millinery dealers	73,255	3,657	69,598	60,710	11,944	590
Molders, founders, and casters (metal)	123,681	123,668	13	66,664	50,343	6,634
Oilers of machinery	24,612	24,568	44	16,772	6,777	1,027
Painters, glaziers, and varnishers (building)	248,497	248,394	103	177,076	63,281	8,034
Painters, glaziers, enamelers, etc. (factory)	74,535	71,303	3,232	51,984	21,107	1,398
Paper hangers	18,740	18,338	408	14,043	3,745	954
Pattern and model makers	27,720	27,663	57	21,162	6,509	48
Plasterers and cement finishers	45,876	45,870	6	25,790	12,979	7,082
Plumbers and gas and steam fitters	206,718	206,715	3	170,034	33,107	3,516
Pressmen and plate printers (printing)	18,683	18,683	----------	16,416	2,156	101
Rollers and roll hands (metal)	25,061	25,061	----------	15,924	8,390	736
Roofers and slaters	11,378	11,378	----------	7,970	2,795	609
Sawyers	33,809	33,800	9	26,609	4,367	2,755
Semiskilled operatives (n. o. s.[1]):						
Chemical and allied industries	50,341	32,072	18,269	36,143	11,892	2,253
Fertilizer factories	1,407	1,352	55	616	185	603
Paint and varnish factories	5,521	4,686	835	3,673	1,631	216
Powder, cartridge, dynamite, fuse, and fireworks factories	7,379	4,811	2,568	5,567	1,635	151
Soap factories	6,288	3,239	3,049	4,618	1,545	121
Other chemical factories	29,746	17,984	11,762	21,669	6,896	1,162
Cigar and tobacco factories	145,222	61,262	83,960	86,372	38,923	19,849
Clay, glass, and stone industries	85,434	72,269	13,165	62,113	19,697	3,551
Brick, tile, and terra-cotta factories	9,987	9,357	630	6,327	2,656	1,004
Glass factories	44,831	37,636	7,195	34,464	8,851	1,506
Lime, cement, and artificial-stone factories	7,633	7,426	207	4,380	2,616	625
Marble and stone yards	5,546	5,478	68	3,138	2,191	217
Potteries	17,437	12,372	5,065	13,804	3,383	199
Clothing industries	409,361	143,718	265,643	218,816	176,409	13,888
Corset factories	12,642	1,115	11,527	9,905	2,690	47
Glove factories	23,357	6,584	16,773	18,475	4,772	99
Hat factories (felt)	21,178	14,716	6,462	13,699	7,304	173
Shirt, collar, and cuff factories	52,377	10,361	42,016	39,873	10,981	1,431
Suit, coat, cloak, and overall factories	143,872	79,357	64,515	53,435	83,075	7,287
Other clothing factories	155,935	31,585	124,350	83,429	67,587	4,851

[1] Not otherwise specified.

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Semiskilled operatives—Continued.						
Food industries	188,895	116,493	72,402	122,408	50,057	15,792
Bakeries	20,441	8,858	11,583	15,307	4,396	723
Butter, cheese, and condensed-milk factories	18,841	16,096	2,745	14,983	3,660	190
Candy factories	52,281	20,913	31,368	37,924	12,802	1,405
Fish curing and packing	7,586	4,363	3,223	2,972	1,060	3,191
Flour and grain mills	8,112	7,524	588	6,105	1,503	504
Fruit and vegetable canning, etc	10,204	3,398	6,806	7,267	2,335	404
Slaughter and packing houses	49,991	41,906	8,085	23,941	18,469	7,554
Sugar factories and refineries	3,806	3,144	662	2,386	1,258	161
Other food factories	17,633	9,791	7,842	11,523	4,475	1,570
Harness and saddle industries	18,135	17,573	562	13,478	4,384	255
Iron and steel industries	689,980	632,161	57,819	462,572	203,394	23,016
Agricultural implement factories	7,722	7,136	586	4,958	2,657	106
Automobile factories	121,164	108,376	12,788	85,013	34,331	1,726
Blast furnaces and steel rolling mills (including tinplate mills)	93,627	89,526	4,101	52,956	35,287	5,352
Car and railroad shops	97,979	97,003	976	68,617	25,664	3,619
Ship and boat building	97,666	97,175	491	65,440	25,886	6,200
Wagon and carriage factories	9,430	8,749	681	7,023	2,182	225
Other iron and steel factories [2]	245,450	200,112	36,338	168,126	71,695	5,580
Not specified metal industries	16,942	15,084	1,858	10,439	5,692	808
Other metal industries	91,291	60,844	30,447	62,744	27,297	1,234
Brass mills	17,482	13,576	3,906	10,124	7,102	254
Clock and watch factories	18,244	10,043	8,201	13,876	4,342	26
Copper factories	2,986	2,834	152	1,728	1,208	48
Gold, silver, and jewelry factories	21,322	13,378	7,944	15,102	6,074	139
Lead and zinc factories	2,404	2,186	278	1,777	627	60
Tinware, enamelware, etc., factories	19,356	12,167	7,189	14,025	4,748	580
Other metal factories	9,437	6,660	2,777	6,112	3,196	127
Lumber and furniture industries	168,719	150,079	18,640	116,442	41,824	9,598
Furniture factories	55,717	48,906	6,811	37,480	16,628	1,564
Piano and organ factories	19,852	16,949	2,903	12,102	7,592	157
Saw and planing mills [3]	57,320	54,016	3,304	42,123	8,567	6,269
Other woodworking factories	35,830	30,208	5,622	24,737	9,037	1,608
Paper and pulp mills	54,669	41,321	13,348	39,380	14,422	845
Printing and publishing	80,403	39,281	41,122	66,808	11,966	1,595
Shoe factories	206,225	132,813	73,412	148,944	55,941	1,306
Tanneries	32,226	28,598	3,628	15,940	15,305	971
Textile industries—						
Carpet mills	23,387	13,003	10,384	13,963	9,222	191
Cotton mills	302,454	153,269	149,185	206,250	92,534	3,649
Knitting mills	107,604	26,922	80,682	87,153	19,408	1,034
Lace and embroidery mills	19,083	6,086	12,997	10,948	7,906	227
Silk mills	115,721	42,953	72,768	84,595	30,793	328
Textile dyeing, finishing, and printing mills	17,736	12,154	5,582	10,940	6,477	305
Woolen and worsted mills	126,418	64,703	61,715	72,909	53,019	322
Other textile mills	79,904	34,944	45,060	49,798	25,850	1,631
Other industries	622,662	410,256	212,406	417,418	182,155	22,757
Broom and brush factories	12,606	10,219	2,387	9,152	2,796	647
Button factories	12,977	7,768	5,209	8,428	4,269	277
Electric light and power plants	15,949	15,610	339	13,407	2,164	370
Electrical supply factories	64,841	37,452	27,389	50,217	14,179	429
Gas works	9,462	9,294	168	6,782	2,351	327
Leather belt, leather case, etc., factories	17,189	12,809	4,380	9,012	7,857	318
Liquor and beverage industries	15,655	14,960	695	7,773	7,148	723
Paper-box factories	20,452	7,077	13,375	15,898	4,286	264
Petroleum refineries	8,891	8,229	662	6,727	1,900	257
Rubber factories	86,204	67,370	18,834	59,678	25,641	808
Straw factories	14,102	7,751	6,351	6,940	7,075	85
Other and not specified industries	344,334	211,717	132,617	223,404	102,489	18,192
Shoemakers and cobblers (not in factory)	78,859	78,599	260	25,600	48,284	4,707
Skilled occupations (n. o. s.) [1]	19,395	19,326	69	13,914	5,236	238
Annealers and temperers (metal)	2,913	2,910	3	1,728	1,133	51
Piano and organ tuners	7,047	7,007	40	5,624	1,346	77
Wood carvers	3,025	3,008	17	1,414	1,602	9
Other skilled occupations	6,410	6,401	9	5,148	1,155	101

[1] Not otherwise specified. [2] Includes iron foundries. [3] Includes box factories (wood).

NO. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Stone cutters	22,099	22,096	3	10,863	10,955	280
Structural iron workers (*building*)	18,836	18,836		13,704	4,920	196
Tailors and *tailoresses*	192,232	160,404	31,828	43,432	141,369	6,802
Tinsmiths and coppersmiths	74,968	74,957	11	53,715	20,259	970
Upholsterers	29,605	27,338	2,267	20,182	8,771	648
Transportation	3,063,562	2,850,528	213,064	2,195,579	547,613	312,421
Water transportation: [4]						
Boatmen, canalmen, and lock keepers	6,319	6,286	33	5,128	835	347
Captains, masters, mates, and pilots	26,320	26,318	2	17,678	8,325	307
Longshoremen and *stevedores*	85,928	85,605	323	20,803	37,633	27,337
Sailors and deck hands	54,832	54,800	32	27,098	20,214	7,232
Road and street transportation: [4]						
Carriage and hack drivers	9,057	8,966	91	6,401	1,346	1,298
Chauffeurs	285,045	284,096	949	202,987	43,095	38,573
Draymen, teamsters, and expressmen [5]	411,132	410,484	648	298,942	54,907	56,714
Foremen of livery and transfer companies	3,868	3,866	2	2,804	825	237
Garage keepers and *managers*	42,151	41,944	207	37,201	4,591	309
Hostlers and *stable hands*	18,976	18,973	3	10,321	4,482	4,147
Laborers (garage, road, and street)	158,482	158,204	278	76,714	45,381	35,829
Garage	31,450	31,339	111	21,691	3,680	6,047
Road and street building and repairing	115,836	115,673	163	51,165	35,880	28,318
Street cleaning	11,196	11,192	4	3,858	5,871	1,464
Livery-stable keepers and managers	11,240	11,168	72	9,469	1,565	193
Proprietors and managers of transfer companies	23,497	23,231	266	18,573	3,886	990
Railroad transportation: [4]						
Baggagemen and freight agents	16,819	16,789	30	14,746	1,589	482
Boiler washers and engine hostlers	25,305	25,271	34	16,037	5,417	3,517
Brakemen	114,107	114,107		102,956	6,409	4,722
Conductors (steam railroad)	74,530	74,530		69,016	5,487	33
Conductors (street railroad)	63,760	63,507	253	52,823	10,930	4
Foremen and overseers (steam railroad)	73,046	72,980	66	55,844	15,074	1,185
Foremen and overseers (street railroad)	6,248	6,236	12	4,663	1,507	74
Laborers (steam railroad)	470,199	462,613	6,586	214,030	153,453	97,979
Laborers (street railroad)	25,514	25,046	468	9,832	11,411	4,164
Locomotive engineers	109,899	109,899		99,683	10,099	111
Locomotive firemen	91,345	91,345		78,305	6,491	6,505
Motormen	66,519	66,499	20	49,851	16,663	6
Officials and superintendents	35,881	35,830	51	32,827	3,051	3
Switchmen, flagmen, and yardmen	111,565	111,000	565	91,131	10,800	3,598
Ticket and station agents	26,585	24,324	2,261	24,642	1,924	16
Express, post, telegraph, and telephone: [4]						
Agents (express companies)	5,293	5,193	100	5,038	250	4
Express messengers and railway mail clerks	25,005	24,996	9	23,015	1,083	904
Mail carriers	91,461	90,131	1,330	82,094	5,631	3,669
Telegraph and telephone linemen	37,917	37,905	12	34,070	2,860	377
Telegraph messengers	9,403	8,969	434	8,161	979	253
Telegraph operators	79,434	62,574	16,860	74,959	4,341	130
Telephone operators	190,160	11,781	178,379	181,589	7,816	718
Other transportation pursuits:						
Foremen and overseers (n. o. s.)	25,995	25,958	37	21,463	4,073	446
Road and street building and repairing	9,558	9,557	1	7,763	1,606	181
Telegraph and telephone	6,822	6,797	25	6,184	631	7
Other transportation	9,615	9,604	11	7,516	1,836	253
Inspectors (steam and street railroads)	46,172	46,120	52	37,445	8,495	229
Inspectors (other transportation)	4,061	3,728	333	3,656	395	10
Laborers (n. o. s.)	33,432	33,229	203	20,378	6,206	6,814
Express companies	9,080	9,067	22	6,019	1,674	1,486
Pipe lines	7,369	7,362	7	5,152	1,839	371
Telegraph and telephone	6,088	5,011	77	3,801	781	504
Water transportation	5,906	5,903	3	3,312	1,056	1,589
Other transportation	5,020	5,826	94	2,094	957	2,864
Proprietors, officials, and managers [1]	18,957	18,384	573	17,264	1,661	12
Telegraph and telephone	11,003	11,059	544	10,961	636	3
Other transportation	7,354	7,325	29	6,303	1,025	9

[1] Not otherwise specified.

[4] Selected occupations.

[5] Teamsters in agriculture, forestry, and extraction of minerals are classified with the other workers in those industries, and drivers for bakeries and laundries are classified with deliverymen in trade.

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Other transportation pursuits—Contd.						
Other occupations (semiskilled)	48,124	46,634	1,490	35,261	9,843	2,944
Steam railroad	28,621	27,916	705	21,548	4,568	2,439
Street railroad	9,259	9,088	171	6,239	2,837	181
Other transportation	10,244	9,630	614	7,474	2,438	324
Trade	4,242,979	3,575,187	667,792	3,228,273	860,530	140,467
Bankers, brokers, and money lenders	161,613	156,309	5,304	145,749	15,544	142
Bankers and bank officials	82,375	78,149	4,226	76,901	5,319	72
Commercial brokers and commission men	27,552	27,358	194	22,901	4,487	15
Loan brokers and pawnbrokers	5,473	5,321	152	4,441	1,014	10
Stock brokers	29,609	29,233	376	25,773	2,800	28
Brokers, not specified and promoters	16,604	16,248	356	14,643	1,924	17
Clerks in stores [6]	413,918	243,521	170,397	354,397	52,775	5,208
Commercial travelers	179,320	176,514	2,806	160,702	18,210	357
Decorators, drapers, window dressers	8,853	7,698	1,155	7,060	1,660	129
Deliverymen (bakeries, stores, and laundries)	170,235	170,039	196	117,867	27,794	24,308
Floorwalkers and foremen in stores	20,604	16,565	4,039	16,265	4,007	322
Foremen (warehouses, stockyards, etc.)	5,833	5,802	31	4,625	1,064	142
Inspectors, gaugers, and samplers	13,714	12,683	1,031	10,420	2,313	977
Insurance agents	119,918	114,835	5,083	100,043	16,897	2,922
Officials of insurance companies	15,060	14,754	306	13,035	1,848	173
Laborers, coal yards	25,192	25,157	35	10,818	7,546	6,794
Laborers, elevators	11,312	11,244	68	8,148	2,904	1,158
Laborers, lumberyards	43,351	43,297	54	23,996	11,758	7,453
Laborers, stockyards	22,888	22,859	29	6,533	10,316	6,032
Laborers, warehouses	22,866	22,156	710	11,372	5,416	6,042
Laborers, porters, helpers in stores	125,007	116,602	8,405	57,311	26,044	40,885
Newsboys	27,961	27,635	326	24,600	2,220	1,115
Proprietors, officials, and managers [1]	34,776	33,715	1,061	30,002	4,425	268
Real estate agents and officials	149,135	139,927	9,208	123,147	24,495	1,309
Retail dealers [7]	1,328,275	1,249,295	78,980	873,094	424,881	23,526
Agricultural implements and wagons	7,789	7,760	29	6,723	1,060	2
Automobiles and accessories	28,768	28,626	142	25,585	3,117	45
Books and stationery	8,986	7,860	1,126	5,350	3,575	39
Boots and shoes	22,544	21,781	763	13,301	9,069	143
Butchers and meat dealers	122,105	120,940	1,165	71,122	47,708	3,009
Buyers and shippers of grain	7,305	7,288	17	6,586	713	4
Buyers and shippers of livestock	30,464	30,433	31	27,148	3,102	172
Buyers and shippers of other farm produce	10,540	10,507	33	9,672	861	38
Candy and confectionery	40,091	32,368	7,723	19,613	19,808	573
Cigars and tobacco	19,141	18,031	1,110	12,350	6,513	194
Clothing and men's furnishings	46,653	43,440	3,213	25,327	21,115	128
Coal and wood	26,556	26,057	499	18,509	6,279	1,754
Delicatessen stores	4,333	3,565	768	1,220	3,084	27
Department stores	11,752	10,800	952	9,456	2,240	34
Drugs and medicines, including druggists and pharmacists	80,157	76,995	3,162	68,501	10,519	910
Dry goods, fancy goods, and notions	63,909	56,158	7,751	37,402	25,683	262
Five and ten cent and variety stores	5,968	4,899	1,069	4,624	1,321	13
Flour and feed	9,309	9,212	97	7,818	1,443	40
Fruit	23,385	22,185	1,200	5,585	17,403	216
Furniture	26,013	25,337	676	18,511	7,229	256
General stores	80,026	76,317	3,709	67,629	10,813	884
Groceries	239,236	216,059	23,177	148,544	82,542	6,339
Hardware, stoves, and cutlery	41,144	40,453	691	34,731	6,303	74
Hucksters and peddlers	50,402	48,493	1,909	15,389	31,434	3,194
Jewelry	21,433	20,652	781	14,428	6,853	96
Junk	22,749	22,596	153	5,272	16,332	1,132
Lumber	27,687	27,589	98	25,125	2,496	60
Milk	13,104	12,509	595	8,797	4,230	74
Music and musical instruments	7,909	7,360	549	6,272	1,601	32
Newsdealers	8,474	7,808	666	5,714	2,589	165
Oil, paint, and wall paper	6,577	6,298	279	4,950	1,612	12
Opticians	12,032	11,743	289	10,499	2,078	50
Produce and provisions	34,473	32,873	1,600	21,443	11,936	689
Other specified retail dealers	100,933	94,820	6,113	63,858	34,893	1,378
Not specified retail dealers	65,728	59,483	6,245	46,040	17,376	1,488
Salesmen and saleswomen	1,177,494	816,352	361,142	1,008,141	159,965	8,418
Auctioneers	5,048	5,045	3	4,319	714	13
Demonstrators	4,823	1,639	3,184	4,325	401	94
Sales agents	41,841	40,207	1,634	37,057	4,670	96
Salesmen and saleswomen (stores)	1,125,782	769,461	356,321	962,440	154,180	6,210

[1] Not otherwise specified. [6] Many of the "Clerks in stores" are probably "Salesmen and saleswomen."
[7] Includes also managers and superintendents of retail stores.

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Trade—Continued.						
Undertakers	24,469	23,342	1,127	20,772	2,134	1,558
Wholesale dealers, importers and exporters	73,574	72,780	794	50,136	22,871	67
Other pursuits (semiskilled)	67,611	52,106	15,505	50,040	14,343	2,957
Fruit graders and packers	8,074	4,988	3,086	6,348	1,191	353
Meat cutters	22,884	22,804	80	18,211	4,218	446
Packers, wholesale and retail trade	19,701	13,603	6,098	13,931	4,654	1,076
Other occupations	16,952	10,711	6,241	11,550	4,280	1,082
Public service (not elsewhere classified)	770,460	748,666	21,794	590,466	127,280	50,553
Firemen (fire department)	50,771	50,771		45,119	5,540	109
Guards, watchmen, and doorkeepers	115,553	115,154	399	75,071	35,814	4,568
Laborers (public service)	100,915	105,385	1,530	44,598	31,320	30,330
Marshals, sheriffs, detectives, etc.	32,214	30,968	1,246	28,521	3,341	323
Officials and inspectors (city)	33,505	31,918	1,587	29,222	4,200	77
Officials and inspectors (county)	22,092	18,830	3,262	20,695	1,370	18
Officials and inspectors (State)	9,126	8,596	530	8,384	734	4
Postmasters	31,935	20,727	11,208	30,235	1,557	116
Other United States officials	39,273	38,621	652	35,768	3,359	74
Policemen	82,120	81,884	236	67,002	13,854	999
Soldiers, sailors, and marines [8]	225,503	225,503		189,102	22,563	12,511
Other pursuits	21,453	20,309	1,144	16,359	3,628	1,423
Professional service	2,143,889	1,127,391	1,016,498	1,829,090	231,719	80,183
Actors	28,361	15,124	13,237	22,581	4,558	1,095
Showmen	19,811	18,004	1,117	16,054	2,811	878
Architects	18,185	18,048	137	15,213	2,905	50
Artists, sculptors, and teachers of art	35,402	20,785	14,617	27,549	7,479	259
Authors	6,668	3,662	3,006	5,716	872	64
Editors and reporters	34,197	28,467	5,730	30,335	3,492	251
Chemist, assayers, and metallurgists	32,941	31,227	1,714	27,880	4,788	202
Clergymen	127,270	125,483	1,787	80,540	26,891	19,577
College presidents and professors [9]	55,407	23,332	10,075	29,260	3,053	1,061
Dentists	56,152	54,323	1,829	43,307	6,527	1,103
Designers, draftsmen, and inventors	70,551	62,987	7,564	56,617	13,830	149
Lawyers, judges, and justices	122,519	120,781	1,738	113,822	7,679	955
Librarians	15,297	1,795	13,502	14,430	788	60
Musicians and teachers of music	130,265	57,587	72,678	102,708	21,444	5,909
Osteopaths	5,030	3,367	1,663	4,382	424	212
Photographers	34,259	27,140	7,119	26,962	6,511	605
Physicians and surgeons	144,977	137,758	7,219	125,666	15,571	3,498
Teachers (athletics, dancing, etc.)	9,711	5,677	4,034	8,209	1,371	125
Teachers (school)	752,055	116,848	635,207	681,017	35,136	35,441
Technical engineers	136,121	136,080	41	119,889	15,941	134
Civil engineers and surveyors	64,650	64,642	18	58,786	5,743	85
Electrical engineers	27,077	27,065	12	24,041	2,944	68
Mechanical engineers [10]	37,689	37,678	11	31,298	6,326	31
Mining engineers	6,695	6,695		5,704	928	
Trained nurses	149,128	5,464	143,664	122,908	22,772	3,341
Veterinary surgeons	13,494	13,493	1	11,984	1,357	145
All other professional pursuits	19,721	13,950	5,771	16,419	2,983	117
Semiprofessional pursuits	116,555	70,626	45,929	93,504	19,821	2,888
Abstractors, notaries, and justices of peace	10,071	8,588	1,483	9,202	800	58
Healers (except osteopaths and physicians and surgeons)	14,774	6,872	7,902	11,013	3,042	606
Keepers of charitable and penal institutions	12,884	7,953	4,931	10,620	2,134	126
Officials of lodges, societies, etc.	11,736	9,574	2,162	9,558	1,833	276
Religious, charity, welfare workers	41,078	14,151	26,927	32,176	7,573	1,231
Theatrical owners, managers, and officials	18,395	17,138	1,257	15,139	3,054	175
All other occupations	7,617	6,350	1,267	5,796	1,385	416
Attendants and helpers (prof. service)	31,712	14,693	17,019	26,949	2,706	2,014
Domestic and personal service	3,404,892	1,217,968	2,186,924	1,526,930	769,193	1,084,560
Barbers, hairdressers, and manicurists	216,211	182,965	33,246	124,995	59,108	31,352
Billiard room, dance hall, skating rink, etc., keepers	24,897	24,655	242	16,134	6,913	1,582

[8] Includes only those resident in continental United States at the date of enumeration.
[9] Probably includes some teachers in schools below collegiate rank.
[10] Includes, also, all technical engineers not elsewhere classified.

No. 51.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Domestic and personal service—Continued.						
Boarding and lodging house keepers	133,392	18,502	114,740	92,532	29,474	10,787
Bootblacks	15,175	15,142	33	2,049	7,556	5,560
Charwomen and cleaners	36,803	11,848	24,955	12,557	14,596	9,283
Elevator tenders	40,713	33,376	7,337	19,934	10,385	10,334
Hotel keepers and managers	55,583	41,449	14,134	41,039	12,834	1,020
Housekeepers and stewards	221,612	17,262	204,350	159,513	46,255	15,161
Janitors and sextons	178,628	149,590	29,038	78,604	54,910	44,110
Laborers (domestic and professional service)	32,893	31,224	1,669	17,212	10,009	5,485
Launderers and laundresses (not in laundry)	396,756	10,882	385,874	72,583	34,638	288,763
Laundry operatives [11]	120,715	39,968	80,747	63,253	19,397	26,332
Laundry owners, officials, and managers [11]	13,692	12,239	1,453	8,150	4,189	247
Midwives	4,773		4,773	806	2,476	1,437
Nurses (not trained)	151,996	19,338	132,658	110,071	28,024	13,798
Porters, domestic and professional service	43,208	42,929	279	8,268	9,083	25,405
Porters, steam railroad	22,513	22,486	27	1,504	745	20,224
Other porters (except in stores)	22,447	22,268	179	4,047	4,521	13,802
Restaurant, cafe, and lunch room keepers	87,987	72,343	15,644	47,503	30,456	7,511
Servants	1,270,946	258,813	1,012,133	480,618	265,634	481,590
Bell boys, chore boys, etc	17,231	16,472	759	7,166	2,445	7,263
Chambermaids	29,362	250	29,052	10,596	8,130	10,453
Coachmen and footmen	2,427	2,427		737	1,192	494
Cooks	398,475	129,857	268,618	104,677	80,877	202,435
Ladies' maids, valets, etc	5,701	1,268	4,523	3,082	2,098	548
Nursemaids	11,890	11	11,879	5,003	1,629	5,244
All other servants	805,830	108,528	697,302	355,357	189,263	255,123
Waiters	228,985	112,064	116,921	113,049	66,149	45,836
Other pursuits	81,967	78,475	6,492	46,509	31,841	5,971
Bartenders	26,085	25,976	109	14,125	11,349	573
Cleaners and renovators (clothing)	21,667	17,094	4,573	11,607	5,792	4,057
Hunters, trappers, and guides	7,332	7,288	44	5,998	595	394
Saloon keepers	17,835	17,312	523	6,941	10,791	96
All other occupations	12,048	10,805	1,243	7,838	3,314	851
Clerical occupations	3,126,541	1,700,425	1,426,116	2,820,107	267,177	37,011
Agents, canvassers, and collectors	175,772	159,941	15,831	154,180	19,877	1,566
Bookkeepers, cashiers, and accountants	734,688	375,564	359,124	664,923	66,578	2,364
Clerks (except clerks in stores)	1,487,905	1,015,742	472,163	1,332,767	136,649	17,437
Messenger, bundle, and office boys and girls [12]	113,022	98,768	14,254	91,034	8,577	13,332
Stenographers and typists	615,154	50,410	564,744	577,203	35,496	2,312

[11] Some of the owners of hand laundries probably are included with laundry operatives.
[12] Except telegraph messengers.

No. 52.—SHIFT IN OCCUPATIONS, 1880–1920 (ADJUSTED FIGURES,[1]

Occupation	Number (thousands)			Per cent		
	1880	1900	1920	1880	1900	1920
Total	17,392	29,073	41,854	100.0	100.0	100.0
Agriculture, lumbering, and fishing	8,596	10,889	11,393	49.4	37.5	27.2
Manufacturing, mechanical pursuits, and mining	4,449	7,451	13,809	25.6	29.1	33.0
Trade, transportation, and clerical work	2,122	5,444	10,383	12.2	18.7	24.8
Professional service	603	1,213	2,112	3.5	4.2	5.0
Domestic and personal service	1,622	3,076	4,157	9.3	10.6	9.9

[1] Owing to changes in the grouping of occupations according to great classes, in the definition of certain individual occupations, and in instructions to enumerators (especially as to reporting women and children), the census statistics as originally published require regrouping and also certain adjustments which must be made by estimate. The margin of possible error involved in these estimates is not sufficient to obscure the general nature of the shift which has taken place.

Source of Tables 51 and 52: Bureau of the Census; adjustments in Table 52 by Division of Statistical Research, Bureau of Foreign and Domestic Commerce.

No. 53.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE: The names of many of the denominations have been somewhat abbreviated

Denomination	Churches reporting members		Number of members		Membership by age, 1926		
	1916	1926	1916	1926	Under 13 years	13 years and over	Age not reported
All denominations	226,718	232,154	41,926,854	54,576,346	8,320,785	36,947,013	9,308,548
Adventists (5 bodies)	2,667	2,578	114,915	146,177	3,540	127,467	15,170
Baptist bodies	57,823	60,102	7,153,313	8,440,922	415,798	6,149,474	1,875,650
Northern Baptist Convention	[1] 8,319	7,611	[1] 1,244,705	1,289,966	49,897	1,122,211	117,858
Southern Baptist Convention	23,530	23,374	2,708,870	3,524,378	182,828	2,805,543	536,008
Negro Baptists [2]	21,071	22,081	2,938,579	3,196,623	178,230	1,921,338	1,097,055
Free Will Baptists	750	1,024	54,833	79,592	1,100	65,786	12,616
Primitive Baptists	2,142	2,267	80,311	81,374	75	42,283	39,016
All other (13 bodies)	1,966	3,835	126,015	268,989	3,578	192,314	73,097
Brethren, German Baptist (Dunkers) (5 bodies)	1,283	1,279	133,626	158,248	9,709	137,343	11,136
Christian Church (Gen. Convention)	1,263	1,044	118,737	112,795	7,411	93,500	11,884
Church of Christ Scientist	[3]	1,913	[3]	202,098		202,098	
Church of the Nazarene	866	1,444	32,259	63,558	3,077	55,991	4,490
Churches of Christ	5,570	6,226	317,937	433,714			433,714
Congregational Churches	[4] 5,000	5,028	[4] 809,236	881,696	16,291	752,534	112,871
Disciples of Christ	8,396	7,648	1,226,028	1,377,595	87,237	1,148,336	142,023
Eastern Orthodox Churches	301	446	249,840	259,394	59,913	186,399	13,082
Greek Orthodox Church	87	153	119,871	119,495	23,020	87,844	8,631
Russian Orthodox Church	169	199	99,681	95,134	26,003	65,751	3,380
All other (5 bodies)	45	94	30,288	44,765	10,890	32,804	1,071
Evangelical Church	[5] 2,592	2,054	[5] 210,630	206,080	10,410	186,910	8,760
Evangelical Synod of North America	1,331	1,287	339,863	314,518		314,518	
Federated Churches	[3]	361	[3]	59,977	2,101	51,511	6,365
Friends (4 bodies)	1,023	835	112,982	110,422	10,166	85,945	8,311
Jewish congregations	1,619	3,118	357,135	4,081,242			4,081,242
Latter Day Saints (2 bodies)	1,530	1,807	462,329	606,561	119,861	442,874	43,826
Lutheran bodies	13,921	15,102	2,467,516	3,966,003	1,086,652	2,731,969	147,382
United Luth. Church in America	[6] 3,559	3,650	[6] 763,506	1,214,340	304,723	865,844	43,773
Augustana Synod	1,165	1,180	204,417	311,425	76,920	232,733	1,772
Synodical Conference of America [7]	3,620	4,752	777,701	1,292,620	370,685	860,021	61,914
Norwegian Luth. Church of America	2,740	2,554	318,650	496,707	146,306	328,306	22,095
Joint Synod of Ohio and Other States	826	872	164,968	247,753	73,234	170,043	4,506
Synod of Iowa and Other States	977	873	130,793	217,873	63,798	150,159	3,916
All other (12 bodies)	1,034	1,221	107,391	185,255	50,986	124,863	9,406
Mennonites (17 bodies)	835	826	79,362	87,164	1,735	77,041	7,788
Methodist bodies	65,692	60,644	7,166,385	8,070,619	686,940	6,190,559	1,193,120
Methodist Episcopal Church	29,315	26,130	3,717,785	4,080,777	313,840	3,250,505	516,432
Methodist Protestant Church	2,473	2,239	186,908	192,171	11,551	150,373	30,247
Methodist Episcopal, South	19,184	18,096	2,114,479	2,487,094	239,647	1,820,330	427,717
African Methodist Episcopal	6,693	6,708	548,355	545,814	42,230	358,833	144,751
African Methodist Episcopal Zion	2,716	2,466	257,169	456,813	57,977	391,960	6,876
Colored Methodist Episcopal	2,621	2,518	245,749	202,713	14,964	129,643	58,106
All other (13 bodies)	2,750	2,487	96,440	104,037	6,731	88,915	8,991
Polish National Catholic Church	34	91	28,245	61,574	16,151	35,950	9,473
Presbyterian bodies	15,840	14,848	2,255,626	2,626,284	122,361	2,281,698	221,225
Presbyterian Church, U. S. A	[8] 9,773	8,947	[9] 1,625,817	1,894,030	77,700	1,653,033	163,297
Cumberland Presbyterian Church	1,313	1,097	72,052	67,938	3,345	57,770	6,823
United Presbyterian Church	991	901	160,726	171,571	7,587	156,512	7,472
Presbyterian Church, U. S	3,365	3,469	357,769	451,043	30,769	379,463	40,811
All other (5 bodies)	398	434	39,262	40,702	2,960	34,920	2,822
Protestant Episcopal Church	7,345	7,299	1,092,821	1,859,086	462,310	1,290,351	97,425
Reformed bodies	2,745	2,682	537,822	617,551	35,891	524,155	57,505
Reformed Church in America	715	717	144,929	153,739	1,951	118,664	33,124
Reformed Church in the U. S	1,758	1,709	344,374	361,286	1,995	339,344	19,947
All other (2 bodies)	272	256	48,519	102,526	31,945	66,147	4,434
Roman Catholic Church	17,375	18,940	15,721,815	18,605,903	5,053,781	12,857,277	693,945
Salvation Army	742	1,052	35,954	74,768	21,006	53,745	17
Spiritualists	354	611	29,023	50,631	500	30,204	10,921
Unitarians	411	353	82,515	60,152	595	57,373	2,184
United Brethren (3 bodies)	3,589	3,375	367,934	395,885	32,819	330,305	32,761
Universalist Church	643	493	58,566	54,957	676	49,835	4,446
All other denominations	4,723	8,465	364,044	592,672	47,788	483,052	61,832

[1] Includes Free Baptist Churches.
[2] Figures for 1916 are for the National Baptist Convention. Figures for 1926 include 243 churches reported with the Northern Baptist Convention in 1916.
[3] Not reported.
[4] Includes figures for Evangelical Protestant Church of North America.
[5] Includes Evangelical Association and United Evangelical Church.
[6] Includes the General Synod, United Synod of the South, and the General Council (except Augustana Synod).
[7] Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and Other States.
[8] Includes figures for Welsh Calvinistic Methodist Church.

Source: Bureau of the Census, *Department of Commerce.*

No. 54.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926, FOR THE PRINCIPAL DENOMINATIONS

NOTE.—The names of many of the denominations have been somewhat abbreviated

Denomination	Value of church edifices		Expenditures during year		Sunday schools	
	Churches reporting	Amount	Churches reporting	Amount	Churches reporting	Number of scholars
All denominations	**202, 930**	**$3,839,500,610**	**216, 042**	**$817,214,528**	**184, 686**	**21, 038, 526**
Adventists (5 bodies)	1, 819	11, 069, 449	2, 336	7, 610, 863	1, 759	102, 779
Baptist bodies	52, 281	469, 827, 795	54, 145	98, 045, 096	47, 889	4, 654, 241
Northern Baptist Convention	7, 297	185, 370, 576	7, 380	34, 318, 480	6, 999	1, 052, 794
Southern Baptist Convention	21, 128	173, 456, 965	22, 338	42, 904, 563	19, 882	2, 345, 630
Negro Baptists	10, 383	103, 465, 759	20, 209	19, 475, 981	18, 755	1, 121, 362
Free Will Baptists	765	1, 156, 743	872	252, 613	643	38, 199
Primitive Baptists	1, 037	1, 730, 348	776	166, 847	5	181
All other (13 bodies)	2, 221	4, 647, 404	2, 570	926, 606	1, 605	96, 075
Brethren, German Baptist (Dunkers) (5 bodies)	*1, 206*	*11, 110, 013*	*1, 182*	*2, 203, 622*	*1, 067*	*133, 468*
Christian Church (General Convention)	976	7, 202, 193	1, 004	1, 353, 379	938	85, 478
Church of Christ Scientist	1, 185	69, 416, 744	1, 859	14, 202, 116	1, 655	140, 566
Church of the Nazarene	1, 113	7, 323, 718	1, 340	3, 124, 444	1, 233	109, 237
Churches of Christ	5, 089	16, 402, 158	5, 975	3, 961, 310	4, 403	274, 571
Congregational Churches	4, 795	162, 212, 552	4, 810	25, 820, 342	4, 601	596, 881
Disciples of Christ	6, 887	114, 850, 211	7, 250	22, 967, 484	6, 680	1, 000, 416
Eastern Orthodox Churches	397	11, 789, 108	423	2, 044, 415	198	14, 195
Greek Orthodox Church	131	5, 011, 718	145	958, 809	73	5, 796
Russian Orthodox Church	187	4, 883, 515	195	838, 453	90	5, 770
All other (5 bodies)	79	1, 893, 875	83	247, 153	35	2, 629
Evangelical Church	1, 989	25, 380, 761	2, 030	5, 951, 009	2, 000	280, 195
Evangelical Synod of North America	1, 253	35, 789, 581	1, 274	6, 002, 900	1, 146	171, 402
Federated churches	343	6, 159, 725	354	1, 272, 455	347	46, 820
Friends (4 bodies)	819	10, 217, 057	854	1, 687, 785	727	67, 889
Jewish Congregations	*1, 135*	*97, 401, 688*	*1, 290*	*19, 076, 451*	*531*	*70, 380*
Latter Day Saints (2 bodies)	1, 415	18, 983, 315	1, 769	3, 095, 895	1, 730	209, 503
Lutheran bodies	13, 400	273, 409, 748	14, 721	59, 500, 845	11, 472	1, 249, 998
United Lutheran Church in America	3, 516	114, 526, 248	3, 577	21, 162, 961	3, 415	619, 781
Augustana Synod	1, 118	22, 781, 698	1, 165	5, 369, 446	1, 036	100, 775
Synodical Conference of America	3, 878	78, 755, 894	4, 601	19, 487, 432	3, 028	212, 071
Norwegian Lutheran Church of America	2, 278	24, 822, 215	2, 497	5, 786, 977	1, 660	131, 147
Joint Synod of Ohio and Other States	832	15, 646, 708	865	3, 702, 259	769	88, 822
Synod of Iowa and Other States	799	8, 657, 486	867	2, 223, 888	778	50, 878
All other (12 bodies)	979	8, 219, 499	1, 149	1, 707, 882	786	46, 524
Mennonites (17 bodies)	680	4, 453, 613	731	1, 270, 067	631	87, 897
Methodist bodies	56, 493	654, 736, 975	59, 483	152, 151, 978	54, 804	6, 567, 654
Methodist Episcopal Church	25, 290	406, 165, 659	25, 790	89, 422, 307	24, 730	3, 796, 561
Methodist Protestant Church	2, 094	16, 817, 278	2, 160	3, 137, 211	1, 917	173, 438
Methodist Episcopal, South	*16, 443*	*161, 986, 430*	*17, 798*	*41, 651, 150*	*15, 525*	*1, 802, 464*
African Methodist Episcopal	5, 829	32, 092, 549	6, 492	7, 600, 161	5, 884	288, 247
African Methodist Episcopal Zion	2, 370	18, 515, 723	2, 464	4, 757, 066	2, 420	267, 141
Colored Methodist Episcopal	2, 341	9, 211, 437	2, 477	2, 428, 234	2, 351	103, 523
All other (13 bodies)	2, 126	9, 947, 899	2, 302	3, 155, 849	1, 968	136, 280
Polish National Catholic Church	84	3, 365, 000	87	485, 698	74	6, 401
Presbyterian bodies	13, 852	443, 572, 158	14, 259	87, 535, 390	13, 222	2, 001, 928
Presbyterian Church in the U. S. A.	8, 437	338, 152, 743	8, 656	63, 230, 663	8, 237	1, 407, 298
Cumberland Presbyterian Church	986	3, 321, 287	961	759, 021	765	48, 052
United Presbyterian Church	879	29, 714, 845	890	6, 642, 820	871	148, 658
Presbyterian Church in the U. S.	3, 148	67, 798, 658	3, 330	15, 612, 028	2, 959	367, 795
All other (5 bodies)	402	4, 584, 625	422	1, 290, 858	390	30, 125
Protestant Episcopal Church	6, 532	314, 596, 738	6, 817	44, 790, 130	5, 607	479, 430
Reformed bodies	2, 618	88, 457, 147	2, 659	14, 810, 436	2, 489	465, 725
Reformed Church in America	690	38, 436, 822	714	5, 524, 673	689	124, 308
Reformed Church in the U. S.	1, 680	44, 662, 875	1, 692	7, 488, 446	1, 614	315, 343
All other (2 bodies)	*248*	*5, 357, 450*	*253*	*1, 797, 317*	*186*	*26, 074*
Roman Catholic Church	16, 254	837, 271, 053	16, 317	204, 526, 487	8, 230	1, 201, 330
Salvation Army	652	17, 738, 506	1, 044	6, 001, 317	1, 015	91, 586
Spiritualists	94	1, 384, 156	509	531, 508	92	5, 552
Unitarians	337	27, 713, 554	344	3, 418, 975	317	19, 722
United Brethren (3 bodies)	3, 224	29, 578, 679	3, 288	7, 321, 073	3, 088	400, 749
Universalist Church	470	15, 826, 940	470	1, 616, 624	350	24, 738
All other denominations	5, 538	52, 259, 075	7, 412	14, 744, 434	6, 376	477, 090

Source: Bureau of the Census, Department of Commerce.

2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 66]

No. 55.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: BY STATES

Division and State	Number enumerated (Jan. 1)							Ratio per 100,000 of population			
	Deaf-mutes, 1920	Blind, 1920	Patients in hospitals for mental disease, 1923	Feeble-minded in institutions, 1923	Prisoners,[1] 1923	Juvenile delinquents,[2] 1923	Paupers in almshouses, 1923	Deaf-mutes	Blind	Patients in hospitals for mental disease, 1923	Prisoners
United States	44,885	52,567	267,617	42,954	109,619	27,238	78,090	42.5	49.7	245.0	99.7
New England	3,093	4,699	26,876	5,009	5,948	2,603	9,529	41.8	63.5	352.7	77.6
Maine	414	583	1,864	467	511	288	745	53.9	75.9	240.6	65.9
New Hampshire	149	382	1,399	393	244	167	870	33.6	86.2	313.5	54.6
Vermont	143	195	1,277	179	357	207	234	40.6	55.3	362.3	101.3
Massachusetts	1,592	2,589	15,869	3,034	3,134	1,229	5,629	41.3	67.2	399.0	78.3
Rhode Island	197	231	1,630	377	547	196	889	32.6	38.2	262.8	87.7
Connecticut	598	719	4,837	559	1,155	516	1,162	43.3	52.1	333.8	79.0
Middle Atlantic	8,361	9,374	70,535	13,393	20,706	6,613	18,564	37.6	42.1	306.4	89.4
New York	4,022	4,205	40,986	7,278	10,635	3,202	8,740	38.7	40.5	382.6	98.7
New Jersey	940	1,075	8,864	1,633	2,594	887	1,764	29.8	34.1	267.4	77.5
Pennsylvania	3,399	4,094	20,685	4,482	7,477	2,524	8,060	39.0	46.9	230.0	82.7
East North Central	10,770	12,234	56,881	10,323	21,059	4,987	21,405	50.2	57.0	255.0	93.7
Ohio	2,763	3,873	13,163	2,510	5,638	1,604	6,872	48.0	67.2	218.8	92.9
Indiana	1,576	2,223	6,595	1,565	2,911	832	3,128	53.8	75.9	220.6	97.0
Illinois	2,941	3,246	19,061	2,458	6,166	1,200	6,415	45.3	50.1	284.4	91.4
Michigan	1,802	1,579	8,971	2,132	4,722	750	3,262	49.1	43.0	230.7	120.0
Wisconsin	1,688	1,313	9,091	1,658	1,622	001	1,728	64.1	49.9	335.6	59.5
West North Central	5,812	6,111	31,355	6,547	10,264	3,228	7,298	46.3	48.7	245.4	80.0
Minnesota	1,044	870	6,691	1,892	2,211	738	1,032	43.7	36.4	271.2	89.0
Iowa	1,066	1,159	6,902	1,596	1,946	555	1,711	44.3	48.2	281.7	79.1
Missouri	1,703	2,226	8,806	779	2,726	904	2,712	50.0	65.4	256.5	79.3
North Dakota	247	145	1,269	338	338	160	120	38.2	22.4	190.9	50.6
South Dakota	283	211	1,297	424	377	94	171	44.5	33.1	199.5	57.7
Nebraska	553	405	2,988	751	932	336	573	42.7	31.2	225.8	70.2
Kansas	916	1,095	3,402	767	1,734	441	979	51.8	61.9	190.1	96.7
South Atlantic	5,946	6,894	28,637	2,444	17,301	4,241	6,875	42.5	47.8	198.1	118.9
Delaware	46	139	518	50	318	153	277	20.6	62.3	226.9	138.6
Maryland	657	763	4,719	773	1,866	912	1,308	45.3	52.6	316.8	124.6
Dist. of Col.	351	358	3,931	-------	473	380	313	80.2	81.8	898.4	100.5
Virginia	1,042	1,161	5,129	644	2,466	542	1,211	45.1	50.3	216.1	103.4
West Virginia	632	647	2,134	359	1,972	481	702	43.2	44.2	130.8	128.2
North Carolina	1,189	1,230	3,692	308	1,738	544	1,474	46.5	48.1	139.3	65.1
South Carolina	539	597	2,414	123	1,255	477	451	32.0	35.5	139.8	72.3
Georgia	1,094	1,336	4,150	47	5,622	403	872	37.8	46.1	139.7	188.4
Florida	396	463	1,950	140	1,591	349	207	40.9	47.8	190.4	153.7
East South Central	3,745	4,935	13,450	621	9,849	1,465	4,097	42.1	55.5	149.1	108.9
Kentucky	1,255	1,640	4,708	531	2,484	618	1,457	51.9	67.9	192.2	101.1
Tennessee	1,103	1,429	3,407	15	1,986	272	1,477	47.2	61.1	143.3	83.3
Alabama	817	1,026	2,718	-------	3,571	575	708	34.8	43.7	113.1	148.0
Mississippi	570	840	2,617	75	1,808	[3]	395	31.8	46.9	146.2	101.0
West South Central	3,902	4,258	14,936	739	9,344	1,570	2,075	38.1	41.6	140.7	87.4
Arkansas	740	919	2,121	7	1,555	205	578	42.2	52.4	118.0	86.0
Louisiana	866	725	3,322	170	1,940	134	174	48.2	40.3	181.0	105.3
Oklahoma	624	860	2,895	330	1,957	293	250	30.8	42.4	136.3	91.3
Texas	1,672	1,754	6,598	232	3,892	938	1,073	35.9	37.6	135.7	79.4
Mountain	1,211	1,906	6,471	731	3,441	1,144	1,778	36.3	57.1	184.0	96.8
Montana	150	180	1,438	91	405	182	324	27.3	32.8	242.3	67.2
Idaho	124	131	609	253	337	271	193	28.7	30.3	132.6	72.5
Wyoming	36	30	426	128	358	59	62	18.5	15.4	205.9	171.0
Colorado	364	706	2,147	259	1,184	483	607	38.7	75.1	220.0	120.4
New Mexico	190	552	392	-------	262	42	[4]	52.7	153.2	106.3	70.7
Arizona	92	101	554	-------	422	92	206	27.5	30.2	150.7	112.8
Utah	236	165	700	-------	264	[3]	188	52.5	36.7	149.3	55.8
Nevada	19	41	205	-------	209	15	138	24.5	53.0	264.8	270.0
Pacific	2,045	2,356	18,476	3,147	7,043	1,387	6,469	36.7	42.3	312.1	117.5
Washington	566	498	3,815	803	1,358	334	769	41.7	36.7	270.2	95.4
Oregon	344	354	2,666	675	577	193	580	43.9	45.2	328.4	70.6
California	1,135	1,504	11,995	1,669	5,108	860	5,120	33.1	43.9	324.4	130.2

[1] Figures include 544 inmates of State prisons, for whom no schedules were received, not included in Tables 76 and 78. Total also includes 4,664 prisoners in Federal prisons.

[2] In special institutions.

[3] Not reported.

[4] No almshouses maintained.

Source: Bureau of the Census, Department of Commerce.

GENERAL NOTE.—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data

NO. 56.—DEAF-MUTE POPULATION ENUMERATED: 1880 TO 1920

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880 [1]	1890 [2]	1900 [3]	1910 [4]	1920 [5]	1880	1890	1900	1910	1920
United States	33,878	40,592	24,369	44,708	44,885	67.5	64.8	32.1	48.6	42.5
New England	2,581	3,389	1,279	2,373	3,093	64.4	72.1	22.9	36.2	41.8
Middle Atlantic	7,368	7,967	3,974	8,823	8,361	70.2	62.7	25.7	45.7	37.6
East North Central	8,512	9,837	5,634	9,810	10,770	76.0	73.0	35.2	53.8	50.2
West North Central	4,151	6,214	4,082	6,211	5,812	67.4	69.6	39.4	53.4	46.3
South Atlantic	4,975	5,597	3,673	6,260	5,946	65.5	63.2	35.2	51.3	42.5
East South Central	3,682	3,831	2,695	4,458	3,745	65.9	59.6	35.7	53.0	42.1
West South Central	1,784	2,478	2,100	4,298	3,902	53.5	52.3	32.1	48.9	38.1
Mountain	317	508	370	1,027	1,211	48.5	41.8	22.1	39.0	36.3
Pacific	508	771	562	1,448	2,045	45.6	40.8	23.3	34.5	36.7

[1] Deaf-mutes, exclusive of those reported as 16 years of age or over when hearing was lost.
[2] Deaf persons unable to speak at all.
[3] Deaf persons unable to speak at all, for whom special schedules were returned.
[4] Persons reported as deaf and dumb by the population enumerators.
[5] Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

NO. 57.—DEAF-MUTES BY SEX, RACE, AND NATIVITY, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign-born	
United States	44,885	35,026	19,166	15,860	30,805	2,622	1,599
New England	3,093	2,655	1,447	1,208	2,236	380	9
Middle Atlantic	8,361	6,952	3,825	3,127	6,070	789	93
East North Central	10,770	8,874	4,936	3,938	7,951	796	127
West North Central	5,812	4,638	2,546	2,092	4,221	331	86
South Atlantic	5,946	4,102	2,230	1,872	3,345	63	694
East South Central	3,745	2,605	1,365	1,240	2,283	15	307
West South Central	3,902	2,680	1,421	1,259	2,408	30	242
Mountain	1,211	924	519	405	843	62	19
Pacific	2,045	1,596	877	719	1,418	156	22

NO. 58.—CAUSE OF DEAFNESS AND AGE AT WHICH HEARING WAS LOST: DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of deafness	Total	Deaf at birth	Age at which hearing was lost				Age not reported
			Less than 5 years	5 to 9 years	Childhood (age not reported)	10 years or over	
All causes	35,028	13,513	16,468	3,516	621	250	668
Congenital	13,513	13,513					
Scarlet fever	3,346		2,457	760	40	33	26
Meningitis	3,237		2,457	715	11	36	18
Brain fever	1,314		1,068	215	9	8	14
Falls and blows	1,177		992	142	12	12	19
Measles	1,083		919	141	11	5	7
Typhoid fever	642		456	167	5	11	3
Whooping cough	636		571	46	16	2	1
Diseases of the ear	464		417	31	11	2	3
Abscesses in the head	446		403	26	4	2	11
All other and unknown	9,168		6,718	1,243	502	139	566

Source: Bureau of the Census, Department of Commerce.

No. 59.—EDUCATION, ABILITY TO READ LIPS, AND MEANS OF COMMUNICATION OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Class	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Deaf-mutes, 5 years of age and over	34,726	2,637	6,896	8,800	4,598	4,065	2,571	2,656	919	1,584
Having attended school, total	30,565	2,385	6,259	7,924	4,178	3,263	2,070	2,197	794	1,495
School for the deaf	29,867	2,327	6,164	7,730	4,066	3,179	2,010	2,147	773	1,471
School other than for the deaf	698	58	95	194	112	84	60	50	21	24
Not having attended school, total	3,917	224	589	823	402	775	472	441	117	74
Reporting instruction at home	163	11	28	33	7	26	23	25	5	5
Reporting no instruction	3,754	213	561	790	395	749	449	416	112	69
Not reporting as to education	244	28	48	53	18	27	29	18	8	15
Deaf-mutes, 10 years of age and over	31,230	2,349	6,132	7,926	4,245	3,665	2,276	2,405	821	1,411
Able to read lips	16,901	1,684	3,829	4,035	2,006	1,922	1,094	1,069	408	764
Not able to read lips	12,521	585	2,023	3,464	1,923	1,443	952	1,257	290	584
Not reporting as to ability to read lips	1,808	80	280	427	316	300	230	79	33	63
Means of communication:										
Speech and other means	12,286	1,360	3,006	2,963	1,422	1,252	599	693	373	618
Not speech but other means	17,434	915	2,894	4,632	2,657	2,032	1,519	1,000	416	769
None	606	31	95	132	87	105	66	56	15	19
Not reported	1,510	74	232	331	166	381	158	112	32	24

No. 60.—OCCUPATIONS OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Occupation	Total	Male				Female			
		All classes	White		Colored	All classes	White		Colored
			Native	Foreign born			Native	Foreign born	
Number, 10 years of age and over	31,230	17,176	14,958	1,456	762	14,054	12,270	1,100	684
Not gainfully employed	18,552	6,980	6,212	427	341	11,572	10,265	830	477
Receiving State or county aid	836	471	404	43	24	365	320	25	20
Gainfully employed	12,678	10,196	8,746	1,029	421	2,482	2,005	270	207
Occupation of those gainfully employed:									
Agriculture, forestry, etc	3,016	2,664	2,315	151	198	352	255	26	71
Farmers	2,183	1,968	1,732	113	113	225	176	18	31
Laborers	762	649	535	37	77	113	65	8	40
Extraction of minerals	64	64	56	7	1				
Manufacturing, etc	7,269	6,180	5,284	757	139	1,089	921	141	27
Carpenters and cabinetmakers	438	438	374	58	6				
Compositors	521	507	454	52	1	14	13		1
Dressmakers and seamstresses	293					293	248	34	11
Laborers, building	782	755	612	88	55	27	19	2	6
Transportation and communication	143	139	116	12	11	4	4		
Trade	241	203	176	19	8	38	32	6	
Public service	45	41	36	4	1	4	4		
Professional service	290	222	204	15	3	68	63	5	
Domestic and personal service	1,072	347	265	36	46	725	552	73	100
Clerical occupations	235	182	165	16	1	53	51	2	
Unclassified	303	154	129	12	13	149	123	17	9

Source: Bureau of the Census, Department of Commerce.

No. 61.—BLIND POPULATION ENUMERATED: 1880 TO 1920

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880	1890	1900	1910	1920	1880	1890	1900	1910	1920
United States	48,928	50,568	64,703	57,272	52,567	97.6	80.8	85.2	62.3	49.7
New England	4,341	4,367	4,846	4,090	4,699	108.2	92.9	86.7	62.4	63.5
Middle Atlantic	9,726	9,154	10,931	10,001	9,374	92.7	72.1	70.7	51.8	42.1
East North Central	10,177	11,229	14,666	11,731	12,234	90.8	83.4	91.7	64.3	57.0
West North Central	5,047	6,319	8,714	6,079	6,111	82.0	71.1	84.2	57.4	48.7
South Atlantic	8,394	7,867	9,159	8,279	6,694	110.5	88.8	87.7	67.9	47.8
East South Central	6,812	6,190	8,221	7,019	4,935	118.4	96.3	108.9	83.5	55.5
West South Central	3,192	3,640	5,284	5,621	4,258	95.7	80.1	80.6	64.0	41.6
Mountain	661	762	1,307	1,787	1,900	101.2	65.9	78.0	67.9	57.1
Pacific	778	1,040	1,655	2,065	2,356	69.8	55.0	68.5	49.3	42.3

No. 62.—TOTAL BLIND ENUMERATED AND SEX, RACE, AND NATIVITY OF THOSE FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign born	
United States	52,567	40,913	23,977	18,936	30,313	6,327	4,273
New England	4,699	4,184	2,311	1,873	3,004	1,104	76
Middle Atlantic	9,374	7,807	4,430	3,377	5,824	1,686	297
East North Central	12,234	10,253	5,924	4,329	8,012	1,785	456
West North Central	6,111	4,881	2,905	1,976	3,786	828	267
South Atlantic	6,694	4,594	2,778	1,816	3,000	122	1,472
East South Central	4,935	3,371	2,002	1,369	2,427	49	895
West South Central	4,258	2,716	1,611	1,105	1,990	115	611
Mountain	1,906	1,400	887	513	1,067	229	104
Pacific	2,356	1,707	1,069	638	1,203	409	95

No. 63.—CAUSE OF BLINDNESS AND AGE AT WHICH VISION WAS LOST: BLIND PERSONS FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of blindness	Total	Blind at birth	Age at which vision was lost						
			Less than 5 years	5 to 9 years	10 to 19 years	20 to 44 years	45 to 64 years	65 years or over	Age not reported
All causes	40,913	3,978	4,362	2,476	3,259	8,445	8,713	7,853	1,825
Congenital	2,635	2,635							
Ophthalmia neonatorum	1,198	228	825	10	11	3			121
Meningitis	526	1	203	151	97	46	9	2	17
Scarlet fever	416	1	159	111	66	49	13	6	11
Measles	797	2	197	134	136	171	83	47	27
Trachoma	555	3	37	43	90	164	130	53	35
Atrophy of the nerve	1,756	112	79	80	120	577	514	227	47
Accidental injury	5,913	25	340	655	923	2,181	1,156	482	151
Disease of the retina	497	13	25	13	38	134	159	97	18
Glaucoma	1,932	14	27	11	54	259	898	621	48
Cataract	4,896	400	181	100	147	449	1,169	2,274	176
All other and unknown	19,792	544	2,289	1,170	1,577	4,412	4,582	4,044	1,174

Source: Bureau of the Census, Department of Commerce.

No. 64.—EDUCATION AND ABILITY TO READ RAISED TYPE, OF BLIND 5 YEARS OF AGE AND OVER, FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Class	Age on date of enumeration								
	Total, 5 years and over	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years or over	Not reported
All classes	40,693	1,057	2,044	2,074	1,677	7,119	10,913	15,384	425
Having attended school, total	20,432	654	1,767	1,838	1,433	4,920	5,230	4,390	200
School for the blind	12,647	630	1,688	1,739	1,296	3,099	2,619	838	138
School other than for the blind	7,785	24	79	99	137	1,221	2,611	3,552	62
Not having attended school, total	19,854	356	248	226	232	2,171	5,622	10,802	197
Reporting instruction at home	1,249	12	22	16	23	237	503	431	5
Reporting no instruction	18,605	344	226	210	209	1,934	5,119	10,371	192
Not reporting as to education	407	47	29	10	12	28	61	192	28
Reading raised type	11,934	460	1,421	1,503	1,152	3,513	2,660	1,121	104
Not reading raised type	27,804	488	481	420	449	3,536	8,148	13,999	283
Not reporting as to ability to read raised type	955	109	142	151	76	70	105	264	38

Source: Bureau of the Census, Department of Commerce.

No. 65.—OCCUPATIONS OF BLIND PERSONS FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Occupation	Total	Male				Female			
		All classes	White		Colored	All classes	White		Colored
			Native	Foreign born			Native	Foreign born	
Number 10 years of age and over	39,686	23,261	16,782	3,873	2,596	16,385	12,355	2,443	1,587
Not gainfully employed	32,459	17,344	12,292	3,066	1,986	15,115	11,310	2,321	1,484
Receiving State or county aid	7,741	4,916	3,588	804	524	2,825	2,210	383	232
Gainfully employed	7,177	5,907	4,490	807	610	1,270	1,045	122	103
Occupation of those gainfully employed:									
Agriculture, etc	948	864	691	103	70	84	68	8	8
Farmers	714	660	518	86	56	54	41	8	5
Extraction of minerals	12	12	9	1	2				
Manufacturing, etc	3,090	2,470	1,850	384	236	620	519	64	37
Broom makers	837	825	629	148	48	12	9	3	
Piano tuners	449	447	418	29		2	2		
Chair caners	476	381	242	68	71	95	75	7	13
Seamstresses and fancy workers	259					259	225	21	13
Transportation and communication	110	92	82	5	5	18	17	1	
Trade	1,264	1,230	951	184	95	34	27	3	4
Hucksters and peddlers	320	311	228	57	26	9	8		1
Public service	34	28	23	4	1	6	6		
Professional service	1,005	751	564	74	113	254	215	25	14
Musicians and teachers	506	387	302	37	48	119	102	7	10
Domestic and personal service	393	225	130	29	66	168	112	17	39
Clerical occupations	281	207	173	18	16	74	70	3	1
Unclassified	40	28	17	5	6	12	11	1	

Source: Bureau of the Census, Department of Commerce.

No. 66.—PAUPERS ENUMERATED IN ALMSHOUSES: 1880 TO 1923

Division	Number on date of enumeration [1]					Ratio per 100,000 of population				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
United States	**66,203**	**73,044**	**81,764**	**84,198**	**78,090**	**132.0**	**116.6**	**100.0**	**91.5**	**71.5**
New England	9,835	9,500	11,495	11,886	9,529	245.2	202.1	193.5	181.4	125.1
Middle Atlantic	24,098	21,643	21,783	23,772	18,564	229.6	170.4	129.2	123.1	80.6
East North Central	16,474	20,279	21,127	21,368	21,405	147.0	150.5	125.7	117.0	96.0
West North Central	3,337	5,336	6,618	6,366	7,298	54.2	60.0	61.2	54.7	57.1
South Atlantic	6,975	8,100	8,298	7,706	6,875	91.8	91.4	74.9	63.2	47.6
East South Central	3,361	4,240	4,768	4,266	4,097	60.2	66.0	60.7	50.7	45.4
West South Central	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.6	19.5
Mountain	152	367	1,283	1,652	1,778	23.3	31.7	63.4	62.7	50.6
Pacific	1,056	2,770	4,703	5,562	6,469	148.6	148.0	153.6	132.7	109.3

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.

Source: Bureau of the Census, Department of Commerce.

No. 67.—PAUPERS ENUMERATED IN ALMHOUSES: BY AGE GROUPS

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
All ages	**66,203**	**73,044**	**81,764**	**84,198**	**78,090**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 15 years	8,885	5,027	2,755	2,370	1,896	13.4	7.7	3.4	2.8	2.4
15 to 24 years	4,996	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years	17,609	17,077	13,573	11,904	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years	12,807	15,037	18,810	20,613	15,104	19.3	20.6	23.0	24.5	19.3
60 to 74 years	14,307	18,865	26,803	30,189	32,371	21.6	25.8	32.8	35.9	41.5
75 years and over	7,599	10,714	15,084	15,843	18,763	11.5	14.7	18.4	18.8	24.0
Age unknown	-------	1,342	1,549	675	870	-------	1.8	1.9	.8	1.1

Source: Bureau of the Census, Department of Commerce.

No. 68.—PAUPERS ADMITTED TO ALMSHOUSES, AND DEPARTURES AND DEATHS, DURING 1922

Division	Number admitted							Number departed	
	Total	Male	Female	White			Negro [1]	Discharges and transfers	Deaths
				Native	Foreign born	Nativity unknown			
United States	**63,807**	**46,670**	**17,137**	**37,788**	**17,998**	**1,747**	**5,949**	**44,066**	**15,772**
New England	10,036	6,918	3,118	5,971	3,600	200	256	8,009	2,035
Middle Atlantic	14,250	10,466	3,784	8,294	4,859	382	693	11,094	3,287
East North Central	15,604	11,985	3,619	9,224	4,761	410	1,182	10,393	4,159
West North Central	4,137	3,161	976	2,759	974	184	213	2,535	1,072
South Atlantic	6,396	4,067	2,329	3,289	413	188	2,493	3,661	1,787
East South Central	2,128	1,318	810	1,403	30	29	663	1,119	775
West South Central	1,723	1,190	533	1,140	193	86	316	847	401
Mountain	2,375	1,743	632	1,529	606	99	37	1,567	541
Pacific	7,158	5,822	1,336	4,179	2,492	189	96	4,851	1,715

[1] Figures for other colored races amounting to 335 in all, insignificant except in Pacific division.

Source: Bureau of the Census, Department of Commerce.

No. 69.—MENTAL PATIENTS, FEEBLE-MINDED AND EPILEPTICS IN STATE INSTITUTIONS, AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1904 TO 1929

Year	State hospitals for mental disease [1]				State institutions for feeble-minded and epileptics [2]				Prisons and reformatories [3]			
	First admissions		Patients present on a given date [4]		First admissions		Patients present on a given date [4]		Prisoners received from courts during the year		Prisoners present on a given date [4]	
	Number	Per 100,000 population [5]	Number	Per 100,000 population [6]	Number	Per 100,000 population [5]	Number	Per 100,000 population [6]	Number	Per 100,000 population [6]	Number	Per 100,000 population (6)
1904			129,222	153.0					[7] 27,740	33.6	[8] 57,070	69.1
1910			159,096	173.0			[9] 17,411	18.9	29,710	32.3	68,735	74.7
1922	50,286	45.8	222,406	203.7	7,467	6.9	43,579	39.9				
1923			229,664	207.3			46,580	42.0	38,628	34.6	81,969	74.0
1926	52,793	46.0	246,486	216.3	8,171	7.0	55,201	47.8	48,108	42.0	91,669	80.0
1927	56,144	47.3	256,858	217.9	8,353	7.3	58,367	49.5	51,930	44.8	98,245	85.2
1928	59,392	49.6	264,701	222.5	[10]8,552	8.7	60,419	53.1	[11]50,029	44.7	106,517	91.4
1929			272,720	226.1			[10]60,287	60.6			[11]110,565	98.3

[1] Includes two Federal hospitals—St. Elizabeths, District of Columbia, and Asylum for Insane Indians, South Dakota.
[2] Includes one Federal institution, the District of Columbia Training School.
[3] Includes Federal civil prisons and State penal institutions used entirely or chiefly for adult offenders convicted of felonies.
[4] June 30, 1904, and, in general, Jan. 1 other years, but data for a few hospitals relate to other dates.
[5] Based on enumerated population Apr. 15, 1910, and estimated population July 1 of other years.
[6] Based on enumerated population Apr. 15, 1910, and estimated population Jan. 1 of other years.
[7] Figure represents "major offenders," but is substantially comparable to other figures here given.
[8] Exclusive of prisoners committed for nonpayment of fine.
[9] Does not include seven special State institutions for epileptics, included for later enumerations.
[10] Excluding 8 institutions not reported. [11] Excluding 5 institutions not reported.

No. 70.—STATE HOSPITALS FOR MENTAL DISEASE: FIRST ADMISSIONS DURING 1922, 1927, AND 1928, BY PSYCHOSIS [1]

Psychosis	Number			Per 100,000 population		
	1922 [2]	1927	1928	1922	1927	1928
Grand total	52,472	56,144	59,392	47.7	47.3	49.6
With psychosis, total	49,116	53,445	55,568	44.7	45.1	46.4
Traumatic	136	221	256	.1	.2	.2
Senile	5,101	5,592	5,646	4.6	4.7	4.7
With cerebral arteriosclerosis	3,045	4,826	5,334	2.8	4.1	4.5
General paralysis	4,977	5,024	5,040	4.5	4.2	4.2
With cerebral syphilis	589	839	875	.5	.7	.7
With Huntington's chorea	86	97	95	.1	.1	.1
With brain tumor	38	38	44	(3)	(3)	(3)
With other brain or nervous diseases	456	700	883	.4	.6	.7
Alcoholic	1,819	2,656	2,771	1.7	2.2	2.3
Due to drugs and other exogenous toxins	355	364	349	.3	.3	.3
With pellagra	339	789	942	.3	.7	.8
With other somatic diseases	1,285	1,618	1,621	1.2	1.4	1.4
Manic-depressive	8,095	7,828	8,374	7.4	6.6	7.0
Involution melancholia	1,083	1,115	1,063	1.0	.9	.9
Dementia præcox (schizophrenia)	11,887	12,441	11,909	10.8	10.5	9.9
Paranoia or paranoid conditions	1,266	965	1,055	1.2	.8	.9
Epileptic psychoses	1,513	1,600	1,676	1.4	1.3	1.4
Psychoneuroses and neuroses	1,063	1,043	1,070	1.0	.9	.9
With psychopathic personality	764	721	687	.7	.6	.6
With mental deficiency	1,615	2,061	2,055	1.5	1.7	1.7
Undiagnosed psychoses	3,142	1,781	1,806	2.9	1.5	1.5
Psychoses not reported	462	1,126	1,967	.4	.9	1.6
Without psychosis, total	3,356	2,699	3,824	3.1	2.3	3.2
Epilepsy	(4)	82	165		.1	.1
Alcoholism	(4)	504	1,126		.5	.9
Drug addiction	(4)	401	447		.3	.4
Psychopathic personality	(4)	130	331		.1	.7
Mental deficiency	(4)	594	884		.5	.7
Others without psychosis	(4)	928	871		.8	.7

[1] See footnote 1, Table 69.
[2] Figures include 2,186 admissions to three State psychopathic hospitals in Iowa, Massachusetts, and Michigan, which were not separately tabulated by psychosis.
[3] Less than one-tenth of 1 per 100,000. [4] Separate figures not available.

Source of Tables 69 and 70: Bureau of the Census, Department of Commerce.

No. 71.—STATE HOSPITALS FOR MENTAL DISEASE AND STATE INSTITUTIONS FOR THE FEEBLE-MINDED AND EPILEPTICS: FIRST ADMISSIONS DURING THE YEAR AND NUMBER PRESENT, BY STATES

Division and State	Hospitals for mental disease						Institutions for the feeble-minded and epileptics					
	First admissions during the year				Patients present at beginning of year		First admissions during the year				Patients present at beginning of year	
	Number			Per 100,000 population 1928			Number			Per 100,000 population 1928 [1]		
	1926	1927	1928		1923	1929	1926	1927	1928		1923	1929
United States	50,280	50,144	50,392	50	229,664	272,720	7,467	8,353	8,552	9	46,580	60,287
New England	5,013	4,886	5,440	68	25,167	29,044	755	830	754	9	6,033	7,701
Maine	339	404	456	57	1,838	2,140	104	43	42	5	467	677
New Hampshire	306	307	387	84	1,399	1,644	38	41	32	7	393	440
Vermont	164	152	187	52	784	883	55	19	20	6	179	233
Massachusetts	2,940	2,740	2,995	72	15,285	17,550	483	521	500	12	4,062	5,136
Rhode Island	346	376	412	61	1,485	1,825	36	62	73	11	377	465
Connecticut	918	907	1,003	64	4,376	5,002	39	144	87	6	555	750
Middle Atlantic	10,060	11,976	12,585	49	55,145	65,112	2,011	2,052	2,658	10	12,388	16,619
New York	7,218	8,473	8,967	73	39,510	46,549	1,424	1,322	1,475	12	7,239	9,665
New Jersey	1,317	1,402	1,443	37	5,090	6,148	277	291	678	17	1,777	2,979
Pennsylvania	1,525	2,101	2,175	23	10,545	12,415	310	439	500	5	3,372	3,975
East North Central	10,843	11,397	12,029	49	46,044	52,878	2,064	2,470	2,372	10	12,714	18,301
Ohio	2,708	3,300	3,403	52	12,811	14,646	620	806	953	15	4,229	6,133
Indiana	955	1,007	1,084	34	5,780	6,698	226	208	264	8	1,945	2,616
Illinois	5,053	4,658	5,095	69	18,764	21,551	423	699	693	9	2,625	4,500
Michigan	1,236	1,288	1,300	28	7,392	8,112	659	385	258	6	2,688	3,428
Wisconsin	991	1,144	1,147	40	1,297	1,871	236	192	204	7	1,227	1,624
West North Central	4,988	5,295	5,359	43	25,573	29,447	325				7,221	
Minnesota	1,295	1,280	1,413	56	6,632	7,632	197	263	319	13	1,857	2,135
Iowa	939	970	1,140	46	5,002	5,539	239	249	170	7	1,964	2,409
Missouri	1,139	1,293	1,424	40	5,242	6,087	37	[2]			587	
North Dakota	242	256	259	38	1,269	1,491	31	59	91	13	338	569
South Dakota	168	202	246	36	1,207	1,430	79	50	73	11	424	465
Nebraska	571	639	551	40	2,026	3,431	91	56	65	5	751	857
Kansas	632	675	626	34	3,295	3,837	151	145	138	7	1,300	1,517
South Atlantic	6,493	7,503	8,319	54	26,789	33,710	658	778			2,693	
Delaware	96	129	147	62	518	629	24	32	27	11	50	142
Maryland	628	686	611	38	3,297	4,064	68	62			755	
Dist. of Col	888	502	661	138	3,931	4,117	[3]	49			[3]	
Virginia	1,360	1,332	1,513	63	5,012	6,017	75	113	124	5	533	703
West Virginia	687	701	935	56	2,134	2,688	119	85	30	2	547	759
North Carolina	851	1,373	1,479	48	3,575	5,140	207	193	210	7	501	[4] 593
South Carolina	643	823	1,005	58	2,400	2,884	23	101	80	5	123	452
Georgia	652	965	831	29	3,972	5,060	9	29			44	
Florida	688	992	1,137	82	1,960	3,102	133	115	135	10	140	403
East South Central	3,528	4,172	4,365	45	12,636	15,124	35	188			497	
Kentucky	1,109	1,209	1,282	50	4,035	5,077	22	26	78	3	425	520
Tennessee	811	926	837	33	2,746	3,449	[3]	124			[3]	
Alabama	927	981	979	38	2,718	3,527	[3]	23	36	1	[3]	329
Mississippi	922	1,056	1,267	64	2,537	3,071	13	15			72	
West South Central	3,330	4,487	4,558	39	14,321	18,941	331	399			1,297	
Arkansas	731	1,137	1,022	56	1,990	2,749	[3]	[3]	[3]	[3]	[3]	[3]
Louisiana	547	624	688	34	3,022	3,881	99	39	176	9	130	371
Oklahoma	695	1,126	1,136	49	2,873	4,115	54	63			330	
Texas	1,357	1,580	1,712	30	6,436	8,196	178	297			837	
Mountain	1,447	1,596	1,544	43	6,221	7,400	156	134	134	4	724	1,153
Montana	317	293	296	55	1,438	1,518	14	56	35	7	91	279
Idaho	144	131	136	31	609	671	58	22	40	9	253	336
Wyoming	61	54	77	35	309	417	36	18	26	12	125	189
Colorado	369	487	436	43	2,017	2,488	48	38	33	3	255	349
New Mexico	92	149	131	31	392	527	[3]	[3]	[3]	[3]	[3]	[3]
Arizona	209	181	186	44	554	709	[3]	[3]	[3]	[3]	[3]	[3]
Utah	183	241	206	42	697	832	[3]	[3]	[3]	[3]	[3]	[3]
Nevada	42	60	77	37	205	238	[3]	[3]	[3]	[3]	[3]	[3]
Pacific	4,471	4,847	4,882	63	17,678	20,974	632	679	887	12	3,013	4,194
Washington	871	907	811	53	3,765	4,216	165	131	269	18	803	1,086
Oregon	709	765	749	81	2,400	2,933	162	76	105	11	675	808
California	2,891	3,175	3,322	63	11,507	13,825	305	472	513	10	1,535	2,300
Federal Hospital for Indians	14	5	11	[5]	90	90						

[1] Excluding 8 institutions not reported.
[2] No census report received.
[3] No separate institution in operation.
[4] Exclusive of figures for the epileptic department of Raleigh State Hospital.
[5] Less than one-tenth of 1 per 100,000.

Source: Bureau of the Census, Department of Commerce.

No. 72.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE: 1880 TO 1923

Division	Number on date of enumeration [1]					Ratio per 100,000 of population				
	1880 [2]	1890 [2]	1904	1910	1923	1880	1890	1904	1910	1923
United States	40,942	74,028	150,151	187,791	[3]267,617	81.6	118.2	183.6	204.2	245.0
New England	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.1	298.8	352.7
Middle Atlantic	12,710	21,435	42,562	52,380	70,535	121.1	168.8	252.5	271.2	306.4
East North Central	8,966	15,674	33,039	41,246	56,881	80.0	116.3	196.6	226.0	255.0
West North Central	3,493	8,641	18,595	22,683	31,355	56.7	97.2	171.9	194.9	245.4
South Atlantic	4,660	9,007	16,514	19,952	28,637	61.3	101.7	149.1	163.6	198.1
East South Central	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central	800	2,043	6,010	8,413	14,936	24.0	45.0	81.8	95.8	140.7
Mountain	107	858	2,529	3,574	6,471	16.4	74.2	125.0	135.7	184.0
Pacific	2,363	4,184	8,180	10,204	18,476	212.0	223.6	257.2	243.4	312.1

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.
[2] Total number of insane enumerated, including those not in hospitals in 1880 and 1890, was 91,959 and 106,485, respectively.
[3] Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

No. 73.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE: BY AGE GROUPS

Age group	Number enumerated				Per cent distribution			
	1890	1904	1910	1923	1890	1904	1910	1923
All ages	74,028	150,151	187,791	265,829	100.0	100.0	100.0	100.0
Under 15 years	51	112	341	634	0.1	0.1	0.2	0.2
15 to 24 years	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years	36,346	66,719	79,351	109,757	49.1	44.4	42.3	41.3
45 to 59 years	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

No. 74.—PATIENTS ADMITTED TO HOSPITALS FOR MENTAL DISEASE DURING 1922: BY PSYCHOSIS

Psychosis	All classes		Male	Female	White			Colored
	Number	Per cent distribution			Native	Foreign-born	Nativity unknown	
All clinical groups	71,678	100.0	41,714	29,962	45,824	15,411	4,265	6,176
Senile	6,845	9.5	3,563	3,282	3,952	1,883	518	492
With cerebral arteriosclerosis	3,438	4.8	2,233	1,205	2,028	985	225	200
General paralysis	6,294	8.8	5,076	1,218	3,720	1,427	438	709
With cerebral syphilis	893	1.2	637	256	467	127	59	240
Alcoholic	2,693	3.8	2,427	266	1,464	881	235	113
Manic-depressive	11,393	15.9	4,880	6,513	7,276	2,374	610	1,133
Involution melancholia	1,803	2.5	560	1,243	1,252	420	95	36
Dementia præcox (schizophrenia)	15,526	21.7	8,950	6,576	9,875	3,651	609	1,391
Paranoia or paranoid conditions	1,881	2.6	873	1,008	1,213	485	85	98
Epileptic	1,813	2.5	1,121	692	1,279	205	74	255
Psychoneuroses and neuroses	2,777	3.9	1,658	1,119	2,145	457	119	56
With psychopathic personality	914	1.3	585	329	688	152	23	51
With mental deficiency	1,899	2.6	1,076	823	1,438	210	76	175
All other and unknown	13,507	18.8	8,075	5,432	9,027	2,154	1,099	1,227

Source: Bureau of the Census, Department of Commerce.

No. 75.—PRISONERS IN ALL PENAL INSTITUTIONS: 1880 TO 1923

Division	Number on date of enumeration [1]				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States	49,527	[2] 81,772	[2] 99,199	[2] 104,067	98.7	99.0	107.9	94.6
New England	4,770	8,599	9,608	5,746	118.9	143.6	148.0	75.0
Middle Atlantic	13,816	18,790	22,165	20,150	131.6	110.2	114.8	87.0
East North Central	7,759	12,042	13,476	19,281	69.3	71.2	73.8	85.8
West North Central	3,768	7,828	8,216	9,823	61.2	71.9	70.6	76.6
South Atlantic	6,895	10,740	14,915	15,703	90.8	96.2	122.3	108.0
East South Central	5,107	7,524	10,384	9,648	93.1	95.2	123.5	106.7
West South Central	4,192	7,990	8,419	8,935	125.7	95.0	95.8	83.6
Mountain	743	2,954	4,171	3,322	113.8	142.6	158.4	93.5
Pacific	2,378	4,564	6,851	6,795	213.4	144.8	139.6	113.4

[1] June 1, 1880; June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine.
[2] Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910; and 4,664 in 1923.

No. 76.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR: BY CLASSES

NOTE.—See Tables 69 and 80, for prisoners in prisons and reformatories, 1923 and earlier years

Class	Number present Jan. 1	Commitments during 1923		Age group	Number present Jan. 1	Commitments during 1923	
		Number [1]	Per 100,000 population of same class			Number [1]	Per 100,000 population of same group
All classes	109,076	357,493	325.1	Under 18 years	2,230	7,195	126.5
				18 to 20 years	11,789	31,086	562.9
Male	103,883	328,820	610.1	21 to 24 years	21,489	52,766	703.9
Female	5,192	28,673	55.3	25 to 34 years	37,336	100,007	582.9
				35 to 44 years	20,537	80,829	572.4
White, total	73,549	266,857	281.4	45 to 64 years	13,183	60,838	357.2
Native	53,238	194,179	[2] 230.4	65 years and over	1,284	4,931	100.0
Foreign born	15,061	66,990	[2] 488.5	Age unknown	1,277	19,841	
Nativity unknown	250	5,688					
Negro	34,178	83,399	797.1				
Other and unknown	1,348	7,237	666.9				

[1] Estimate based on reported commitments during first six months.
[2] Figures for prisoners and population 18 years of age and over afford a more accurate basis of comparison between the native and the foreign born white; on this basis ratios are 404.1 and 517.5 respectively.

No. 77.—PRISONERS AND JUVENILE DELINQUENTS ENUMERATED JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR

Division	Number present Jan. 1			Commitments during 1923 [1]					
	Prisoners in—		Juvenile delinquents in institutions [4]	Prisoners to—		Juveniles to institutions [4]	Under 10 years of age	10 to 17 years of age	
	Prisons and reformatories [2, 3]	Jails and workhouses [3]		Prisons and reformatories [2]	Jails and workhouses [3]			Number	Per 100,000 of same age
United States	81,479	28,140	[4] 29,468	[6] 37,585	319,908	[5] 25,909	344	[4] 25,565	156.5
New England	3,527	2,421	2,718	1,610	18,919	2,352	40	2,312	229.8
Middle Atlantic	12,526	8,180	7,104	4,747	76,228	6,000	168	5,832	185.7
East North Central	15,751	5,308	5,434	7,537	70,351	5,145	12	5,133	168.9
West North Central	8,566	1,698	3,366	4,024	26,799	2,227	22	2,205	113.5
South Atlantic	11,382	5,019	4,751	4,010	46,748	4,539	52	4,487	180.8
East South Central	8,498	1,351	1,643	2,961	15,557	1,464	12	1,452	102.6
West South Central	8,379	965	1,820	4,730	20,866	2,093	8	2,085	110.8
Mountain	2,923	508	1,202	1,681	11,061	866	20	846	195.9
Pacific	5,253	1,790	1,424	2,582	33,279	1,203	10	1,193	173.8

[1] See footnote 1, Table 76.
[2] See footnote 1, Table 55.
[3] "Jails and workhouses" includes data for houses of correction in Rhode Island and Maryland included with "Prisons and reformatories" in Tables 69 and 80.
[4] Including those in special institutions and prisoners under 18 years of age in penal institutions not primarily for juvenile delinquents. See Table 76.
[5] Including those in United States penitentiaries.
[6] Including 3,703 committed to Federal prisons.

Source: Bureau of the Census, Department of Commerce.

No. 78.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS AND COMMITMENTS: BY NATURE AND LENGTH OF SENTENCE

Sentence	Number				Per cent distribution			
	Present Jan. 1		Commitments		Present Jan. 1		Commitments	
	1910	1923	1910	1923 [1]	1910	1923	1910	1923
Total	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0
Death	143	92	130	116	.1	.1	(2)	(2)
Imprisonment for—								
Life	6,444	7,548	783	914	5.8	6.9	.2	.3
Definite term	71,112	51,003	182,641	156,185	63.8	46.8	38.1	43.7
1 year or more	47,704	37,325	21,357	24,526	42.8	34.2	4.5	6.9
Less than 1 year	23,408	13,678	161,284	131,659	21.0	12.5	33.6	36.8
Indeterminate period	21,083	43,705	15,005	23,312	18.9	40.1	3.1	6.5
Minority	134	126	50	59	.1	.1	(2)	(2)
Nonpayment of fine	12,299	5,552	278,914	169,333	11.0	5.1	58.1	47.4
Nature and length of sentence unknown	283	1,049	2,264	7,574	.3	1.0	.5	2.1

[1] Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.
[2] Less than one-tenth of 1 per cent.

No. 79.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS RECEIVED FROM COURTS DURING THE YEAR, BY PRINCIPAL OFFENSES

NOTE.—For distribution of prisoners in all penal institutions, 1910 and 1923, by principal offenses. See Statistical Abstract 1929, Table 78

Sex and offense	Number				Ratio per 100,000 population [1]			
	1910	1923	1926 [2]	1927 [2]	1910	1923	1926 [3]	1927 [3]
Male, total	26,222	35,216	40,601	41,227	55.5	61.9	70.7	80.8
Homicide	2,535	3,220	2,391	2,173	5.4	5.7	4.5	4.3
Rape	1,077	1,497	1,567	1,568	2.3	2.6	3.0	3.1
Robbery	1,216	2,923	3,583	3,575	2.6	5.1	6.8	7.0
Assault	2,610	1,830	1,998	1,942	5.5	3.2	3.8	3.8
Burglary	6,004	6,295	7,101	7,150	12.7	11.1	13.4	14.0
Forgery	1,611	2,568	2,633	2,846	3.4	4.5	5.0	5.6
Larceny and related offenses [4]	7,709	8,436	11,367	11,741	16.3	14.8	21.5	23.0
Sex offenses, except rape	796	1,110	1,122	1,087	1.7	2.0	2.1	2.1
Violating liquor laws	306	2,533	3,220	3,338	.6	4.5	6.1	6.5
Violating drug laws	22	2,015	1,749	1,560	(5)	3.5	3.3	3.1
Carrying weapons	146	242	368	423	.3	.4	.7	.8
Nonsupport or neglect of family	115	232	401	494	.2	.4	.8	1.0
Other	2,015	2,167	2,844	3,129	4.2	3.8	5.4	6.1
Not reported	60	148	257	201	.1	.3	.5	.4
Female, total	1,510	2,369	2,727	2,835	3.4	4.3	5.5	6.0
Homicide	118	223	161	152	.3	.4	.3	.3
Robbery	20	38	34	40	(5)	.1	.1	.1
Assault	103	59	105	85	.2	.1	.2	.2
Burglary	47	42	51	50	.1	.1	.1	.1
Forgery	15	81	108	117	(5)	.1	.2	.2
Larceny and related offenses [4]	388	341	357	359	.9	.6	.7	.8
Sex offenses	340	543	630	707	.8	1.0	1.3	1.5
Violating liquor laws	19	186	269	251	(5)	.3	.5	.5
Violating drug laws	1	166	140	161	(5)	.3	.3	.3
Carrying weapons	4	2	6	11	(5)	(5)	(5)	(5)
Nonsupport or neglect of family	20	50	38	154	(5)	.1	.1	.3
Other	435	620	808	737	1.0	1.1	1.6	1.5
Not reported	-------	18	20	11	-------	(5)	(5)	(5)

[1] Based upon enumerated population Apr. 15, 1910 and estimated population July 1, 1923, 1926, and 1927.
[2] These figures represent the institutions which furnished detailed information.
[3] Based upon estimated population proportional to prisoners of each sex reported in detail.
[4] Includes larceny, embezzlement, fraud, and having stolen property.
[5] Less than one-tenth of 1 per 100,000.

Source: Bureau of the Census, Department of Commerce.

No. 80.—STATE AND FEDERAL PRISONS AND REFORMATORIES: ADMISSIONS DURING THE YEAR AND NUMBER PRESENT ON JANUARY 1, BY STATES

Division or State	Prisoners received from courts during the year: Number					Prisoners received from courts during the year: Per 100,000 population		Prisoners present on Jan. 1			
	1910	1923	1926	1927	1928	1910	1928	1910	1923	1928	1929
United States	29,710	38,628	48,106	51,936	[1]50,029	32	45	68,735	81,959	106,517	[1]110,505
Federal prisons and reformatories	987	3,703	5,010	5,021	4,500	1	4	1,904	4,664	7,722	8,392
State prisons and reformatories	28,723	34,925	43,008	46,915	45,529	32	41	66,831	77,295	98,795	102,113
New England	2,070	1,847	1,952	1,836	2,149			3,510	3,638	4,014	4,417
Maine	69	202	210	182	207	9	26	201	379	384	382
New Hampshire	43	95	33	50	52	10	11	147	138	126	124
Vermont	[2]	277	285	[3]245	[3]279		78	170	316	[3]334	[3]348
Massachusetts	1,114	693	826	752	899	33	21	1,900	1,448	1,866	2,027
Rhode Island [4]	658	294	197	196	236	121	35	421	466	364	409
Connecticut	186	346	401	411	476	17	30	605	891	940	1,127
Middle Atlantic	5,147	4,747	5,991	5,992	6,317			12,422	12,526	14,565	15,715
New York	3,188	2,666	3,290	2,917	2,787	35	23	7,073	6,316	7,531	7,923
New Jersey	814	825	1,170	1,328	1,405	32	36	1,839	1,912	2,519	2,763
Pennsylvania	1,145	1,256	1,531	1,747	2,125	15	22	3,510	4,298	4,505	5,029
East North Central	3,815	7,537	10,150	11,295	11,055			9,981	15,751	25,813	27,665
Ohio	1,115	2,264	3,189	3,640	3,509	23	54	2,561	4,234	7,531	8,358
Indiana	770	1,358	1,385	1,541	1,481	29	47	2,362	2,362	3,964	3,885
Illinois	844	1,387	1,728	1,821	1,974	15	27	2,509	4,416	6,379	7,114
Michigan	559	1,996	3,040	3,510	3,233	20	70	1,596	3,041	6,338	6,691
Wisconsin	527	532	817	783	858	23	30	953	1,158	1,601	1,617
West North Central	2,567	4,024	5,351	5,619	5,785			6,526	8,566	12,371	12,779
Minnesota	444	659	822	826	890	21	35	1,092	1,634	2,167	2,141
Iowa	333	758	665	760	784	15	32	963	1,794	2,157	2,276
Missouri	839	912	1,609	1,758	1,794	26	50	2,307	2,205	3,624	3,828
North Dakota	102	136	210	206	222	18	33	212	244	302	298
South Dakota	152	185	297	236	226	26	33	207	326	420	416
Nebraska	197	378	495	503	553	17	43	481	789	993	1,079
Kansas	500	1,001	1,253	1,330	1,286	30	69	1,264	1,574	2,708	2,741
South Atlantic [5]	4,388	4,816	6,398	7,485				10,384	11,751	13,693	
Maryland [6]	1,700	1,390	1,882	2,239	[2]	131		1,675	1,483	2,095	[2]
Virginia	662	908	844	904	1,171	32	49	2,145	1,960	2,135	2,453
West Virginia	425	772	854	853	988	35	59	1,071	1,628	1,561	1,942
North Carolina	192	368	580	777	790	9	26	710	1,046	1,723	2,027
South Carolina	237	351	302	225	[2]	16		848	528	437	[2]
Georgia	744	876	942	1,197	1,198	29	41	2,638	3,738	3,184	3,424
Florida	428	451	994	1,299	1,101	57	80	1,297	1,368	2,558	2,748
East South Central	3,916	2,961						8,912	8,498		
Kentucky	855	827	1,365	1,290	1,853	37	72	2,028	2,079	2,188	2,805
Tennessee	852	599	811	972	1,083	30	42	1,813	1,630	2,182	2,451
Alabama	1,785	1,057	[2]	[2]	[2]	84		3,381	3,169	[2]	[3]
Mississippi	624	478	649	709	[2]	35		1,690	1,620	1,717	[2]
West South Central	3,269	4,730	5,411	6,391	6,274			7,428	8,379	10,131	11,086
Arkansas	570	957	987	1,233	1,111	36	60	794	1,410	1,246	1,125
Louisiana	750	559	765	755	853	45	42	1,999	1,593	1,743	1,963
Oklahoma	818	1,711	1,680	2,078	1,967	49	84	1,110	1,790	3,278	3,406
Texas	1,131	1,503	1,979	2,325	2,343	29	42	3,523	3,577	3,864	4,532
Mountain	1,812	1,981	2,012	2,139				3,206	2,993	3,690	
Montana	297	243	277	273	278	79	52	691	331	471	503
Idaho	95	119	125	149	[2]	29		220	284	396	[2]
Wyoming	123	125	76	117	133	84	61	257	336	301	318
Colorado	596	562	806	804	843	75	83	851	1,015	1,258	1,209
New Mexico	193	164	193	230	212	59	51	313	239	381	411
Arizona	279	207	257	309	319	137	76	405	355	485	541
Utah	149	186	155	145	164	40	33	270	200	208	212
Nevada	80	75	123	112	166	98	187	199	174	190	261
Pacific	1,739	2,582	3,008	3,207	3,650			4,464	5,253	8,441	9,146
Washington	519	750	827	789	896	45	59	1,249	1,010	1,484	1,620
Oregon	221	262	332	368	405	33	44	399	406	629	697
California	1,008	1,570	1,849	2,050	2,349	42	44	2,816	3,837	6,328	6,829

[1] Excluding 5 institutions not reported.
[2] No report received.
[3] Date for the State prison and house of correction for men only.
[4] Date for 1910 and 1923 include the State workhouse and house of correction; data beginning 1926 include the State reformatory for women, established since 1923.
[5] No State prison or reformatory in Delaware or the District of Columbia.
[6] Includes data for the Maryland house of correction and the State penitentiary.

Source: Bureau of the Census, Department of Commerce.

3. VITAL STATISTICS

GENERAL NOTE.—Vital statistics are registered by the States in the first instance, but duplicates of the original certificates of individual births and deaths are received and tabulated by the Census Bureau. Some States have as yet no system of registration. Owing to the gradual expansion of the "registration" areas (shown in Tables 81, 88 and 97), figures for the areas as a whole are not strictly comparable but, in most cases, the rates are affected very slightly.

Rates are affected by the sex and age distribution of the population. Certain tables show "adjusted" death rates in 1920, taking these factors into consideration, but most of the tables show crude rates which are obtained by dividing the number of deaths by the total population. The difference for the registration area as a whole is small, but for some States it is considerable. Adjusted rates subsequent to 1920 may be computed by applying to the crude rates, based on estimated population, the ratio of the adjusted rate to the crude rate in 1920, based on enumerated population. This method, as we get farther and farther away from the census of 1920, may become less and less reliable owing to changes in the age and sex distribution of the population. Still births, shown in Table 92, are excluded from data for both births and deaths.

General tables cover the registration area in continental United States. Hawaii and the Virgin Islands are shown separately in certain tables.

Pending the 1930 Census, the Bureau of the Census will publish no rates for 1928 except for the entire registration area; for States and smaller areas, estimates of population are unsatisfactory when made so long after an enumeration of the population. When the 1930 census data become available, however, rates will be shown for 1928 and 1929 and will be computed on revised estimates of population, based on the censuses of 1920 and 1930.

No. 81.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1928

NOTE.—See general note above

Year	Registration area			All deaths		Deaths under 1 year of age		Deaths under 5 years of age	
	Population	Percent of U. S. total population	Percent of U. S. total area	Number	Rate per 1,000 population	Number	Percent of all deaths	Number	Percent of all deaths
1880[1]	8, 538, 366	17. 0	0. 6	169, 453	19. 8	48, 041	28. 3	74, 810	44. 0
1890[1]	19, 659, 440	31. 2	3. 0	386, 212	19. 6	86, 790	22. 5	133, 778	34. 6
1900	30, 755, 618	40. 5	7. 1	539, 939	17. 6	111, 687	20. 7	164, 137	30. 4
1901	31, 370, 952	40. 3	7. 2	518, 207	16. 5	97, 477	18. 8	141, 678	27. 3
1902	32, 029, 815	40. 4	7. 2	508, 640	15. 9	98, 575	19. 4	143, 515	28. 2
1903	32, 701, 083	40. 4	7. 2	524, 415	16. 0	96, 857	18. 5	139, 940	26. 7
1904	33, 345, 163	40. 4	7. 2	551, 354	16. 5	102, 880	18. 7	145, 902	26. 5
1905	34, 052, 201	40. 4	7. 2	545, 533	16. 0	105, 553	19. 3	147, 384	27. 0
1906	41, 983, 419	48. 9	20. 3	658, 105	15. 7	133, 105	20. 2	186, 978	28. 4
1907	43, 016, 990	49. 2	20. 3	687, 034	16. 0	131, 110	19. 1	183, 774	26. 7
1908	46, 789, 913	52. 5	24. 4	691, 574	14. 8	136, 432	19. 7	189, 865	27. 5
1909	50, 870, 518	56. 1	25. 7	732, 538	14. 4	140, 057	19. 1	196, 534	26. 8
1910	53, 831, 742	58. 3	33. 6	805, 412	15. 0	154, 373	19. 2	217, 319	27. 0
1911	59, 183, 071	63. 2	37. 2	839, 284	14. 2	149, 322	17. 8	209, 482	25. 0
1912	60, 359, 974	63. 5	37. 2	838, 251	13. 9	147, 456	17. 6	204, 639	24. 4
1913	63, 200, 625	65. 5	38. 6	890, 848	14. 1	159, 435	17. 9	225, 129	25. 3
1914	65, 813, 315	67. 2	41. 3	898, 059	13. 6	155, 075	17. 3	214, 120	23. 8
1915	67, 095, 681	67. 5	41. 3	909, 155	13. 6	148, 561	16. 3	203, 223	22. 4
1916	71, 349, 162	70. 8	44. 0	1, 001, 921	14. 0	164, 660	16. 4	234, 081	23. 4
1917	74, 984, 498	73. 4	45. 4	1, 068, 932	14. 3	171, 024	16. 0	243, 708	22. 8
1918	81, 333, 675	78. 5	52. 0	1, 471, 367	18. 1	193, 855	13. 2	306, 143	20. 8
1919	85, 166, 043	81. 1	55. 5	1, 096, 436	12. 9	161, 621	14. 7	229, 813	21. 0
1920	87, 486, 713	82. 2	58. 0	1, 142, 558	13. 1	174, 710	15. 3	248, 432	21. 7
1921	88, 667, 602	82. 2	58. 0	1, 032, 009	11. 6	160, 011	15. 5	220, 688	21. 4
1922	93, 241, 643	85. 3	66. 1	1, 101, 863	11. 8	158, 560	14. 4	218, 201	19. 8
1923	96, 986, 371	87. 6	68. 0	1, 193, 017	12. 3	166, 274	13. 9	233, 918	19. 6
1924	99, 200, 298	88. 5	70. 3	1, 173, 990	11. 8	161, 404	13. 7	220, 122	18. 7
1925	103, 108, 000	89. 4	70. 9	1, 219, 019	11. 8	161, 961	13. 3	218, 294	17. 9
1926	105, 167, 000	89. 8	74. 7	1, 285, 927	12. 2	163, 343	12. 7	226, 824	17. 6
1927	108, 327, 000	91. 3	76. 5	1, 236, 949	11. 4	147, 134	11. 9	199, 507	16. 1
1928	114, 495, 000	95. 4	80. 8	1, 378, 675	12. 0	155, 868	11. 3	216, 090	15. 7

[1] Census year ended May 31.

Source: Bureau of the Census, Department of Commerce.

No. 82.—DEATHS: RATE PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared. The rates for the registration States of 1900 are based on the population as enumerated January 1, 1920, and the estimated midyear population of 1903, 1913, 1926, and 1927; the rates for the registration States of 1920 are based on the midyear estimates. See also general note p. 77

Sex and age group	Death rates from all causes per 1,000 population										
	Registration States as of 1900					Registration States as of 1920					
	Annual average		1920	1926	1927	1920	1923	1924	1925	1926	1927
	1901–1905	1911–1915									
BOTH SEXES											
All ages:											
Adjusted rate	15.5	14.1	13.2	12.0	11.0	12.7	11.9	11.3	11.5	11.8	11.1
Crude rate	15.8	14.6	13.9	12.9	11.9	13.0	12.4	11.9	11.9	12.3	11.5
Under 1 year	138.2	123.0	106.1	75.2	64.1	96.6	86.3	82.3	75.3	74.3	64.7
1 to 4 years	15.8	11.3	10.7	7.1	5.0	9.8	8.1	6.8	6.3	6.9	5.5
Under 5 years	41.7	34.6	29.1	20.2	16.4	26.5	22.9	21.0	19.7	20.0	17.0
5 to 9 years	4.1	3.1	3.2	2.3	2.3	3.0	2.4	2.2	2.1	2.1	2.1
10 to 14 years	2.7	2.1	2.3	1.7	1.7	2.3	1.9	1.8	1.8	1.7	1.7
15 to 19 years	4.4	3.5	3.8	2.9	2.8	4.1	3.5	3.5	3.3	3.2	3.0
20 to 24 years	6.1	4.9	5.2	3.7	3.5	5.7	4.6	4.6	4.3	4.3	4.0
25 to 34 years	7.5	6.1	6.4	4.3	4.1	6.8	5.1	4.9	4.8	4.8	4.6
35 to 44 years	9.9	9.0	8.9	7.3	7.0	8.2	7.4	7.2	7.3	7.5	7.2
45 to 54 years	14.4	14.3	12.6	13.2	12.4	12.1	12.1	12.0	12.4	13.0	12.5
55 to 64 years	27.1	27.5	25.5	28.2	26.8	23.6	24.4	23.7	25.2	26.8	25.4
65 to 74 years	55.1	58.0	56.7	64.1	61.1	52.3	56.4	55.0	57.6	60.9	58.9
75 years and over	137.8	140.1	141.3	151.3	138.4	133.6	140.9	133.3	141.1	149.7	139.9
MALES											
All ages:											
Adjusted rate	16.5	15.3	13.8	12.9	11.9	13.2	12.6	12.2	12.2	12.6	11.9
Crude rate	16.6	15.5	14.2	13.5	12.5	13.4	13.0	12.7	12.6	13.0	12.3
Under 1 year	152.7	136.7	119.8	84.4	72.9	108.5	96.5	93.0	84.8	83.4	72.8
1 to 4 years	16.5	12.4	11.1	7.6	5.4	10.2	8.6	7.3	6.6	7.3	5.8
Under 5 years	45.3	37.8	32.0	22.4	18.4	29.1	25.2	23.4	21.8	22.1	18.8
5 to 9 years	4.2	3.3	3.4	2.5	2.5	3.1	2.6	2.4	2.3	2.3	2.3
10 to 14 years	2.8	2.2	2.4	1.9	1.9	2.4	2.1	2.0	2.0	1.9	1.8
15 to 19 years	4.4	3.7	3.9	3.1	3.0	4.2	3.6	3.6	3.4	3.3	3.1
20 to 24 years	6.2	5.3	5.0	3.9	3.6	5.4	4.7	4.7	4.3	4.3	4.0
25 to 34 years	7.8	6.5	6.2	4.4	4.2	6.5	5.2	5.0	4.9	4.8	4.6
35 to 44 years	10.0	10.1	8.8	8.0	7.7	8.3	7.8	7.7	7.8	8.0	7.7
45 to 54 years	15.6	15.9	13.1	14.5	13.6	12.5	12.8	12.7	13.2	13.9	13.4
55 to 64 years	29.1	30.1	26.7	30.5	29.1	24.6	25.9	25.4	27.0	28.2	27.6
65 to 74 years	58.2	61.7	58.6	68.4	65.4	54.2	59.1	58.7	61.6	64.9	63.2
75 years and over	142.9	144.6	145.0	155.8	144.3	136.1	144.2	138.8	145.7	154.5	145.8
FEMALES											
All ages:											
Adjusted rate	14.6	13.0	12.6	11.1	10.2	12.2	11.2	10.6	10.8	11.1	10.3
Crude rate	14.9	13.6	13.5	12.2	11.2	12.6	11.8	11.1	11.2	11.6	10.8
Under 1 year	123.3	109.0	92.2	65.8	55.2	84.4	75.9	71.4	65.6	64.9	56.3
1 to 4 years	15.2	11.3	10.2	6.6	4.7	9.3	7.7	6.4	5.9	6.5	5.1
Under 5 years	38.0	31.2	26.0	18.0	14.4	23.9	20.6	18.6	17.5	17.8	15.1
5 to 9 years	4.0	2.9	3.0	2.1	2.0	2.8	2.2	2.0	1.9	1.9	1.9
10 to 14 years	2.7	2.0	2.1	1.6	1.5	2.1	1.7	1.6	1.6	1.5	1.5
15 to 19 years	4.4	3.2	3.7	2.8	2.6	4.0	3.5	3.4	3.2	3.2	3.0
20 to 24 years	5.9	4.5	5.3	3.6	3.4	5.9	4.5	4.5	4.3	4.2	4.0
25 to 34 years	7.3	5.6	6.7	4.3	4.1	7.2	5.1	4.8	4.8	4.8	4.6
35 to 44 years	9.0	7.9	7.6	6.5	6.1	8.0	6.9	6.6	6.9	7.0	6.7
45 to 54 years	13.1	12.6	12.1	11.7	11.2	11.6	11.3	11.1	11.4	11.9	11.5
55 to 64 years	25.1	24.9	24.2	25.8	24.3	22.5	22.7	21.8	23.2	24.3	23.0
65 to 74 years	52.1	54.5	55.0	60.1	56.9	50.2	53.6	51.0	53.5	56.7	54.4
75 years and over	133.3	136.4	138.4	147.6	133.6	131.4	137.9	128.5	137.2	145.4	134.6

Source: Bureau of the Census, Department of Commerce.

No. 83.—DEATHS: Crude Rates per 1,000 Estimated Population in the Death Registration Area, by Color

Note.—See general note, p. 77. For rate for the registration area as a whole see Table 81

Year	Registration area			All registration cities			Rural part of registration area		
	Total	White	Colored	Total	White	Colored	Total	White	Colored
1913	14.1	13.7	21.7	15.3	14.7	24.1	12.7	12.4	18.2
1914	13.6	13.2	21.7	14.8	14.3	23.9	12.3	12.0	18.6
1915	13.6	13.1	22.0	14.6	14.0	23.8	12.3	12.0	19.2
1916	14.0	13.6	19.8	15.2	14.7	23.0	12.9	12.5	17.4
1917	14.3	13.7	21.4	15.5	14.8	25.6	13.0	12.5	18.2
1918	18.1	17.4	26.0	20.0	19.3	30.4	16.3	15.6	23.1
1919	12.9	12.4	18.0	13.9	13.4	21.9	11.9	11.4	16.0
1920	13.1	12.6	18.0	14.2	13.6	22.7	11.9	11.5	15.3
1921	11.6	11.2	16.0	12.4	11.9	19.8	10.9	10.6	13.8
1922	11.8	11.4	15.7	12.7	12.2	20.5	11.0	10.7	13.2
1923	12.3	11.8	17.1	13.2	12.5	22.5	11.5	11.1	14.2
1924	11.8	11.2	17.8	12.8	12.1	23.3	10.9	10.4	14.8
1925	11.8	11.2	18.2	13.0	12.2	23.4	10.7	10.2	15.2
1926	12.2	11.6	18.8	13.4	12.7	23.9	11.1	10.6	15.6
1927	11.4	10.8	17.3	12.5	11.8	22.3	10.4	9.9	14.5

No. 84.—DEATHS: Number in the Death Registration States

Note.—See general note, p. 77

Registration States	1926	1927	1928	Registration States	1926	1927	1928
Total[1]	1,257,256	1,211,627	1,361,937	Minnesota	25,803	24,688	25,977
Alabama	29,692	27,062	31,842	Mississippi	23,766	23,203	25,886
White	*15,416*	*14,273*	*16,624*	*White*	*9,191*	*8,847*	*10,253*
Colored	*14,276*	*12,789*	*15,223*	*Colored*	*14,575*	*14,356*	*15,633*
Arizona	5,572	5,881	6,444	Missouri	42,752	40,753	45,288
				Montana	5,395	5,342	5,780
Arkansas	(2)	18,311	19,998	Nebraska	12,648	12,369	13,660
White	(2)	*11,926*	*13,139*	New Hampshire	6,703	6,329	6,442
Colored	(2)	*6,385*	*6,859*	New Jersey	44,876	42,128	44,962
California	58,914	61,540	66,106				
Colorado	12,273	13,082	14,077	New York	151,345	140,899	151,640
				North Carolina	34,562	32,917	36,160
Connecticut	18,318	16,757	17,938	*White*	*20,957*	*19,844*	*22,413*
Delaware	3,447	3,007	3,196	*Colored*	*13,605*	*13,073*	*13,747*
Dist. of Columbia	7,388	6,986	7,239	North Dakota	5,313	5,211	5,513
White	*4,683*	*4,306*	*4,472*	Ohio	78,695	73,515	80,198
Colored	*2,805*	*2,680*	*2,767*				
				Oklahoma	(2)	(2)	20,953
Florida	20,044	18,151	18,943	*White*	(2)	(2)	*18,053*
White	*12,173*	*10,887*	*11,382*	*Colored*	(2)	(2)	*2,900*
Colored	*7,871*	*7,264*	*7,561*	Oregon	9,857	10,206	10,489
Georgia	(2)	(2)	36,011	Pennsylvania	120,537	111,252	119,607
White	(2)	(2)	*18,610*	Rhode Island	8,791	7,897	8,394
Colored	(2)	(2)	*17,401*				
				South Carolina	23,403	21,740	24,427
Idaho	3,871	3,787	4,177	*White*	*9,219*	*8,961*	*10,411*
Illinois	85,331	82,849	90,195	*Colored*	*14,184*	*12,779*	*14,016*
Indiana	40,016	37,677	40,490	Tennessee	31,395	29,029	31,404
Iowa	25,466	24,532	25,315	*White*	*22,163*	*20,549*	*22,344*
Kansas	19,100	18,582	20,946	*Colored*	*9,232*	*8,480*	*9,060*
Kentucky	29,952	27,209	30,390	Utah	5,136	4,737	5,109
White	*25,145*	*22,786*	*25,553*	Vermont	5,215	4,882	4,888
Colored	*4,807*	*4,423*	*4,737*	Virginia	30,818	28,772	30,211
Louisiana	24,230	23,875	24,987	*White*	*18,366*	*17,503*	*18,458*
White	*12,272*	*11,878*	*12,843*	*Colored*	*11,952*	*11,269*	*11,763*
Colored	*11,958*	*11,997*	*13,144*				
				Washington	15,670	15,950	16,723
Maine	11,355	10,958	11,005	West Virginia	18,143	16,989	17,507
Maryland	22,649	21,102	21,714	Wisconsin	30,191	29,567	31,788
White	*17,170*	*15,827*	*16,417*	Wyoming	1,902	1,976	2,155
Colored	*5,479*	*5,276*	*5,297*				
Massachusetts	52,638	49,285	51,034	Hawaii[3]	3,885	4,046	4,126
Michigan	54,084	50,643	54,794	Virgin Islands[3]	499	594	653

[1] Including District of Columbia.
[2] Not added to the registration area until a later date.
[3] Not included in totals.

Source of Tables 83 and 84: Bureau of the Census, Department of Commerce.

No. 85.—DEATHS: Rate per 1,000 Population, by States

Note.—See general note, p. 77

Registration States	Death rate per 1,000 estimated population										Ratio of adjusted to crude rate, 1920
	Crude rate									Adjusted rate, 1920	
	1919	1920	1921	1922	1923	1924	1925	1926	1927		
Total [1]	13.8	13.0	11.8	11.8	12.3	11.8	11.8	12.2	11.4	12.7	
Alabama	(2)	(2)	(2)	(2)	(2)	(2)	11.7	11.8	10.6	(2)	(2)
White	(2)	(2)	(2)	(2)	(2)	(2)	*9.4*	*9.4*	*8.6*	(2)	(2)
Colored	(2)	(2)	(2)	(2)	(2)	(2)	*15.6*	*16.0*	*14.3*	(2)	(2)
Arizona	(2)	(2)	(2)	(2)	(2)	(2)	(2)	12.5	12.8	(2)	(2)
Arkansas	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	9.5	(2)	(2)
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*8.4*	(2)	(2)
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*13.8*	(2)	(2)
California	13.7	13.6	13.2	14.1	14.3	14.5	13.6	13.7	13.9	12.4	0.9117
Colorado	12.9	14.5	12.4	13.5	12.4	12.5	12.1	11.6	12.2	14.4	.9971
Connecticut	13.3	13.6	11.4	12.0	12.0	11.3	11.2	11.4	10.2	12.9	.9507
Delaware	15.5	14.6	13.1	13.2	14.0	13.0	13.1	14.4	12.4	13.7	.9420
Florida	12.4	13.0	11.8	12.2	13.5	12.9	13.3	15.2	13.3	13.4	1.0308
White	*11.3*	*11.7*	*10.5*	*10.9*	*11.3*	*11.2*	*11.3*	*13.5*	*11.7*	*11.4*	.9715
Colored	*14.3*	*16.5*	*14.2*	*15.0*	*17.0*	*16.4*	*16.6*	*18.8*	*16.9*	*17.6*	1.137
Georgia	(3)	(2)	(3)	10.4	11.3	11.5	(3)	(3)	(3)	(2)	(2)
White	(3)	(2)	(3)	*9.2*	*9.9*	*9.8*	(3)	(3)	(3)	(3)	(2)
Colored	(3)	(2)	(3)	*12.2*	*13.2*	*13.9*	(3)	(3)	(3)	(3)	(2)
Idaho	(2)	(2)	(2)	8.1	7.1	7.9	6.7	7.4	7.1	(3)	(3)
Illinois	12.0	12.6	11.1	11.3	12.0	11.2	11.5	11.8	11.4	12.6	.9892
Indiana	12.7	13.4	11.9	11.9	12.9	12.2	12.5	12.8	12.0	12.1	.9024
Iowa	(3)	(2)	(3)	(2)	10.3	9.8	10.0	10.5	10.1	(3)	(3)
Kansas	10.8	11.4	10.2	10.6	11.0	9.9	10.2	10.5	10.2	10.4	.9142
Kentucky	12.8	11.8	10.5	10.8	11.9	10.8	11.3	11.9	10.7	11.7	.9046
White	*11.3*	*11.0*	*9.8*	*10.0*	*11.1*	*9.9*	*10.4*	*10.9*	*9.8*	*10.9*	.9859
Colored	*21.3*	*19.4*	*17.9*	*18.4*	*19.5*	*20.1*	*20.8*	*22.5*	*21.0*	*19.5*	1.0087
Louisiana	12.9	11.9	12.0	11.3	12.1	13.1	13.2	12.6	12.3	13.3	1.1152
White	*10.6*	*9.8*	*9.8*	*9.4*	*10.0*	*10.5*	*10.2*	*10.0*	*9.5*	*10.9*	1.1167
Colored	*18.4*	*16.3*	*15.9*	*14.4*	*15.5*	*17.6*	*18.4*	*17.3*	*17.4*	*17.1*	1.1167
Maine	14.6	15.4	14.0	14.7	15.0	13.8	13.7	14.4	13.8	12.4	.8048
Maryland	*15.3*	*14.7*	*13.8*	*13.6*	*14.7*	*13.8*	*13.9*	*14.3*	*13.2*	*14.4*	.9811
White	*13.8*	*13.3*	*12.3*	*12.4*	*13.3*	*12.6*	*12.4*	*13.0*	*11.8*	*13.8*	.9575
Colored	*22.3*	*21.2*	*19.6*	*19.4*	*21.4*	*20.2*	*21.5*	*21.5*	*20.6*	*22.7*	1.0628
Massachusetts	13.6	13.8	12.2	12.8	13.0	12.0	12.5	12.5	11.6	12.9	.9361
Michigan	12.6	13.0	11.5	11.3	12.4	11.6	11.5	12.3	11.3	13.2	.9523
Minnesota	10.5	10.7	9.4	9.5	10.1	9.7	9.7	9.7	9.2	10.5	.9796
Mississippi	12.7	12.3	11.1	10.8	11.4	11.8	12.4	13.3	13.0	13.4	1.0868
White	*9.6*	*9.2*	*8.6*	*8.7*	*9.1*	*9.2*	*9.6*	*10.8*	*10.4*	*9.7*	1.0555
Colored	*15.4*	*15.1*	*13.5*	*13.8*	*13.5*	*14.2*	*14.9*	*15.6*	*15.5*	*16.8*	1.1153
Missouri	11.8	12.5	10.8	11.2	12.2	11.7	11.9	12.2	11.6	11.9	.9539
Montana	10.7	9.5	8.2	8.6	8.0	7.9	7.7	7.8	7.5	10.2	1.0706
Nebraska	(2)	10.0	9.2	9.4	9.5	9.2	9.1	9.1	8.9	9.7	.9726
New Hampshire	14.7	15.2	13.7	14.6	15.1	14.2	14.5	14.8	13.9	13.2	.7982
New Jersey	13.1	13.0	11.7	12.2	12.3	11.9	11.7	12.2	11.2	13.1	1.0102
New York	13.9	13.8	12.3	13.0	13.0	12.7	12.8	13.4	12.3	13.6	.9503
North Carolina	12.2	12.7	11.3	11.6	12.0	12.2	11.6	12.1	11.4	13.4	1.0579
White	*10.8*	*11.2*	*9.9*	*10.3*	*10.5*	*10.4*	*9.9*	*10.4*	*9.7*	*11.0*	1.0970
Colored	*16.9*	*16.0*	*14.4*	*14.8*	*16.6*	*16.4*	*16.5*	*16.3*	*16.5*	*17.7*	1.1059
North Dakota	(2)	(2)	(2)	(2)	(2)	7.6	7.9	8.3	8.1	(3)	(3)
Ohio	12.7	12.8	11.3	11.3	12.3	11.2	11.4	11.9	11.0	11.9	.9304
Oregon	11.4	11.7	10.4	11.5	10.9	11.4	11.2	11.2	11.5	10.9	.9327
Pennsylvania	13.4	13.8	12.4	12.3	13.3	12.3	12.2	12.5	11.4	13.6	.9856
Rhode Island	14.2	14.3	12.5	13.1	13.8	12.5	12.1	12.7	11.2	13.8	.9656
South Carolina	13.8	14.0	11.9	12.0	11.8	13.0	12.2	12.8	11.8	15.6	1.1107
White	*10.6*	*11.4*	*9.8*	*9.7*	*9.6*	*10.4*	*9.8*	*9.8*	*9.4*	*12.3*	1.0744
Colored	*16.7*	*16.5*	*14.0*	*14.2*	*14.1*	*15.6*	*14.9*	*16.9*	*14.3*	*18.9*	1.1315
Tennessee	12.2	12.1	10.7	10.8	11.9	11.6	11.4	12.7	11.7	12.5	1.0306
White	*10.8*	*10.7*	*9.4*	*9.5*	*10.4*	*9.9*	*9.7*	*10.9*	*10.0*	*10.9*	1.0181
Colored	*18.4*	*18.1*	*16.0*	*16.4*	*18.7*	*19.4*	*19.0*	*21.3*	*19.6*	*19.2*	1.0596
Utah	11.0	11.5	10.4	10.4	9.5	10.4	8.9	10.0	9.1	12.0	1.0470
Vermont	14.4	15.7	14.2	14.7	15.2	13.8	14.6	14.8	13.9	12.3	.7834
Virginia	13.7	13.1	12.2	12.1	12.8	12.0	11.8	12.2	11.3	13.9	1.0330
White	*11.5*	*11.9*	*10.4*	*10.3*	*11.0*	*10.3*	*9.9*	*10.4*	*9.5*	*11.4*	1.0003
Colored	*18.3*	*17.6*	*16.3*	*16.4*	*17.2*	*18.4*	*16.6*	*16.9*	*16.9*	*18.9*	1.0785
Washington	10.7	11.1	9.5	10.1	9.7	10.0	10.1	10.2	10.2	11.0	.9925
West Virginia	(2)	(2)	(2)	(2)	(2)	(2)	10.5	10.9	10.0	(2)	(3)
Wisconsin	10.7	11.2	10.3	10.1	10.7	10.2	10.3	10.5	10.1	10.6	.9549
Wyoming	(2)	(2)	(2)	9.3	10.3	9.5	8.3	8.1	8.2	(2)	(3)
Hawaii [4]	15.3	17.7	14.8	16.0	16.6	14.1	14.1	13.0	13.2	(3)	(3)

[1] Includes District of Columbia (see rates under Washington, Table 86); does not include Hawaii.
[2] Not added to registration area until a later date.
[3] State registration law declared unconstitutional.
[4] Not included in the total.
[5] Not computed.

Source: Bureau of the Census, Department of Commerce.

No. 86.—DEATHS: Rate Per 1,000 Estimated Population, by Registration Cities Having 100,000 or More Inhabitants in 1920

Note.—For discussion of crude and adjusted rates see general note, p. 77

City	Crude rate			Adjusted rate, 1920	Ratio of adjusted to crude rate, 1920
	1920	1926	1927		
Akron	11.3	(1)	(1)	13.8	1.2169
Albany	15.7	16.8	15.9	14.3	.9118
Atlanta	17.2	16.0	15.4	19.3	1.1265
White	*14.5*	*11.1*	(1)	*16.4*	*1.1316*
Colored	25.0	*27.6*	(1)	*25.7*	*1.1196*
Baltimore	15.4	15.1	14.1	15.6	1.0156
White	*13.9*	*13.4*	(1)	*13.9*	*.9947*
Colored	*25.5*	*25.1*	(1)	*26.6*	*1.1304*
Birmingham	16.5	17.7	15.8	19.2	1.1663
White	*12.4*	*13.5*	(1)	*14.7*	*1.1887*
Colored	*22.8*	*24.0*	(1)	*26.4*	*1.1601*
Boston	15.4	14.9	14.0	15.5	1.0052
Bridgeport	12.8	(1)	(1)	13.9	1.0784
Buffalo	14.6	14.3	13.1	15.3	1.0440
Cambridge	14.9	12.1	11.2	14.5	.9736
Camden	14.7	13.5	12.4	15.4	1.0443
Chicago	12.8	11.7	11.5	13.9	1.0897
Cincinnati	15.1	17.3	16.7	14.4	.9530
Cleveland	12.4	11.1	9.7	13.8	1.1108
Columbus	14.8	13.9	13.4	14.6	.9898
Dallas	13.4	13.5	11.5	15.4	1.1466
White	*12.1*	*11.9*	(1)	*14.0*	*1.1527*
Colored	*20.8*	*23.4*	(1)	*23.7*	*1.1415*
Dayton	12.2	12.2	12.3	12.2	1.0036
Denver	17.3	13.9	14.4	17.0	.9800
Des Moines	(2)	11.8	10.9	(2)	(2)
Detroit	13.4	12.6	10.8	15.2	1.1335
Fall River	14.7	13.0	10.9	15.1	1.0303
Fort Worth	(2)	9.7	9.3	(2)	(2)
White	(2)	*9.0*	(1)	(2)	(2)
Colored	(2)	*15.1*	(1)	(2)	(2)
Grand Rapids	13.2	11.3	9.8	12.6	.9546
Hartford	16.4	13.0	12.3	16.9	1.0325
Houston	13.9	(1)	(1)	15.7	1.1337
White	*12.5*	(1)	(1)	*13.9*	*1.1275*
Colored	*18.6*	(1)	(1)	*21.6*	*1.1573*
Indianapolis	14.0	14.0	13.1	14.8	1.0154
White	*13.8*	*13.4*	(1)	*13.7*	*.9971*
Colored	*20.9*	*18.7*	(1)	*23.9*	*1.1417*
Jersey City	14.1	11.9	11.0	15.4	1.0912
Kansas City, Kans	14.5	13.6	13.2	15.1	1.0459
White	*13.5*	*12.6*	(1)	(1)	(1)
Colored	*20.6*	*18.5*	(1)	(1)	(1)
Kansas City, Mo.	16.1	13.7	13.1	16.8	1.0476
Los Angeles	14.1	(1)	(1)	13.1	.9336
Louisville	15.2	15.2	12.8	15.2	.9961
White	*13.8*	*13.5*	(1)	*13.5*	*.9798*
Colored	*22.2*	*24.6*	(1)	*23.6*	*1.0636*
Lowell	15.7	14.0	12.6	15.8	1.0084
Memphis	19.9	20.0	19.3	21.0	1.0849
White	*15.6*	*15.3*	(1)	*16.7*	*1.0676*
Colored	*27.0*	*28.4*	(1)	*30.6*	*1.1302*
Milwaukee	11.7	11.1	10.7	12.4	1.0583
Minneapolis	12.3	11.5	10.5	12.4	1.0111
Nashville	18.1	19.7	17.4	18.8	1.0373
White	*15.5*	*16.0*	(1)	*16.2*	*1.0414*
Colored	*24.0*	*29.0*	(1)	*24.8*	*1.0304*
New Bedford	14.2	12.5	11.0	14.9	1.0449
New Haven	14.5	12.2	11.2	14.5	1.0018
New Orleans	17.6	18.9	18.7	18.7	1.0622
White	*14.5*	*16.0*	(1)	*15.2*	*1.0431*
Colored	*26.4*	*30.0*	(1)	*29.4*	*1.1167*
New York	13.0	12.8	11.8	14.4	1.1082
Bronx Borough	10.6	10.3	9.8	12.4	1.1750
Brooklyn	12.6	12.0	10.9	13.8	1.0960
Manhattan	14.3	16.0	14.7	15.9	1.1137
Queens Borough	11.5	10.3	9.9	12.7	1.1019
Richmond	15.1	14.0	12.2	15.2	1.0057
Newark, N. J.	12.9	11.9	10.9	14.0	1.0912
Norfolk	15.2	10.7	9.8	17.3	1.1392
White	*11.3*	*7.6*	(1)	*18.4*	*1.1322*
Colored	*20.7*	*16.2*	(1)	*23.6*	*1.1409*
Oakland	11.8	10.8	11.0	11.5	.9800
Omaha	14.3	13.0	12.2	15.2	1.0622
Paterson	12.8	12.8	12.2	13.5	1.0518
Philadelphia	14.4	13.8	12.2	14.6	1.0153
Pittsburgh	16.4	14.1	13.7	17.5	1.0658
Portland, Oreg.	12.1	(1)	(1)	11.8	.9737
Providence	15.5	12.9	11.3	15.2	.9837
Reading	14.5	12.7	10.6	14.0	.9664
Richmond	16.5	16.0	14.2	17.7	1.0731
White	*13.3*	*12.8*	(1)	*13.8*	*1.0372*
Colored	*23.3*	*23.9*	(1)	*26.2*	*1.1271*
Rochester	12.0	12.8	11.7	12.4	.9862
St. Louis	14.1	13.9	12.9	14.6	1.0398
St. Paul	12.5	12.3	11.8	12.8	1.0193
Salt Lake City	14.3	12.8	12.3	14.6	1.0236
San Antonio	16.2	14.7	14.4	17.8	1.1015
San Francisco	14.2	13.5	13.6	14.1	.9920
Scranton	14.9	13.2	13.2	16.2	1.0875
Seattle	10.7	(1)	9.5	11.1	1.0419
Spokane	14.2	13.9	13.6	14.1	.9965
Springfield, Mass.	13.0	12.6	11.4	13.1	1.0064
Syracuse	15.2	13.6	12.3	14.9	.9783
Toledo	13.8	12.6	11.9	14.1	1.0210
Trenton	15.7	14.1	13.2	16.4	1.0450
Washington, D.C.	14.6	14.0	12.9	15.0	1.0301
White	*12.6*	*11.3*	10.4	*12.4*	*.9840*
Colored	*20.6*	*22.6*	21.2	*23.1*	*1.1215*
Wilmington, Del.	14.1	13.0	11.6	14.3	1.0181
Worcester	14.7	14.0	12.9	14.4	.9789
Yonkers	11.4	10.4	9.4	12.5	1.1000
Youngstown	12.9	10.7	10.0	14.4	1.1168

[1] Estimate of population unsatisfactory.
[2] Not added to registration area until a later date.

Source: Bureau of the Census, Department of Commerce.

No. 87.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, IN THE DEATH REGISTRATION AREA, BY IMPORTANT CAUSES

NOTE.—See general note, p. 77

Detailed Int. List No.	Causes of death	Number of deaths, registration area, 1928	Registration area—rate							Registration States of 1900—rate						
			1900	1910	1920	1925	1926	1927	1928	1900	1910	1920	1924	1925	1926	1927
	All causes	1,378,875	1,755.0	1,496.2	1,306.0	1,182.3	1,222.7	1,141.9	1,204.1	1,719.5	1,562.4	1,379.0	1,282.5	1,259.7	1,287.5	1,187.4
1	Typhoid and paratyphoid fever	5,620	35.9	23.5	7.8	8.0	6.5	5.5	4.9	31.3	18.0	5.0	3.5	3.3	2.8	2.0
7	Measles	6,146	12.5	12.3	8.8	2.3	3.2	4.1	5.4	13.4	12.6	10.4	5.9	3.4	11.2	1.9
8	Scarlet fever	2,220	10.2	11.6	4.6	2.7	2.5	2.3	1.9	9.6	12.2	5.2	3.3	2.7	2.8	2.7
9	Whooping cough	6,234	12.1	11.4	12.5	6.7	8.9	6.9	5.4	12.2	10.7	11.9	6.6	5.9	7.8	4.8
10	Diphtheria	8,263	43.3	21.4	15.3	7.8	7.5	7.8	7.2	40.4	22.5	17.4	10.3	8.2	7.7	8.5
11, 101	Influenza and pneumonia	113,675	181.5	115.1	153.7	84.5	99.3	69.4	103.7	179.4	121.8	144.6	71.5	79.3	96.4	67.1
31, 37a	Tuberculosis of the respiratory system and acute disseminated tuberculosis	81,725	181.8	139.7	100.8	77.1	77.8	72.5	71.4	174.5	142.0	97.2	76.8	72.8	73.3	67.6
32–36, 37b	Other forms of tuberculosis	8,934	20.1	20.6	13.4	9.5	9.3	8.3	7.8	20.7	22.7	14.7	10.9	9.9	9.9	8.7
43–49	Cancer and other malignant tumors	109,770	63.0	76.2	83.4	92.6	94.9	96.6	95.9	64.0	83.0	98.9	109.8	111.5	113.5	116.1
57	Diabetes mellitus	21,747	9.7	14.9	16.1	16.9	18.0	17.5	19.0	11.0	17.6	20.4	20.6	21.2	22.2	22.3
74, 83, 92	Cerebral hemorrhage and softening, embolism and thrombosis (not cerebral)	104,500	75.5	79.4	86.4	86.5	89.0	87.3	91.3	80.7	92.3	102.2	107.8	98.3	100.8	97.4
87–90	Diseases of the heart	237,849	132.1	158.8	159.3	185.5	199.1	195.7	207.7	137.4	180.9	193.0	221.4	234.2	251.4	241.6
99, 100	Bronchitis and bronchopneumonia	51,235	67.6	70.5	67.9	45.1	50.5	39.2	44.7	68.1	79.2	82.1	53.6	51.7	61.2	44.4
113, 114	Diarrhea and enteritis [1]	30,730	133.2	117.4	54.4	39.3	33.6	27.6	26.8	139.9	119.4	55.7	28.0	31.4	25.1	20.2
117	Appendicitis and typhlitis	17,433	9.7	11.4	13.4	15.1	15.0	15.0	15.2	8.8	11.1	13.2	15.1	15.2	14.9	15.2
118	Hernia, intestinal obstruction [2]	11,954	12.2	12.4	10.4	10.8	11.2	10.4	10.4	11.9	12.6	11.1	11.0	10.9	11.5	10.7
122	Cirrhosis of the liver	8,630	12.9	13.9	7.1	7.3	7.2	7.5	7.5	12.5	14.4	7.7	8.1	8.2	8.1	8.1
128, 129	Acute and chronic *nephritis*	108,813	89.0	99.1	89.4	96.3	98.3	92.5	95.0	88.7	107.3	97.6	93.1	101.4	103.6	95.8
146	Puerperal septicemia	5,692	5.7	7.2	6.6	5.5	5.2	5.3	5.0	5.8	6.7	6.1	5.3	4.9	4.7	4.9
143–145, 147–150	Other puerperal causes	9,999	7.6	8.5	12.6	9.3	9.1	8.4	8.7	7.7	8.4	11.5	8.5	8.0	7.6	7.8
159–163	Congenital malformations and diseases of early infancy	75,159	91.8	88.1	84.9	73.9	71.5	67.7	65.6	88.2	94.6	91.0	81.3	75.9	73.2	69.5
165–174	Suicide	15,566	11.5	16.0	10.2	12.1	12.8	13.3	13.6	10.2	15.4	10.9	13.0	13.1	13.4	14.4
197–200	Homicide	10,050	2.1	5.9	7.1	8.6	8.8	8.7	8.8	1.2	3.9	4.2	5.1	5.0	5.1	5.0
Part 188a	Automobile and railroad-train collision	2,041	(3)	(3)	(3)	1.2	1.5	1.5	1.8	(4)	(4)	(4)	(3)	1.1	1.4	1.6
Part 188b	Automobile and street-car collision	542	(3)	(3)	(3)	0.5	0.4	0.4	0.5	(3)	(3)	(4)	(4)	0.6	0.5	0.5
188c	Automobile accidents [3]	23,765	(4)	1.8	10.4	17.0	17.9	19.5	20.8	(3)	2.0	12.1	18.2	19.2	19.5	21.5
	Other external causes	64,364	79.0	52.6	61.0	59.6	58.8	57.0	58.2	72.3	75.8	58.6	59.0	58.6	56.9	54.4

[1] Includes ulcer of the duodenum from 1900 to 1920.
[2] Includes adhesions of intestines from 1900 to 1920.
[3] Excludes collisions with railroad trains and street cars.
[4] Not separately tabulated.

Source: Bureau of the Census, Department of Commerce.

No. 88.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA: BY SEX

NOTE.—See general note, p. 77.

Year	Entire area								
	Population of registration area [1]	Per cent of U. S. total population	Per cent of U. S. total area	Births			Deaths		
				Total	Males	Females	Total	Males	Females
1915	30,936,179	31.1	9.8	776,304	398,615	377,689	436,593	234,871	201,722
1916	32,788,670	32.5	10.2	818,983	420,881	398,102	486,682	264,498	222,184
1917	54,771,416	53.6	26.7	1,303,792	696,101	657,691	776,222	423,359	352,863
1918	55,515,241	53.6	26.7	1,303,649	701,164	602,485	996,627	534,720	461,907
1919	61,483,423	58.6	36.2	1,373,438	705,593	667,845	798,104	422,252	375,852
1920	63,650,441	59.8	38.7	1,508,374	775,322	733,552	836,134	438,201	397,933
1921	70,425,705	65.3	40.7	1,714,261	881,591	832,670	825,511	434,019	391,492
1922	78,885,852	72.2	50.7	1,774,911	911,831	863,080	938,545	497,967	440,578
1923	79,952,425	72.2	50.7	1,792,646	921,020	871,626	992,237	528,429	463,808
1924	85,424,653	76.2	56.8	1,930,614	992,431	938,183	1,006,994	542,637	464,357
1925	87,636,000	76.0	56.6	1,878,880	966,973	911,907	1,030,518	555,267	475,251
1926	89,988,000	76.8	63.2	1,856,068	953,638	902,430	1,003,511	589,653	503,858
1927	103,501,000	87.3	72.0	2,137,836	1,099,287	1,038,549	1,176,805	638,080	538,725
1928	113,348,000	94.4	80.8	2,233,149	1,147,625	1,085,524	1,361,987	738,891	623,096

Year	Entire area—Continued					Area [2] as of 1917	
	Excess of births over deaths	Rates per 1,000 of total population			Number of males per 1,000 females	Rates per 1,000 of total population	
		Births	Deaths	Excess of births	Among births	Among deaths	Births	Deaths
1915	339,711	25.1	14.1	11.0	1,055	1,164		
1916	332,301	25.0	14.8	10.2	1,057	1,190		
1917	577,570	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918	367,022	24.6	18.3	6.3	1,058	1,158	24.5	17.9
1919	575,334	22.3	13.0	9.3	1,057	1,123	22.6	12.9
1920	672,740	23.7	13.1	10.6	1,057	1,101	23.9	13.2
1921	888,750	24.3	11.7	12.6	1,059	1,109	24.5	11.7
1922	836,366	22.5	11.9	10.6	1,056	1,130	22.8	11.9
1923	800,409	22.4	12.4	10.0	1,057	1,139	22.8	12.5
1924	923,620	22.6	11.8	10.8	1,058	1,169	23.0	11.8
1925	848,362	21.4	11.8	9.6	1,060	1,168	21.7	11.9
1926	762,557	20.6	12.2	8.4	1,057	1,170	20.8	12.3
1927	961,031	20.6	11.4	9.2	1,058	1,184	20.6	11.4
1928	871,162	19.7	12.0	7.7	1,057	1,186	19.8	12.1

Year	Deaths under 1 year of age in entire birth registration area						
	Number			Deaths per 1,000 births			Number of male deaths per 1,000 female deaths
	Total	Males	Females	Among total	Among males	Among females	
1915	77,572	43,818	33,754	100	110	89	1,298
1916	82,734	46,790	35,944	101	111	90	1,302
1917	126,950	72,192	54,758	94	104	83	1,318
1918	137,647	77,736	59,911	101	111	90	1,298
1919	119,000	67,580	51,420	87	96	77	1,314
1920	129,531	73,737	55,794	86	95	76	1,322
1921	129,588	73,582	56,006	76	84	67	1,314
1922	135,228	77,105	58,123	76	85	67	1,327
1923	138,259	78,309	59,950	77	85	69	1,306
1924	136,730	78,085	58,645	71	79	63	1,331
1925	134,052	76,902	57,750	72	80	63	1,332
1926	136,118	77,366	58,752	73	81	65	1,317
1927	138,017	78,652	59,365	65	72	57	1,325
1928	153,492	87,676	65,816	69	76	61	1,332

[1] Midyear estimates.

[2] Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

No. 89.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE.—See general note, p. 77. For number of deaths in each State see Table 84; for number in entire birth registration area see Table 88

Area	Number of births					Excess of births over deaths [1]			
	1929	1925	1926	1927	1928	1925	1926	1927	1928
Total birth registration area	1,608,674	1,678,880	1,856,068	2,137,856	2,293,149	848,362	762,557	961,031	871,162
White	1,395,523	1,731,669	1,707,034	1,925,585	1,962,246	803,481	722,125	896,927	813,977
Colored	113,351	147,211	149,034	212,251	250,903	44,881	40,432	64,104	57,185
Cities in birth registration area	763,209	964,302	953,985	1,030,194	1,030,019	408,352	364,143	418,863	351,370
White	725,136	902,580	891,646	950,508	954,169	397,764	356,396	408,508	349,979
Colored	38,073	61,722	62,339	79,691	84,850	10,588	7,747	10,355	1,391
Rural part of birth registration area	745,665	914,578	902,083	1,107,662	1,194,130	440,010	398,414	542,168	519,792
White	670,387	829,089	815,388	975,082	1,028,077	405,717	365,729	488,419	463,998
Colored	75,278	85,489	86,695	132,580	166,053	34,293	32,685	53,749	55,794
Alabama	(2)	(2)	(2)	67,431	63,554	(2)	(2)	40,369	31,707
White	(2)	(2)	(2)	43,808	41,142	(2)	(2)	29,595	24,618
Colored	(2)	(2)	(2)	23,623	22,412	(2)	(2)	10,774	7,189
Arizona	(2)	(2)	8,394	8,538	8,945	(2)	2,822	2,657	2,501
Arkansas	(2)	(2)	(2)	40,340	38,253	(2)	(2)	22,029	18,185
White	(2)	(2)	(2)	31,464	29,696	(2)	(2)	19,538	16,557
Colored	(2)	(2)	(2)	8,876	8,457	(2)	(2)	2,491	1,628
California	67,199	85,204	82,986	84,367	83,530	28,404	24,072	22,327	17,430
Colorado	(2)	(2)	(2)	(2)	13,155	(2)	(2)	(2)	5,078
Connecticut	34,098	29,736	29,167	28,931	28,245	12,056	10,849	12,174	10,307
Delaware	(2)	4,674	4,199	4,263	4,311	1,559	752	1,256	1,115
District of Columbia	8,823	9,107	8,919	9,043	8,935	2,092	1,531	2,057	1,696
White	6,319	6,245	6,060	6,210	6,117	1,952	1,477	1,904	1,845
Colored	2,504	2,862	2,859	2,839	2,818	140	54	153	51
Florida	(2)	29,403	34,786	34,118	29,777	13,541	14,742	15,967	10,834
White	(2)	20,160	24,895	23,845	20,638	10,000	12,712	12,956	9,251
Colored	(2)	9,243	9,901	10,275	9,144	3,541	2,030	3,011	1,583
Georgia	(2)	(2)	(2)	(2)	59,123	(2)	(2)	(2)	23,112
White	(2)	(2)	(2)	(2)	37,190	(2)	(2)	(2)	18,580
Colored	(2)	(2)	(2)	(2)	21,933	(2)	(2)	(2)	4,532
Idaho	(2)	(2)	9,317	9,172	9,081	(2)	5,446	5,385	4,904
Illinois	(2)	135,437	133,039	133,662	129,067	53,844	48,608	50,313	39,472
Indiana	64,809	64,342	62,788	62,298	60,289	25,710	22,772	24,621	19,799
Iowa	(2)	47,760	45,714	44,688	43,378	23,466	20,248	20,156	18,063
Kansas	30,632	36,716	35,137	34,730	33,837	18,135	16,087	16,148	12,891
Kentucky	62,888	63,507	60,591	62,323	59,475	35,120	30,639	35,114	29,085
White	58,747	59,088	56,449	58,271	55,806	35,268	31,394	35,485	30,153
Colored	4,141	4,419	4,142	4,052	3,669	[1]—252	[1]—666	[1]—371	[1]—1,068
Louisiana	(2)	(2)	(2)	46,208	41,946	(2)	(2)	22,333	16,959
White	(2)	(2)	(2)	28,796	25,805	(2)	(2)	16,618	12,963
Colored	(2)	(2)	(2)	17,412	16,141	(2)	(2)	5,715	3,997
Maine	17,428	17,468	16,433	16,347	16,464	6,661	5,078	5,389	5,460
Maryland	36,212	33,864	32,867	32,495	31,816	12,236	10,218	11,393	10,102
White	29,452	27,124	26,151	25,954	25,218	10,981	8,931	10,127	8,801
Colored	6,760	6,740	6,716	6,541	6,598	1,255	1,287	1,266	1,301
Massachusetts	91,692	86,037	83,483	82,271	79,028	34,316	30,845	32,986	27,994
Michigan	92,740	99,220	98,781	100,178	97,797	49,801	44,697	49,535	43,003
Minnesota	55,909	53,776	52,451	50,908	49,514	28,340	26,648	26,220	23,537
Mississippi	(2)	45,155	50,840	49,272	48,213	23,002	27,074	26,069	22,327
White	(2)	22,083	24,860	24,236	23,694	13,865	15,669	15,938	13,381
Colored	(2)	23,072	25,980	25,037	24,519	9,137	11,405	10,131	8,946
Missouri	(2)	(2)	(2)	66,432	63,339	(2)	(2)	25,679	18,071
Montana	(2)	10,234	9,845	9,799	9,669	5,046	4,450	4,457	4,189
Nebraska	30,911	29,233	28,284	27,865	28,023	10,740	15,636	15,496	14,308
New Hampshire	9,948	9,407	8,721	8,798	8,676	2,844	2,018	2,469	2,234
New Jersey	(2)	74,181	72,402	72,814	70,080	31,989	27,526	30,686	25,118
New York	235,243	229,717	222,914	227,508	223,099	87,217	71,569	80,704	71,459
North Carolina	81,407	83,716	82,202	83,330	80,933	51,168	47,640	50,418	44,734
White	57,054	57,681	56,584	57,695	55,708	37,979	35,627	37,791	33,295
Colored	24,353	26,035	25,618	25,635	25,225	13,189	12,013	12,632	11,438
North Dakota	(2)	14,471	14,903	14,707	14,966	9,426	9,590	9,490	9,453
Ohio	123,729	126,878	123,889	123,611	120,407	53,271	45,194	50,096	40,200
Oklahoma	(2)	(2)	(2)	(2)	42,986	(2)	(2)	(2)	22,034
Oregon	14,942	15,486	14,754	14,623	14,035	5,857	4,897	4,417	3,545
Pennsylvania	220,462	215,120	207,096	210,001	200,769	99,375	87,159	98,749	81,102
Rhode Island	(3)	14,400	13,502	13,726	13,021	6,174	4,801	5,829	4,627
South Carolina	47,777	(2)	(2)	(2)	43,287	(2)	(2)	(2)	18,860
White	23,813	(2)	(2)	(2)	21,585	(2)	(2)	(2)	11,144
Colored	23,964	(2)	(2)	(2)	21,702	(2)	(2)	(2)	7,716

[1] A minus sign indicates an excess of deaths over births.
[2] Not added to the birth registration area until a later date.
[3] Rhode Island was not in the birth registration area in 1923, South Carolina in 1925 to 1927.

No. 89.—Births and Excess of Births Over Deaths: By States—Con.

Area	Number of births					Excess of births over deaths[1]			
	1924	1925	1926	1927	1928	1925	1926	1927	1928
Tennessee	(2)	(2)	(2)	54,652	50,363	(2)	(2)	25,623	18,959
White	(2)	(2)	(2)	*45,821*	*42,598*	(2)	(2)	*25,272*	*20,048*
Colored	(2)	(2)	(2)	*8,831*	*7,971*	(2)	(2)	*351*	*1—1,089*
Utah	14,157	13,735	13,156	12,871	12,962	9,251	8,020	8,134	7,853
Vermont	7,409	7,509	7,143	7,022	7,042	2,372	1,928	2,140	2,154
Virginia	65,794	61,193	57,796	58,185	56,516	31,850	26,978	29,413	26,305
White	*45,229*	*42,407*	*40,518*	*40,886*	*39,947*	*24,884*	*21,462*	*25,933*	*21,489*
Colored	*20,565*	*18,786*	*17,278*	*17,299*	*16,569*	*6,966*	*5,526*	*6,080*	*4,816*
Washington	27,072	24,741	23,789	23,315	23,161	9,461	8,319	7,365	6,438
West Virginia	(2)	45,311	43,936	44,857	43,387	28,157	25,793	27,868	25,880
Wisconsin	58,697	57,324	55,066	57,570	57,398	27,944	25,475	28,003	25,610
Wyoming	(2)	4,833	4,388	4,472	4,496	2,937	2,486	2,496	2,341

[1] A minus sign indicates an excess of deaths over births.
[2] Not added to the birth registration area until a later date.

Source: Bureau of the Census, Department of Commerce.

No. 90.—Births, Deaths, and Excess of Births Over Deaths: Rates per 1,000 Population in the Birth Registration Area

Note.—See general note, p. 77. For rates for the total birth registration area, see Table 88

	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Total birth registration area:										
Births	24.6	22.3	23.7	24.3	22.5	22.4	22.6	21.4	20.6	20.6
Deaths	18.3	13.0	13.1	11.7	11.9	12.4	11.8	11.8	12.2	11.4
Excess	6.3	9.3	10.6	12.6	10.6	10.0	10.8	9.6	8.4	9.2
White:										
Births	24.6	22.1	23.5	24.0	22.2	22.1	22.2	21.1	20.3	20.2
Deaths	17.8	12.6	12.8	11.4	11.6	12.0	11.3	11.3	11.7	10.8
Excess	6.8	9.5	10.7	12.6	10.6	10.1	10.9	9.8	8.6	9.4
Colored:										
Births	24.5	25.2	27.0	27.9	26.0	26.3	27.4	26.7	26.2	25.0
Deaths	26.8	18.5	18.4	15.9	16.3	17.7	18.1	18.6	19.1	17.5
Excess	[1] *2.3*	6.7	8.6	12.0	9.7	8.6	9.3	8.1	7.1	7.5
Cities:										
Births	25.1	22.7	23.8	24.0	22.2	22.3	22.8	21.9	21.2	20.9
Deaths	19.9	13.8	14.0	12.2	12.4	12.9	12.5	12.6	13.1	12.4
Excess	5.2	8.9	9.8	11.8	9.8	9.4	10.3	9.3	8.1	8.5
Rural:										
Births	24.0	22.0	23.6	24.7	22.8	22.5	22.4	20.9	20.1	20.4
Deaths	16.7	12.2	12.2	11.2	11.3	11.9	11.1	10.9	11.2	10.4
Excess	7.3	9.8	11.4	13.5	11.5	10.6	11.3	10.0	8.9	10.0

[1] Excess of deaths over births.

Source: Bureau of the Census, Department of Commerce.

No. 91.—Births and Excess of Births Over Deaths: Rates per 1,000 Population, by States

Note.—See general note, p. 77

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population				
	1920	1921	1922	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Total birth registration area	23.7	24.3	22.5	22.4	22.6	21.4	20.6	20.6	10.0	10.8	9.6	8.4	9.2
White	23.5	24.0	22.2	22.1	22.2	21.1	20.3	20.2	10.1	10.9	9.8	8.6	9.4
Colored	27.0	27.9	26.0	26.3	27.4	26.7	26.2	25.0	8.6	9.3	8.1	7.1	7.5
Cities in birth registration area	23.8	24.0	22.2	22.3	22.8	21.9	21.2	20.9	9.4	10.3	9.3	8.1	8.5
White	23.8	23.9	22.1	22.2	22.5	21.7	20.9	20.6	9.8	10.5	9.6	8.3	8.8
Colored	24.0	25.4	23.7	25.2	27.6	27.0	26.3	25.5	3.2	5.3	4.6	3.3	3.3
Rural part of birth registration area	23.6	24.7	22.8	22.5	22.4	20.9	20.1	20.4	10.6	11.3	10.0	8.9	10.0
White	23.1	24.2	22.4	22.0	21.9	20.5	19.6	19.9	10.5	11.3	10.0	8.8	10.0
Colored	28.9	29.2	27.3	26.9	27.2	26.5	26.1	24.7	11.7	11.6	10.6	9.9	10.0

No. 91.—Births and Excess of Births Over Deaths: Rates per 1,000 Population, by States—Continued

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population[1]				
	1920	1921	1922	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Alabama	(2)	(2)	(2)	(2)	(2)	(2)	(2)	26.5	(2)	(2)	(2)	(2)	15.9
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*26.5*	(2)	(2)	(2)	(2)	*17.9*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*26.4*	(2)	(2)	(2)	(2)	*12.1*
Arizona	(4)	(4)	(2)	(2)	(4)	(2)	18.9	18.6	(2)	(2)	(2)	6.4	5.8
Arkansas	(2)	(2)	(2)	(2)	(2)	(2)	(2)	21.0	(2)	(2)	(2)	(2)	11.5
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*22.1*	(2)	(2)	(2)	(2)	*13.7*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*17.7*	(2)	(2)	(2)	(2)	*4.9*
California	19.3	20.2	19.3	21.1	22.2	20.4	19.2	19.0	6.8	7.7	6.8	5.5	5.1
Connecticut	24.5	24.0	21.5	20.8	21.1	18.9	18.2	17.7	8.8	9.8	7.7	6.8	7.5
Delaware	(4)	22.4	20.6	19.7	19.0	19.6	17.5	17.5	5.7	6.0	6.5	3.1	5.1
District of Columbia	19.9	20.5	20.7	18.9	19.1	17.7	16.9	16.7	4.0	5.6	4.1	2.9	3.8
White	*19.1*	*18.5*	*19.6*	*17.7*	*17.4*	*16.0*	*15.0*	*15.0*	*5.4*	*6.2*	*5.0*	*3.7*	*4.6*
Colored	*23.5*	*23.5*	*23.9*	*22.6*	*24.1*	*23.2*	*23.0*	*22.4*	*−0.9*	*3.7*	*1.2*	*0.4*	*1.2*
Florida	(2)	(2)	(2)	(2)	21.8	23.3	26.4	25.0	(2)	8.9	10.0	11.2	11.7
White	(2)	(2)	(2)	(2)	*21.9*	*25.5*	*27.7*	*25.5*	(2)	*10.7*	*11.7*	*14.3*	*13.8*
Colored	(2)	(2)	(2)	(2)	*21.7*	*22.9*	*23.7*	*25.9*	(2)	*5.3*	*6.3*	*4.9*	*7.0*
Idaho	(3)	(3)	(3)	(3)	(3)	(3)	17.8	17.2	(3)	(3)	(3)	10.4	10.1
Illinois	(3)	(3)	20.0	19.4	19.9	19.1	18.6	18.3	7.4	8.7	7.6	6.8	6.9
Indiana	22.0	23.0	21.4	21.7	22.3	20.8	20.1	19.8	8.8	10.1	8.3	7.3	7.8
Iowa	(2)	(2)	(2)	(2)	20.3	19.7	18.9	18.4	(2)	10.5	9.7	8.4	8.3
Kansas	22.3	23.3	21.6	21.8	21.0	20.3	19.3	19.0	10.8	11.1	10.1	8.8	8.8
Kentucky	20.0	27.6	25.4	26.3	26.9	25.3	24.0	24.6	14.4	16.1	14.0	12.1	13.9
White	*26.8*	*28.6*	*26.6*	*27.4*	*27.7*	*25.9*	*24.4*	*25.0*	*16.3*	*17.8*	*15.5*	*13.5*	*15.2*
Colored	*17.6*	*19.0*	*18.9*	*15.5*	*19.5*	*19.8*	*19.4*	*19.2*	*−4.0*	*−0.6*	*−1.0*	*−3.1*	*−1.8*
Louisiana	(2)	(2)	(2)	(2)	(2)	(2)	(2)	23.9	(2)	(2)	(2)	(2)	11.6
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*23.1*	(2)	(2)	(2)	(2)	*15.6*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*25.3*	(2)	(2)	(2)	(2)	*7.9*
Maine	22.5	22.9	22.6	22.5	23.7	22.2	20.8	20.6	7.6	9.9	8.5	6.4	6.8
Maryland	24.8	25.1	23.2	23.0	22.8	21.7	20.8	20.3	8.3	9.0	7.8	6.5	7.1
White	*24.3*	*24.4*	*22.4*	*22.1*	*21.8*	*20.8*	*19.7*	*19.4*	*8.7*	*9.3*	*8.4*	*6.7*	*7.6*
Colored	*27.5*	*28.7*	*26.8*	*27.6*	*27.6*	*26.4*	*26.3*	*25.5*	*6.2*	*7.3*	*4.9*	*4.8*	*4.9*
Massachusetts	23.6	23.5	22.1	22.1	22.3	20.8	19.9	19.4	9.1	10.3	8.3	7.4	7.8
Michigan	25.0	25.3	23.2	23.4	24.1	23.2	22.5	22.3	11.0	12.5	11.7	10.2	11.0
Minnesota	23.3	23.6	23.1	22.5	22.0	20.6	19.8	19.6	12.4	12.3	10.9	10.1	9.8
Mississippi	(2)	25.8	24.3	24.0	24.4	25.2	28.4	27.5	12.6	12.6	12.8	15.1	14.5
White	(2)	*27.6*	*24.7*	*24.5*	*25.7*	*25.9*	*29.1*	*28.4*	*15.4*	*16.5*	*16.3*	*18.3*	*18.0*
Colored	(2)	*24.1*	*23.9*	*23.5*	*23.1*	*24.6*	*27.7*	*26.7*	*10.0*	*8.9*	*9.7*	*12.1*	*11.4*
Missouri	(2)	(2)	(2)	(2)	(2)	(2)	(2)	18.9	(2)	(2)	(2)	(2)	7.3
Montana	(2)	(2)	18.3	17.1	16.2	15.2	14.2	13.7	9.1	8.3	7.5	6.4	6.2
Nebraska	23.7	24.5	23.5	22.6	22.4	21.3	20.4	20.0	13.1	13.2	12.2	11.3	11.1
New Hampshire	22.4	22.8	21.9	20.8	22.5	20.8	19.2	19.3	5.7	8.3	6.3	4.4	5.4
New Jersey	(6)	24.1	22.5	22.1	22.3	20.6	19.7	19.4	9.8	10.4	8.9	7.5	8.2
New York	22.5	22.7	21.6	21.2	21.1	20.6	19.7	19.9	8.2	8.4	7.8	6.3	7.6
North Carolina	31.6	33.8	30.9	31.3	32.2	29.8	28.8	28.8	19.3	20.0	18.2	16.7	17.4
White	*31.7*	*33.6*	*30.8*	*30.7*	*31.5*	*29.1*	*28.0*	*28.0*	*20.2*	*21.1*	*19.2*	*17.6*	*18.3*
Colored	*31.3*	*34.5*	*32.2*	*32.7*	*33.8*	*31.4*	*30.7*	*30.5*	*17.2*	*17.4*	*15.9*	*14.4*	*15.0*
North Dakota	(2)	(2)	(2)	(2)	21.0	22.6	23.2	22.9	(2)	14.6	14.7	14.9	14.8
Ohio	21.3	21.9	20.4	21.0	21.2	19.6	18.8	18.4	8.7	10.0	8.2	6.9	7.4
Oregon	18.9	19.3	18.4	18.2	18.8	17.9	16.8	16.4	7.3	7.4	6.7	5.6	4.9
Pennsylvania	25.1	25.8	23.8	23.9	24.2	22.7	21.6	21.6	10.6	11.9	10.5	9.1	10.2
Rhode Island	(2)	23.6	23.1	23.0	22.4	21.2	19.6	19.5	9.2	9.9	9.1	6.9	8.3
South Carolina	26.2	26.5	26.9	25.4	26.9	(4)	(4)	(4)	13.6	13.9	(4)	(4)	(4)
White	*23.8*	*23.9*	*27.1*	*26.4*	*27.5*	(4)	(4)	(4)	*16.9*	*16.9*	(4)	(4)	(4)
Colored	*27.7*	*29.1*	*26.7*	*24.4*	*26.6*	(4)	(4)	(4)	*10.3*	*10.9*	(4)	(4)	(4)
Tennessee	(2)	(2)	(2)	(2)	(2)	(2)	(2)	22.0	(2)	(2)	(2)	(2)	10.3
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*22.3*	(2)	(2)	(2)	(2)	*12.3*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*20.5*	(2)	(2)	(2)	(2)	*9*
Utah	31.2	31.6	29.6	28.6	28.8	27.3	25.6	24.7	19.1	18.4	18.4	15.6	15.6
Vermont	21.0	22.5	21.3	20.8	21.0	21.3	20.3	19.9	5.6	7.2	6.7	5.5	*0.0*
Virginia	28.3	29.9	27.3	26.8	26.5	24.6	22.9	22.9	14.0	14.5	12.8	10.7	11.6
White	*27.8*	*29.4*	*25.6*	*26.2*	*25.9*	*23.9*	*22.3*	*22.3*	*15.2*	*15.6*	*14.0*	*11.9*	*12.8*
Colored	*29.7*	*31.1*	*28.9*	*28.2*	*27.9*	*26.4*	*24.7*	*24.4*	*11.0*	*11.5*	*9.3*	*7.8*	*8.6*
Washington	19.8	19.6	18.0	17.6	17.4	16.4	15.6	14.9	7.9	7.4	6.3	5.4	4.7
West Virginia	(2)	(2)	(2)	(2)	(2)	27.7	26.3	26.4	(2)	(2)	17.2	15.4	16.4
Wisconsin	22.2	23.0	21.4	21.5	21.4	20.1	19.3	19.7	10.8	11.2	9.8	8.8	*9.6*
Wyoming	(2)	(2)	25.1	23.4	24.1	21.1	18.6	18.6	13.1	14.6	12.8	10.5	10.4

[1] A minus sign indicates an excess of deaths over births.
[2] Not added to the birth registration area until a later date.
[3] Not in the birth registration area in 1920.
[4] Not in the birth registration area in 1925, 1926, and 1927.

Source: Bureau of the Census, Department of Commerce.

No. 92.—BIRTHS AND STILLBIRTHS, BY LEGITIMACY: BY STATES, 1928

Area	Births [1]			Stillbirths			Stillbirths per 100 live births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Birth registration area [2]	2,070,585	2,006,643	63,942	84,594	78,466	6,128	4.1	3.9	9.6
White	1,825,627	1,795,139	30,488	64,323	62,228	2,095	3.5	3.5	6.9
Colored	244,958	211,504	33,454	20,271	16,238	4,033	8.3	7.7	12.1
Alabama	63,554	59,178	4,376	3,306	2,870	436	5.2	4.8	10.0
White	*41,148*	*40,571*	*577*	*1,641*	*1,607*	*34*	*3.7*	*3.7*	*6.0*
Colored	*22,412*	*18,607*	*3,805*	*1,765*	*1,363*	*402*	*7.9*	*7.3*	*10.6*
Arizona	8,945	8,757	188	247	242	5	2.8	2.8	2.7
Arkansas	38,183	36,792	1,391	1,761	1,612	139	4.6	4.4	10.0
White	*29,696*	*29,270*	*426*	*1,032*	*1,000*	*32*	*3.5*	*3.4*	*7.5*
Colored	*8,487*	*7,522*	*965*	*719*	*612*	*107*	*8.5*	*8.1*	*11.1*
Colorado	19,155	18,730	425	578	559	19	3.0	3.0	4.5
Connecticut	28,245	27,819	426	899	876	23	3.2	3.1	5.4
Delaware	4,311	4,080	231	147	128	19	3.4	3.1	8.2
District of Columbia	8,935	8,364	571	434	385	49	4.9	4.6	8.6
White	*6,117*	*5,990*	*127*	*200*	*195*	*5*	*3.3*	*3.3*	*3.9*
Colored	*2,818*	*2,374*	*444*	*234*	*190*	*44*	*8.3*	*8.0*	*9.9*
Florida	29,777	28,208	1,569	2,011	1,775	236	6.8	6.3	15.0
White	*20,682*	*20,293*	*385*	*893*	*864*	*29*	*4.3*	*4.3*	*8.7*
Colored	*9,144*	*7,910*	*1,234*	*1,118*	*911*	*207*	*12.2*	*11.5*	*16.8*
Georgia	59,123	55,377	3,746	3,459	2,993	466	5.9	5.4	12.4
White	*37,190*	*36,692*	*498*	*1,528*	*1,500*	*28*	*3.6*	*3.5*	*5.6*
Colored	*21,933*	*18,685*	*3,248*	*2,131*	*1,493*	*438*	*9.7*	*9.1*	*13.5*
Idaho	9,081	8,986	95	232	228	4	2.6	2.5	4.2
Illinois	129,607	127,327	2,340	4,677	4,531	146	3.6	3.6	6.2
Indiana	60,289	59,352	937	1,877	1,801	76	3.1	3.0	8.1
Iowa	43,378	42,664	714	1,152	1,120	32	2.7	2.6	4.5
Kansas	33,837	33,369	468	1,112	1,082	30	3.3	3.2	6.4
Kentucky	59,475	58,406	1,069	1,850	1,756	94	3.1	3.0	8.8
White	*55,806*	*55,100*	*706*	*1,602*	*1,551*	*51*	*2.9*	*2.8*	*7.2*
Colored	*3,669*	*3,306*	*363*	*248*	*205*	*43*	*6.8*	*6.2*	*11.8*
Louisiana	41,946	39,142	2,804	2,451	2,027	424	5.8	5.2	15.1
White	*25,805*	*25,372*	*433*	*1,075*	*1,021*	*54*	*4.2*	*4.0*	*12.5*
Colored	*16,141*	*13,770*	*2,371*	*1,376*	*1,006*	*370*	*8.5*	*7.3*	*15.6*
Maine	16,464	16,068	396	662	630	32	4.0	3.9	8.1
Maryland	31,816	29,975	1,841	2,217	1,906	311	7.0	6.4	16.9
White	*25,218*	*24,743*	*475*	*1,439*	*1,356*	*83*	*5.7*	*5.5*	*17.5*
Colored	*6,598*	*5,232*	*1,366*	*778*	*550*	*228*	*11.8*	*10.5*	*16.7*
Michigan	97,797	95,790	2,007	3,693	3,581	112	3.8	3.7	5.6
Minnesota	49,514	48,544	970	1,461	1,409	52	3.0	2.9	5.4
Mississippi	48,213	44,709	3,504	2,783	2,413	370	5.8	5.4	10.6
White	*28,634*	*28,402*	*232*	*848*	*839*	*9*	*3.6*	*3.6*	*3.9*
Colored	*24,579*	*21,307*	*3,272*	*1,935*	*1,574*	*361*	*7.9*	*7.4*	*11.0*
Missouri	63,339	61,498	1,841	2,833	2,653	180	4.5	4.3	9.8
Montana	9,969	9,800	169	341	334	7	3.4	3.4	4.1
Nebraska	28,028	27,573	455	889	872	17	3.2	3.2	3.7
New Hampshire	8,676	8,550	126	335	325	10	3.9	3.8	7.9
New Jersey	70,080	69,002	1,078	2,808	2,718	90	4.0	3.9	8.3
New York	223,099	219,818	3,281	9,550	9,286	264	4.3	4.2	8.0
North Carolina	80,893	75,958	4,935	3,917	3,401	516	4.8	4.5	10.5
White	*55,708*	*54,688*	*1,020*	*1,934*	*1,865*	*69*	*3.5*	*3.4*	*6.8*
Colored	*25,185*	*21,270*	*3,915*	*1,983*	*1,536*	*447*	*7.9*	*7.2*	*11.4*
North Dakota	14,966	14,662	304	431	417	14	2.9	2.8	4.6
Ohio	120,407	118,044	2,363	4,455	4,266	189	3.7	3.6	8.0
Oklahoma	42,986	42,245	741	1,325	1,261	64	3.1	3.0	8.6
Oregon	14,035	13,815	220	404	399	5	2.9	2.9	2.3
Pennsylvania	200,769	195,406	5,363	7,625	7,201	424	3.8	3.7	7.9
Rhode Island	13,021	12,743	278	438	425	13	3.4	3.3	4.7
South Carolina	43,287	39,144	4,143	2,937	2,373	564	6.8	6.1	13.6
White	*21,555*	*21,158*	*397*	*732*	*708*	*24*	*3.4*	*3.3*	*6.0*
Colored	*21,732*	*17,986*	*3,746*	*2,205*	*1,665*	*540*	*10.1*	*9.3*	*14.4*
Tennessee	50,363	48,485	1,878	2,156	1,973	183	4.3	4.1	9.7
White	*42,992*	*41,611*	*781*	*1,507*	*1,451*	*56*	*3.6*	*3.5*	*7.2*
Colored	*7,571*	*6,874*	*1,097*	*649*	*522*	*127*	*8.1*	*7.6*	*11.6*
Utah	12,902	12,834	128	328	325	3	2.5	2.5	2.3
Vermont	7,042	6,867	175	208	198	10	3.0	2.9	5.7
Virginia	56,516	53,126	3,390	2,500	2,208	292	4.4	4.2	8.6
White	*39,947*	*39,121*	*826*	*1,261*	*1,210*	*51*	*3.2*	*3.1*	*6.2*
Colored	*16,569*	*14,005*	*2,564*	*1,239*	*998*	*241*	*7.5*	*7.1*	*9.4*
Washington	23,161	22,825	336	641	622	19	2.8	2.7	5.7
West Virginia	43,387	41,940	1,447	1,672	1,551	121	3.9	3.7	8.4
Wisconsin	57,308	56,231	1,167	1,674	1,608	66	2.9	2.9	5.7
Wyoming	4,496	4,440	56	128	126	2	2.8	2.8	3.6
Virgin Islands [3]	563	225	338	46	15	31	8.2	6.7	9.2

[1] Stillbirths are excluded as in other tables.
[2] Exclusive of California and Massachusetts, which do not require a statement of legitimacy of child.
[3] Not included in the total.

Source: Bureau of the Census, Department of Commerce.

No. 93.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 77

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1927	1928	1920	1923	1924	1925	1926	1927	1928
Total birth registration area	136,017	153,492	86	77	71	72	73	65	69
White	116,773	126,855	82	73	67	68	70	61	64
Colored	21,244	26,637	132	117	113	111	112	100	106
Cities (total)	66,987	71,921	91	78	72	73	74	65	69
White	57,972	61,032	87	75	69	69	70	61	65
Colored	9,015	10,280	158	138	127	125	127	113	121
Rural part	71,030	81,571	81	76	69	70	72	64	68
White	58,801	65,223	76	72	65	67	69	60	63
Colored	12,229	16,348	118	106	105	101	101	92	98
Alabama	4,340	4,765	(1)	(1)	(1)	(1)	(1)	94	75
White	*2,419*	*2,649*	(1)	(1)	(1)	(1)	(1)	*66*	*64*
Colored	*1,921*	*2,116*	(1)	(1)	(1)	(1)	(1)	*88*	*94*
Arizona	1,111	1,266	(1)	(1)	(1)	(1)	121	130	142
Arkansas	2,456	2,566	(1)	(1)	(1)	(1)	(1)	61	67
White	*1,769*	*1,824*	(1)	(1)	(1)	(1)	(1)	*56*	*61*
Colored	*687*	*732*	(1)	(1)	(1)	(1)	(1)	*77*	*86*
California	5,257	5,199	74	73	67	69	63	62	62
Colorado	(1)	1,712	(1)	(1)	(1)	(1)	(1)	(1)	*89*
Connecticut	1,701	1,655	*92*	*77*	*69*	*73*	*72*	*59*	*59*
Delaware	*301*	*338*	(1)	*104*	*95*	*91*	*93*	*71*	*78*
District of Columbia	611	582	*91*	*92*	*76*	*87*	*85*	*68*	*65*
White	*302*	*280*	*72*	*71*	*62*	*67*	*67*	*49*	*46*
Colored	*309*	*302*	*139*	*148*	*109*	*132*	*123*	*109*	*107*
Florida	2,299	1,998	(1)	(1)	82	74	75	67	67
White	*1,542*	*1,128*	(1)	(1)	*70*	*60*	*62*	*56*	*55*
Colored	*957*	*870*	(1)	(1)	*107*	*105*	*107*	*93*	*95*
Georgia	(1)	4,822	(1)	(1)	(1)	(1)	(1)	(1)	82
White	(1)	*2,542*	(1)	(1)	(1)	(1)	(1)	(1)	*68*
Colored	(1)	*2,280*	(1)	(1)	(1)	(1)	(1)	(1)	*104*
Idaho	459	536	(1)	(1)	(1)	(1)	63	50	59
Illinois	8,605	8,326	(1)	82	71	73	69	64	64
Indiana	3,664	3,769	*82*	71	*65*	*68*	72	59	63
Iowa	2,478	2,300	(1)	(1)	*55*	*56*	59	*55*	*53*
Kansas	1,920	1,936	73	63	59	62	65	55	59
Kentucky	3,803	4,137	73	72	65	70	76	61	70
White	*3,361*	*3,704*	*69*	*67*	*61*	*67*	*71*	*58*	*66*
Colored	*442*	*433*	*138*	*157*	*119*	*120*	*134*	*109*	*118*
Louisiana	3,578	3,289	(1)	(1)	(1)	(1)	(1)	77	78
White	*1,682*	*1,645*	(1)	(1)	(1)	(1)	(1)	*58*	*64*
Colored	*1,759*	*1,644*	(1)	(1)	(1)	(1)	(1)	*109*	*102*
Maine	1,308	1,194	102	89	81	76	80	80	73
Maryland	2,647	2,532	104	95	86	90	87	81	80
White	*1,768*	*1,687*	*90*	*80*	*76*	*76*	*74*	*68*	*67*
Colored	*879*	*845*	*164*	*166*	*128*	*146*	*137*	*134*	*128*
Massachusetts	5,310	5,084	*91*	*78*	68	73	73	65	64
Michigan	6,778	6,792	92	80	72	75	77	68	69
Minnesota	2,643	2,656	66	62	57	60	58	52	54
Mississippi	3,290	3,559	(1)	68	71	68	70	67	74
White	*1,939*	*1,443*	(1)	*53*	*56*	*58*	*59*	*55*	*61*
Colored	*1,951*	*2,116*	(1)	*82*	*88*	*83*	*81*	*78*	*89*
Missouri	3,966	4,155	(1)	(2)	(1)	(1)	(1)	60	66
Montana	651	612	(1)	72	67	71	77	*66*	61
Nebraska	1,427	1,481	64	57	55	58	59	51	53
New Hampshire	609	602	88	93	80	76	79	69	69
New Jersey	4,467	4,572	(1)	72	70	69	70	61	65
New York	13,513	14,512	86	72	69	68	71	59	65
North Carolina	6,588	6,935	85	81	82	79	82	79	86
White	*3,791*	*4,196*	*73*	*70*	*72*	*67*	*71*	*66*	*75*
Colored	*2,797*	*2,739*	*113*	*106*	*110*	*105*	*107*	*109*	*109*
North Dakota	932	890	(1)	(2)	67	72	69	63	59
Ohio	7,645	7,953	83	75	67	70	70	62	*66*
Oklahoma	(1)	2,966	(1)	(1)	(1)	(1)	(1)	(2)	*69*
Oregon	695	654	62	57	54	51	53	48	47
Pennsylvania	14,486	14,467	97	90	79	82	82	69	72
Rhode Island	913	875	(2)	94	80	73	82	67	67

[1] Not added to the birth registration area until a later date.
[2] Not in the birth registration area in 1920.

No. 93.—Deaths of Infants Under 1 Year of Age: Number and Rates, by States, for the Birth Registration Area—Continued

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1927	1928	1920	1923	1924	1925	1926	1927	1928
South Carolina	(3)	4,178	116	90	102	(3)	(3)	(3)	97
White	(3)	*1,675*	*83*	*70*	*77*	(3)	(3)	(3)	*78*
Colored	(3)	*2,503*	148	125	127	(3)	(3)	(3)	*115*
Tennessee	3,885	4,075	(1)	(1)	(1)	(1)	(1)	71	81
White	*2,043*	*3,113*	(1)	(1)	(1)	(1)	(1)	*64*	*73*
Colored	*942*	*962*	(1)	(1)	(1)	(1)	(1)	*107*	*121*
Utah	699	764	71	59	64	56	75	54	59
Vermont	490	459	96	76	70	72	72	70	65
Virginia	4,392	4,290	84	84	78	81	84	75	76
White	*2,551*	*2,559*	*72*	*70*	*66*	*68*	*72*	*62*	*64*
Colored	*1,841*	*1,731*	*110*	*115*	*104*	*111*	*111*	*106*	*104*
Washington	1,162	1,115	66	57	56	56	56	50	48
West Virginia	3,227	3,043	(1)	(1)	(1)	80	82	72	70
Wisconsin	3,403	3,526	77	70	65	67	69	59	61
Wyoming	308	305	(1)	80	64	64	76	69	68
Hawaii [4]	1,152	973	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Total for area having birth registration in 1917 [6]	83,372	85,020	86	77	71	73	75	65	68

[1] Not added to the birth registration area until a later date.
[3] Not in the birth registration area in 1925, 1926, and 1927.
[4] Not included in the total.
[5] Not in the birth registration area.
[6] Exclusive of Rhode Island.

No. 94.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: Rates per 1,000 Births, by Principal Causes, for the Birth Registration Area

Note.—See general note, p. 77

Cause of death	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area of 1917 (exclusive of Rhode Island)				
	1920	1923	1924	1925	1926	1927	1928	1920	1925	1926	1927	1928
All causes under 1 year of age	85.8	77.1	70.8	71.7	73.3	64.6	68.7	86.1	72.8	75.1	64.5	67.7
Measles	1.0	1.2	.8	.3	1.1	.4	.6	1.0	.4	1.2	.3	.7
Scarlet fever	.1	.1	.1	.1	.1	.1	.1	.1	.1	(1)	.1	(1)
Whooping cough	3.0	2.4	2.1	1.8	2.3	1.9	1.6	3.0	1.6	1.6	1.8	1.4
Diphtheria [2]	.5	.4	.3	.3	.2	.2	.3	.5	.3	.2	.2	.2
Influenza and pneumonia	5.9	5.1	3.9	4.4	5.3	3.7	5.6	5.7	4.4	5.4	3.6	4.9
Dysentery	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2
Erysipelas	.4	.4	.4	.3	.4	.4	.3	.4	.4	.4	.2	.3
Tetanus	.1	.1	.1	.1	.1	.1	.1	.1	(1)	(1)	(1)	.1
Tuberculosis (all forms)	1.0	.8	.6	.6	.6	.6	.5	1.0	.7	.7	.6	.6
Syphilis	.9	.8	.7	.7	.6	.7	.8	.8	.7	.6	.7	.7
Convulsions	1.0	.7	.7	.7	.6	.5	.5	1.0	.7	.6	.5	.5
Bronchitis and broncho-pneumonia	9.6	8.8	7.8	7.7	8.8	6.4	7.3	10.1	8.0	9.4	6.8	8.1
Diseases of the stomach [3]	1.2	.8	.7	.6	.5	.5	.5	1.1	.6	.5	.5	.4
Diarrhea and enteritis [4]	14.9	11.5	9.2	11.2	9.7	7.8	7.7	15.2	11.2	9.6	7.3	7.4
Congenital malformations	6.2	6.3	6.1	6.2	6.2	5.6	5.4	6.4	6.3	6.3	6.2	6.1
Congenital debility and other diseases of early infancy	7.7	6.5	6.0	5.9	5.5	4.8	5.0	7.7	6.1	5.6	5.0	5.0
Premature birth	19.4	17.8	17.7	17.2	17.7	16.8	17.6	19.1	17.6	18.3	17.3	17.8
Injury at birth	3.7	4.6	4.8	4.9	4.9	4.8	4.7	3.9	4.9	4.9	5.1	5.1
External causes	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	.9	.9
Unknown or ill-defined diseases	2.5	2.4	2.4	2.2	2.3	3.1	3.7	2.5	2.0	2.1	2.0	2.1
All other causes	5.4	5.0	5.0	5.2	5.1	4.9	5.0	5.3	5.4	5.3	5.0	5.2

[1] Less than one-tenth of 1 per 1,000 births.
[2] Includes croup in 1920.
[3] Excludes ulcer of the duodenum in 1920.
[4] Includes ulcer of the duodenum in 1920.

Source of Tables 93 and 94: Bureau of the Census, Department of Commerce.

No. 95.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA [1] OF 1917

NOTE.—See general note, p. 77

Age	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area of 1917 [1]				
	1920	1923	1924	1925	1926	1927	1928	1920	1925	1926	1927	1928
Total under 1 year	85.8	77.1	70.8	71.7	73.3	64.6	68.7	66.1	72.8	75.1	64.5	67.7
Under 1 day	14.8	14.7	14.8	16.0	15.2	15.1	15.3	14.8	15.0	15.3	15.1	15.2
1 day	4.6	4.4	4.2	4.2	4.2	4.1	4.4	4.6	4.3	4.3	4.2	4.4
2 days	3.4	3.3	3.3	3.2	3.2	3.0	3.1	3.4	3.2	3.2	3.1	3.2
3 to 6 days	6.4	6.1	6.2	5.8	5.7	5.3	5.4	6.4	5.9	5.9	5.4	5.3
1 week	5.4	4.9	4.6	4.4	4.3	3.9	4.1	5.4	4.5	4.4	3.8	3.9
2 weeks	3.8	3.4	2.9	2.9	3.0	2.6	2.6	3.8	3.0	3.1	2.6	2.6
3 weeks	3.1	2.7	2.5	2.3	2.4	2.2	2.3	3.1	2.4	2.5	2.2	2.3
Under 1 month	41.5	39.5	38.6	37.8	37.9	36.1	37.2	41.5	38.3	38.6	36.5	36.9
1 month	7.3	6.4	5.8	5.8	6.0	5.1	5.5	7.2	5.9	6.2	5.1	5.3
2 months	5.7	4.9	4.4	4.6	4.7	4.0	4.4	5.7	4.7	4.7	4.0	4.3
3 to 5 months	13.1	11.2	9.5	10.3	10.4	8.6	9.3	13.2	10.5	10.6	8.5	9.2
6 to 8 months	10.0	8.4	6.9	7.5	7.9	6.1	6.9	10.1	7.5	8.2	5.9	6.7
9 to 11 months	8.3	6.8	5.6	5.8	6.5	4.7	5.4	8.5	6.9	6.8	4.5	5.3

[1] Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

No. 96.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900

Year	Estimated population, July 1	Homicides		Suicides	
		Number	Rate per 100,000 population	Number	Rate per 100,000 population
1900	14, 133, 877	481	3.4	2,099	14.9
1902	14, 899, 699	587	3.8	2,487	16.7
1903	15, 286, 581	636	4.2	2,758	18.0
1904	15, 670, 701	723	4.6	2,998	19.1
1905	16, 104, 214	983	6.1	3,126	19.4
1906	16, 594, 107	1, 189	7.2	2,984	18.0
1907	17, 072, 832	1, 455	8.5	3,319	19.4
1908	17, 541, 214	1, 401	8.0	3,957	22.6
1909	18, 018, 210	1, 252	6.9	3,772	20.9
1910	18, 522, 956	1, 479	8.0	3,743	20.2
1911	18, 958, 147	1, 505	7.9	3,880	20.5
1912	19, 413, 308	1, 504	7.7	3,868	19.9
1913	19, 847, 428	1, 702	8.6	3,957	19.9
1914	20, 273, 425	1, 715	8.5	4,351	21.5
1915	20, 720, 640	1, 698	8.2	4,455	21.5
1916 [1]	21, 021, 720	1, 786	8.5	3,892	18.5
1917	21, 616, 460	2, 061	9.5	3,816	17.7
1918	22, 038, 599	1, 865	8.5	3,351	15.2
1919	22, 553, 206	2, 006	8.9	3,229	14.3
1920	22, 996, 227	1, 930	8.4	2,910	12.7
1921	23, 330, 469	2, 168	9.3	3,731	16.0
1922	23, 716, 781	2, 211	9.3	3,626	15.3
1923	24, 151, 350	2, 435	10.1	3,692	15.3
1924	24, 570, 289	2, 682	10.9	3,855	15.7
1925	24, 979, 551	2, 808	11.2	4,000	16.0
1926	25, 387, 577	2, 715	10.7	4,264	16.8
1927	25, 865, 136	2, 771	10.7	4,492	17.4
1928	(2)	2, 748	(2)	4,799	(2)

[1] Excludes Memphis, Tenn.

[2] See last paragraph of general note, p. 77.

Source: Bureau of the Census, Department of Commerce.

No. 97.—BIRTH AND DEATH REGISTRATION: States Included in Registration Area with Year When Each Was Added

Death registration States				Birth registration States			
State	Year	State	Year	State	Year	State	Year
Massachusetts	1880	Kentucky	1911	Connecticut	1915	Nebraska	1920
New Jersey		Missouri		Maine		Delaware	1921
Dist. of Col.		Virginia	1913	Massachusetts		Mississippi	
Connecticut	1890	Kansas	1914	Michigan		New Jersey	
Delaware [1]		South Carolina	1916	Minnesota		Illinois	
New Hampshire		Tennessee	1917	New Hampshire		Montana	1922
New York		Illinois	1918	New York		Wyoming	
Rhode Island		Louisiana		Pennsylvania		Florida	
Vermont		Oregon		Rhode Island [5]		Iowa	1924
Maine		Florida	1919	Vermont		North Dakota	
Michigan	1900	Mississippi		Dist. of Col.		West Virginia	1925
Indiana		Nebraska	1920	Maryland	1916	Arizona	1926
California		Georgia [4]		Indiana		Idaho	
Colorado		Idaho	1922	Kansas		Alabama	
Maryland	1906	Wyoming		Kentucky		Arkansas	
Pennsylvania		Iowa	1923	North Carolina		Louisiana	1927
South Dakota [2]		North Dakota	1924	Ohio	1917	Missouri	
Washington	1908	Alabama	1925	Utah		Tennessee	
Wisconsin		West Virginia		Virginia		Colorado	
Ohio	1909	Arizona	1926	Washington		Georgia	1928
Minnesota		Arkansas	1927	Wisconsin		Oklahoma	
Montana	1910	Georgia	1928	California			
North Carolina [3]		Oklahoma		Oregon	1919		
Utah				South Carolina [6]			

[1] Dropped from the area in 1900; readmitted in 1919. [2] Dropped from the area in 1910.
[3] Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.
[4] In 1925, State registration law declared unconstitutional; readmitted in 1928.
[5] Dropped from area in 1919; readmitted in 1921. [6] Dropped from area in 1925; readmitted in 1928.

Note.—The Territory of Hawaii was added to the death registration area in 1917, the Virgin Islands to both the death and the birth registration areas in 1924.

Source: Bureau of the Census, Department of Commerce.

No. 98.—MARRIAGES AND DIVORCES: Number and Ratio of Divorces to Marriages, Continental United States

Note.—Statistics for annulments were collected for the first time in 1926. Data for 1926 to 1928 are as follows: Annulments—1926, 3,825; 1927, 4,252; 1928, 4,237; number of marriages terminated by divorce to every marriage annulled—1926, 47.3; 1927, 45.2; 1928, 46.2

Calendar year	Marriages, number	Divorces					Number of divorces per 1,000 marriages
		Total number	Granted to husband		Granted to wife		
			Number	Per cent	Number	Per cent	
1890	542,537	33,461	11,625	34.7	21,836	65.3	62
1891	562,412	35,540	12,478	35.1	23,062	64.9	63
1892	577,870	36,579	12,577	34.4	24,002	65.6	63
1893	578,673	37,468	12,590	33.6	24,878	66.4	65
1894	566,161	37,568	12,551	33.4	25,017	66.6	66
1895	598,855	40,387	13,456	33.3	26,931	66.7	67
1896	613,873	42,937	14,448	33.6	28,489	66.4	70
1897	622,350	44,699	14,765	33.0	29,934	67.0	72
1898	625,655	47,849	15,988	33.4	31,861	66.6	76
1899	650,610	51,437	16,925	32.9	34,512	67.1	79
1900	685,284	55,751	18,620	33.4	37,131	66.6	81
1901	716,621	60,984	20,008	32.8	40,976	67.2	85
1902	746,733	61,480	20,056	32.6	41,424	67.4	82
1903	786,132	64,925	21,321	32.8	43,604	67.2	83
1904	781,145	66,199	22,189	33.5	44,010	66.5	85
1905	804,787	67,976	22,220	32.7	45,756	67.3	84
1906	853,290	72,062	23,455	32.5	48,607	67.5	84
1916	1,040,684	[1] 112,036	33,809	31.1	74,893	68.9	108
1922	1,134,151	[1] 148,815	47,359	32.0	100,416	68.0	131
1923	1,220,784	[1] 165,996	52,999	32.2	111,480	67.8	134
1924	1,184,574	[1] 170,952	52,984	31.5	115,328	68.5	144
1925	1,188,334	[1] 175,449	52,147	30.1	121,333	69.9	148
1926	1,202,574	[1] 180,853	52,334	29.5	126,563	70.5	150
1927	1,201,053	[1] 192,037	54,637	29.0	134,048	71.0	160
1928	1,182,497	[1] 195,939	55,065	28.6	137,277	71.4	166

[1] Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source: Bureau of the Census, Department of Commerce.

No. 99.—MARRIAGES, DIVORCES, AND ANNULMENTS: BY STATES

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Number of annulments, 1928
	Number		Per 1,000 of the population [1]		Number		Per 1,000 of the population [1]				
	1927	1928	1927	1928	1927	1928	1927	1928	1927	1928	
Continental United States	1,201,063	1,182,497	10.1	9.85	192,037	195,939	1.62	1.63	160	166	4,237
New England	61,824	59,814	7.6	7.2	7,320	8,046	.96	.97	126	135	101
Maine	6,279	6,178	7.9	7.8	1,311	1,315	1.65	1.65	209	213	8
New Hampshire	4,847	4,796	10.7	10.5	646	706	1.42	1.55	133	147	9
Vermont	2,766	2,997	7.8	8.5	257	306	.73	1.12	93	132	
Massachusetts	30,408	29,082	7.2	6.8	3,459	3,646	.82	.85	114	125	63
Rhode Island	5,461	5,111	7.8	7.1	722	707	1.03	.99	132	138	
Connecticut	12,063	11,650	7.4	7.0	1,425	1,276	.87	.77	118	110	21
Middle Atlantic	218,165	211,108	8.8	8.4	18,195	16,420	.65	.65	74	78	1,129
New York	118,719	114,348	10.4	9.9	5,000	5,293	.44	.46	42	46	990
New Jersey	28,316	29,120	7.6	7.6	3,041	3,170	.81	.83	107	109	82
Pennsylvania	71,130	67,640	7.3	6.9	8,084	7,957	.83	.81	114	118	57
East North Central	233,724	233,261	9.5	9.4	50,674	51,435	2.06	2.06	217	221	478
Ohio	59,296	59,339	8.8	8.7	14,646	14,643	2.18	2.15	247	247	64
Indiana	41,112	40,960	13.1	12.9	8,077	7,885	2.56	2.48	196	193	93
Illinois	80,222	79,725	11.0	10.8	14,984	15,703	2.05	2.12	187	197	172
Michigan	36,276	37,300	8.1	8.1	10,525	10,531	2.34	2.29	290	282	82
Wisconsin	16,818	15,937	5.8	5.4	2,442	2,673	.84	.91	145	168	67
West North Central	121,251	121,452	9.2	9.2	23,664	23,839	1.79	1.80	194	196	189
Minnesota	23,328	23,249	8.7	8.5	2,822	2,844	1.05	1.04	121	122	29
Iowa	21,048	20,529	8.7	8.5	4,226	4,076	1.74	1.68	201	199	26
Missouri	37,208	37,050	10.6	10.5	9,651	10,089	2.75	2.86	259	272	40
North Dakota	3,973	4,269	6.2	6.7	500	461	.79	.72	127	108	7
South Dakota	6,004	6,738	8.6	9.5	665	750	.96	1.07	111	111	5
Nebraska	9,800	9,932	7.0	7.1	1,620	1,538	1.16	1.09	165	155	54
Kansas	19,800	19,679	10.8	10.7	4,074	4,081	2.23	2.22	206	207	28
South Atlantic	172,478	165,275	10.9	10.2	15,388	14,684	.97	.92	89	88	201
Delaware	1,154	1,153	4.7	4.7	163	185	.67	.76	141	160	4
Maryland	25,025	24,226	15.7	15.0	2,059	1,976	1.29	1.22	82	82	26
Dist. of Columbia	5,543	5,298	10.3	9.6	146	101	.27	.18	26	19	21
Virginia	22,163	21,400	8.7	8.3	3,000	2,952	1.18	1.15	135	138	22
West Virginia	19,287	18,361	11.4	10.7	2,135	2,071	1.26	1.20	111	113	41
North Carolina	22,204	21,373	7.7	7.3	1,642	1,609	.57	.55	74	75	29
South Carolina [2]	25,433	25,026	13.8	13.4							8
Georgia	30,447	30,400	9.6	9.5	2,230	2,174	.70	.68	73	72	31
Florida	21,222	18,032	15.6	12.8	4,011	3,516	2.94	2.49	189	195	19
East South Central	123,140	121,353	13.2	12.9	15,119	16,419	1.72	1.74	131	135	37
Kentucky	30,231	29,065	11.9	11.4	4,614	4,610	1.82	1.81	153	159	13
Tennessee	33,613	33,672	13.5	13.5	4,378	4,965	1.96	1.99	145	148	10
Alabama	29,655	28,853	11.6	11.2	3,734	3,817	1.46	1.48	126	132	11
Mississippi	29,641	30,263	16.6	16.9	2,893	3,007	1.62	1.68	98	99	3
West South Central	149,355	150,724	12.8	12.8	31,066	32,248	2.67	2.73	208	214	348
Arkansas	26,716	27,485	13.9	14.1	4,409	4,498	2.29	2.31	165	164	8
Louisiana	19,941	18,427	10.3	9.4	1,725	1,913	.89	.98	87	104	13
Oklahoma	28,656	28,472	12.0	11.7	7,642	7,762	3.21	3.20	267	273	172
Texas	74,042	76,340	13.7	13.9	17,290	18,073	3.20	3.29	234	237	155
Mountain	41,466	45,607	10.3	11.7	9,754	10,912	2.43	2.79	235	239	226
Montana	5,356	5,794	9.8	10.6	1,316	1,376	2.40	2.51	246	237	27
Idaho	4,501	4,636	8.4	8.5	973	1,032	1.82	1.89	216	223	25
Wyoming	1,818	1,808	7.5	7.3	627	748	2.60	3.03	345	414	8
Colorado	11,969	12,065	11.1	11.1	2,370	2,362	2.21	2.17	198	196	61
New Mexico	4,748	4,892	12.1	12.4	646	715	1.65	1.81	136	146	12
Arizona	4,959	6,400	10.8	13.5	886	1,062	1.93	2.24	179	166	19
Utah	5,717	5,344	11.0	11.0	981	1,022	1.88	1.92	172	175	31
Nevada	2,398	4,168	31.0	53.8	1,953	2,595	25.23	33.52	814	623	43
Pacific	78,650	79,403	11.6	10.4	21,529	22,038	3.13	3.13	270	300	1,528
Washington	18,801	18,833	12.0	11.9	4,277	4,554	2.74	2.87	227	242	58
Oregon	7,362	7,625	8.3	8.5	3,117	3,053	3.50	3.38	423	400	29
California	53,487	46,945	12.1	10.3	14,135	14,431	3.19	3.17	264	307	1,441

[1] Based on estimated population for the given year.
[2] No divorces are granted in South Carolina.

Source: Bureau of the Census, Department of Commerce.

4. IMMIGRATION AND EMIGRATION

In compiling immigration statistics for the United States, Alaska, Hawaii, and Porto Rico, beginning 1904, 1901, and 1902, respectively, were included. In prior years the transfer of population between them and the United States was considered immigration

No. 100.—IMMIGRATION: 1821 TO 1929

NOTE.—For 1821 to 1855 the figures represent alien passengers arriving; for 1856 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted; for periods they are totals, not annual averages

Period or year	Number	Year	Number	Year	Number	Year	Number
1821–1830 [1]	143, 439	1875	227, 498	1895	258, 536	1915	326, 700
1831–1840 [2]	599, 125	1876	169, 986	1896	343, 267	1916	298, 826
1841–1850 [3]	1, 713, 251	1877	141, 857	1897	230, 832	1917	295, 403
1851–1860 [4]	2, 511, 060	1878	138, 469	1898	229, 299	1918	110, 618
1861–1870	2, 377, 279	1879	177, 826	1899	311, 715	1919	141, 132
1871–1880	2, 812, 191	1880	457, 257	1900	448, 572	1920	430, 001
1881–1890	5, 246, 613	1881	669, 431	1901	487, 918	1921	805, 228
1891–1900	3, 687, 564	1882	788, 992	1902	648, 743	1922	309, 556
1901–1910	8, 795, 386	1883	603, 322	1903	857, 046	1923	522, 919
1911–1920	5, 735, 811	1884	518, 592	1904	812, 870	1924	706, 896
1900–1904	3, 255, 149	1885	395, 346	1905	1, 026, 499	1925	294, 314
1905–1909	4, 947, 239	1886	334, 203	1906	1, 100, 735	1926	304, 488
1910–1914	5, 174, 701	1887	490, 109	1907	1, 285, 349	1927	335, 175
1915–1919	1, 172, 679	1888	546, 889	1908	782, 870	1928	307, 255
1920–1924	2, 774, 600	1889	444, 427	1909	751, 786	1929	279, 678
1925–1929	1, 520, 910						
		1890	455, 302	1910	1, 041, 570	Calendar years:	
1871	321, 350	1891	560, 319	1911	878, 587		
1872	404, 806	1892	579, 663	1912	838, 172	1927	323, 885
1873	459, 803	1893	439, 730	1913	1, 197, 892	1928	200, 207
1874	313, 339	1894	285, 631	1914	1, 218, 480	1929	268, 941

[1] Oct. 1, 1820, to Sept. 30, 1830.
[2] Oct. 1, 1830, to Dec. 31, 1840.
[3] Jan. 1, 1841, to Dec. 31, 1850.
[4] Jan. 1, 1851, to June 30, 1860.

No. 101.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30:								
1910–1914, total.	5, 174, 701	901, 099	6, 075, 800	1, 442, 892	1, 316, 762	2, 759, 654	3, 731, 809	3, 316, 146
1915–1919, total.	1, 172, 679	440, 064	1, 612, 743	618, 223	562, 636	1, 180, 859	554, 456	431, 884
1920–1924, total.	2, 774, 600	810, 352	3, 584, 952	892, 984	723, 824	1, 616, 808	1, 881, 616	1, 968, 144
1925–1929, total.	1, 520, 910	951, 590	2, 472, 500	389, 746	843, 861	1, 233, 607	1, 131, 164	1, 238, 893
1910	1, 041, 570	156, 467	1, 198, 037	202, 436	177, 982	380, 418	839, 134	817, 619
1911	878, 587	151, 713	1, 030, 300	295, 666	222, 549	518, 215	582, 921	512, 085
1912	838, 172	178, 083	1, 017, 155	333, 262	282, 030	615, 292	504, 910	401, 863
1913	1, 197, 892	229, 335	1, 427, 227	308, 190	303, 734	611, 924	889, 702	815, 303
1914	1, 218, 480	184, 601	1, 403, 081	303, 338	330, 467	633, 805	915, 142	769, 276
1915	326, 700	107, 544	434, 244	204, 074	180, 100	384, 174	122, 626	50, 070
1916	298, 826	67, 922	366, 748	129, 765	111, 042	240, 807	169, 061	125, 941
1917	295, 403	67, 474	362, 877	66, 277	80, 102	146, 379	229, 126	216, 498
1918	110, 618	101, 235	211, 853	94, 585	98, 683	193, 268	16, 033	18, 585
1919	141, 132	95, 889	237, 021	123, 522	92, 709	216, 231	17, 610	20, 790
1920	430, 001	191, 575	621, 576	288, 315	139, 747	428, 062	141, 686	193, 514
1921	805, 228	172, 935	978, 163	247, 718	178, 313	426, 031	557, 510	552, 132
1922	309, 556	122, 949	432, 505	198, 712	146, 672	345, 384	110, 844	87, 121
1923	522, 919	150, 487	673, 406	81, 450	119, 136	200, 586	441, 469	472, 820
1924	706, 896	172, 466	879, 302	76, 789	139, 956	216, 745	630, 107	662, 557
1925	294, 314	164, 121	458, 435	92, 728	132, 762	225, 490	201, 586	232, 945
1926	304, 488	191, 618	496, 106	76, 992	150, 763	227, 755	227, 496	268, 351
1927	335, 175	202, 826	538, 001	73, 366	180, 142	253, 508	261, 809	284, 493
1928	307, 255	193, 376	500, 631	77, 457	196, 899	274, 356	229, 798	226, 275
1929	279, 678	199, 649	479, 327	69, 203	183, 295	252, 498	210, 475	226, 829
Dec. 31:								
1927	323, 885	197, 010	520, 895	75, 122	193, 750	268, 872	248, 763	252, 023
1928	290, 297	197, 385	487, 682	77, 599	194, 509	272, 108	212, 698	215, 574
1929	268, 941	204, 786	473, 727	53, 173	198, 442	251, 615	215, 768	222, 112

Source of Tables 100 and 101: Commissioner General of Immigration, Department of Labor.

No. 102.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30

Period or year	Admitted	Debarred	Deported	Year	Admitted	Debarred	Deported
1900–1904, total	3,255,149	29,499	2,510	1919	141,132	8,626	3,068
1905–1909, total	4,947,299	58,588	6,709	1920	430,001	11,795	2,762
				1921	805,228	13,779	4,517
1910	1,041,570	24,270	2,695	1922	309,556	13,731	4,345
1911	878,587	22,349	2,788	1923	522,919	20,619	3,661
1912	838,172	16,057	2,456	1924	706,896	30,284	6,409
1913	1,197,892	19,938	3,461	1925	294,314	25,300	9,495
1914	1,218,480	33,041	4,010	1926	304,488	20,550	10,904
1915	326,700	24,111	2,564	1927	335,175	19,755	11,662
1916	298,826	18,867	2,781	1928	307,255	18,839	11,625
1917	295,403	16,028	1,853	1929	279,678	18,127	12,908
1918	110,618	7,297	1,509				

No. 103.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30

	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1927	1928	1929
Reporting occupations—							
Professional	62,124	41,308	79,309	53,963	11,542	10,931	10,138
Skilled	747,794	198,985	510,236	280,107	61,733	58,928	51,341
Unskilled	2,882,435	417,805	954,418	505,119	121,285	99,621	88,127
Farmers	56,788	27,638	74,973	51,001	10,324	8,773	8,309
Farm laborers	1,257,060	82,251	111,583	101,120	23,098	24,161	19,849
Common laborers	953,421	188,192	466,575	194,587	53,850	36,218	26,192
Servants	604,967	115,010	288,109	149,447	31,344	28,751	31,841
Other unskilled	10,199	4,714	13,178	8,964	2,069	1,718	1,936
Commercial [1]	72,672	35,926	59,924	27,535	6,116	4,965	4,734
Miscellaneous	55,279	49,254	95,895	50,198	8,933	7,718	5,644
Bringing—							
Less than $50	3,222,314	480,500	954,147	549,474	126,504	113,614	94,943
$50 or more	674,931	378,449	822,386	598,087	131,446	119,501	115,434
Amount brought ($1,000)	171,406	84,870	171,467	111,743	21,821	20,954	21,428
Passage paid by—							
Self	3,460,555	708,655	1,569,835	863,541	200,038	181,043	158,276
Relative	1,657,869	429,701	1,123,827	632,616	130,813	120,367	117,592
Others	56,277	34,323	80,938	24,753	4,324	5,845	3,810
Going to join—							
Relative	4,169,633	758,897	2,132,479	1,140,502	246,791	222,305	216,839
Friend	706,468	173,946	277,995	146,595	30,867	31,000	28,490
No one	298,600	239,836	364,126	233,813	57,517	53,950	34,349

[1] Agents, bankers, hotel keepers, manufacturers, and merchants and dealers.

No. 104.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30

	1900–1909, total	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1927	1928	1929
Admissions, total	8,202,388	5,174,701	1,172,679	2,774,600	1,520,910	335,175	307,255	279,678
Males	5,710,052	3,442,917	688,881	1,577,496	836,091	194,163	165,977	142,132
Females	2,492,336	1,731,784	483,798	1,197,104	684,819	141,012	141,278	137,546
Males per 1,000 females	2,291	1,988	1,424	1,318	1,221	1,377	1,176	1,033
Under 16 years [1]	902,656	657,825	195,241	516,293	247,373	51,689	49,080	47,035
16 to 44 years [1]	6,803,052	4,229,546	853,348	2,003,466	1,135,903	254,574	230,832	207,990
45 years and over	406,680	287,330	124,090	254,841	137,634	28,912	26,743	23,753
Illiterates, number [2]	1,924,786	1,143,266	116,749	75,231	20,556	5,513	5,916	4,393
Per cent	23.5	22.1	10.0	2.7	1.4	1.6	1.9	1.6
Departures, total [3]		1,442,892	618,223	892,984	389,746	73,366	77,457	69,203
Males		1,163,750	495,643	682,170	278,709	51,536	54,786	46,533
Females		279,142	122,580	210,814	111,037	21,830	22,671	22,670
Males per 1,000 females		4,169	4,043	3,236	2,510	2,361	2,417	2,053
Under 16 years [1]		69,018	38,883	39,280	18,493	2,986	3,500	4,240
16 to 44 years [1]		1,217,753	488,282	635,980	285,080	54,217	56,118	48,056
45 years and over		156,121	91,058	217,724	85,573	16,163	17,839	16,001

[1] Prior to 1918 the division point is 14 years.
[2] Unable to read or write in any language.
[3] Not available prior to 1908.

Source of Tables 102, 103, and 104: Commissioner General of Immigration, Department of Labor.

No. 105.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 1841 TO 1929

NOTE.—For 1841 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; thereafter, immigrant aliens admitted. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. Countries added to the list since the beginning of the World War were theretofore included with the countries to which they belonged. Data are *totals* (not annual averages) for periods ended June 30 since 1870, Dec. 31 theretofore, except as noted

Country	1841–1850	1851–1860	1861–1870[1]	1871–1880	1881–1890	1891–1900	1901–1910	1911–1920	1921–1929
Grand total	1,713,251	2,598,214	2,314,824	2,812,191	5,246,613	3,687,564	8,795,386	5,735,811	3,865,509
Total Europe	1,597,501	2,452,660	2,065,270	2,272,262	4,737,046	3,558,978	8,136,016	4,376,564	2,330,415
Austria			7,800	72,969	353,719	592,707	2,145,266	453,649	31,124
Hungary								442,693	29,415
Belgium	5,074	4,738	6,734	7,221	20,177	18,167	41,635	33,746	14,937
Bulgaria [2]						160	39,280	22,533	2,734
Czechoslovakia								3,426	97,756
Denmark	539	3,749	17,094	31,771	88,132	50,231	65,285	41,983	31,269
Finland								756	16,166
France	77,262	76,358	35,986	72,206	50,464	30,770	73,379	61,897	45,897
Germany	434,626	951,667	787,468	718,182	1,452,970	505,152	341,498	143,945	385,633
Greece	16	31	72	210	2,308	15,979	167,519	184,201	48,793
Italy	1,870	9,231	11,725	55,759	307,309	651,893	2,045,877	1,109,524	432,988
Netherlands	8,251	10,789	9,102	16,541	53,701	26,758	48,262	43,718	24,210
Norway				95,323	176,586	95,015	190,505	66,395	65,882
Sweden	13,903	20,931	109,298	115,922	391,776	226,266	249,534	95,074	94,140
Poland [3]	105	1,164	2,027	12,970	51,806	96,720		4,813	218,503
Rumania				11	6,348	12,750	53,008	13,311	65,920
Russia	551	457	2,512	39,284	213,282	505,290	1,597,306	921,201	60,609
Spain	2,209	9,298	6,697	5,266	4,419	8,731	27,935	68,611	28,288
Portugal	550	1,055	2,658	14,082	16,978	27,508	69,149	89,732	29,357
Switzerland	4,644	25,011	23,236	28,293	31,988	31,179	34,922	23,091	27,987
Turkey in Europe	59	83	129	337	1,562	3,626	79,976	54,677	14,437
United Kingdom	1,047,763	1,338,093	1,042,674	984,914	1,402,839	659,954	865,015	487,589	[4] 496,344
England	32,092	247,125	222,277	437,706	644,680	216,726	388,017	249,944	144,536
Ireland	780,719	914,119	435,778	436,871	655,482	388,416	339,065	146,181	197,146
Scotland	3,712	38,331	38,769	87,564	149,869	44,188	120,469	78,357	143,089
Wales	1,261	6,319	4,313	6,631	12,640	10,557	17,464	13,107	11,573
Not specified	229,979	132,199	341,537	16,142	168	67			
Yugoslavia								1,883	47,327
Other Europe	79	5	8	1,001	682	122	665	8,111	20,699
Total Asia [5]	82	41,455	64,630	123,823	69,380	71,236	243,567	192,559	92,865
China [5]	35	41,397	64,301	123,201	61,711	14,799	20,605	21,278	28,318
Japan [5]			186	149	2,270	25,942	129,797	83,837	32,625
Turkey in Asia [6]			2	67	2,220	26,799	77,393	79,389	18,971
Other Asia [5]	47	58	141	406	2,179	3,696	15,772	8,055	12,951
Total America [7]	62,469	74,720	166,607	404,044	426,967	38,972	361,888	1,143,671	1,428,612
Canada and Newfoundland [7]	41,723	59,309	153,878	383,640	393,304	3,311	179,226	742,185	859,261
Mexico [7]	3,271	3,078	2,191	5,162	1,913	971	49,642	219,004	446,584
Central America [8]	368	449	95	157	404	549	8,192	17,159	14,151
South America [8]	3,579	1,224	1,397	1,128	2,304	1,075	17,280	41,899	38,913
West Indies [6]	13,528	10,660	9,046	13,957	29,042	33,066	107,548	123,424	69,674
Other America									20
Africa [6]	55	210	312	358	857	350	7,368	8,443	5,714
Australia, Tasmania and New Zealand			30	9,886	7,017	2,740	11,975	12,348	7,273
Pacific Islands (not specified)				1,028	5,557	1,225	1,049	1,079	402
All other countries	53,144	29,169	17,969	790	789	14,063	38,523	1,147	228

[1] Jan. 1, 1861, to June 30, 1870.
[2] Includes Serbia and Montenegro, prior to 1920.
[3] From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia.
[4] Includes Irish Free State.
[5] Included in "All other countries" in 1892.
[6] Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.
[7] Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.
[8] Included in "All other countries" in 1892 and 1893.

Source: Reports of the Commissioner General of Immigration, Department of Labor.

No. 106.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Residence for a year or more is regarded as permanent residence. Excess of departures

Country	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
All countries, total.	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
Europe, total	4,524,189	1,176,037	3,348,152	1,787,303	758,619	1,028,684	729,407	294,972	494,435
Albania				[1] 250	[1] 284	—34	1,072	1,062	10
Austria	575,852	181,494	394,358	25,842	4,716	21,126	5,550	2,447	3,103
Hungary	553,801	174,362	379,439	25,262	32,110	—6,848	4,237	4,268	—31
Belgium	28,450	4,727	23,723	17,936	5,668	12,268	3,575	2,465	1,120
Bulgaria	24,821	20,514	4,307	1,914	7,559	—5,645	910	614	296
Czechoslovakia				84,245	38,087	46,158	10,937	11,059	5,878
Denmark	33,470	2,804	30,666	21,910	4,110	17,800	12,496	2,815	9,681
Estonia				[1] 765	[1] 11	[1] 754	679	81	598
Finland				14,624	5,794	8,830	2,298	2,570	—272
France	43,004	17,003	26,001	33,484	12,816	20,668	21,358	7,677	13,681
Germany	161,195	27,938	133,257	149,103	15,401	133,702	237,531	25,277	212,254
Greece	132,212	70,708	61,504	52,144	51,481	663	8,630	19,065	—10,435
Irish Free State [2]							120,188	5,388	114,800
Italy	1,104,833	405,729	699,110	460,644	236,985	223,659	67,489	94,525	—27,036
Latvia				[1] 1,473	[1] 67	[1] 1,406	1,556	202	1,354
Lithuania				[1] 2,369	[1] 335	[1] 2,034	3,034	1,809	1,225
Netherlands	35,734	2,777	32,957	20,603	3,553	17,050	8,794	2,558	6,236
Norway	57,079	9,245	47,834	40,891	8,756	32,135	29,436	8,287	21,149
Poland				183,881	102,376	81,505	39,435	14,596	24,839
Portugal	51,902	8,477	43,425	41,779	21,749	20,021	3,059	12,150	—9,091
Rumania	12,851	2,331	10,520	61,083	36,803	24,220	6,727	5,805	922
Russia	1,054,608	153,470	901,138	54,692	26,575	28,117	6,912	1,699	5,213
Spain	28,631	8,723	19,908	45,077	20,124	24,953	2,032	11,767	—9,735
Sweden	89,215	9,340	79,875	57,883	9,934	47,949	42,119	5,645	36,474
Switzerland	18,811	2,817	15,994	21,480	3,825	17,655	10,292	2,853	7,439
Turkey in Europe	69,651	19,939	49,712	15,208	2,671	12,537	1,162	203	959
United Kingdom [3]	445,940	53,556	392,386	301,471	48,307	253,164	122,747	37,613	85,134
England	218,767	20,939	188,828	122,576	32,238	90,337	49,832	28,093	21,139
Ireland	137,410	13,346	124,064	81,450	10,472	70,984	5,093	811	4,282
Scotland	78,391	9,465	68,926	90,809	5,122	85,687	61,627	7,880	53,747
Wales	11,372	805	10,567	6,631	475	6,156	6,195	229	5,966
Yugoslavia				43,487	55,296	—11,809	5,728	10,182	—4,454
Other Europe	2,109	90	2,019	7,812	3,166	4,646	3,424	300	3,124
Asia, total	132,041	32,749	99,292	92,572	49,678	42,894	17,798	27,478	—9,680
China	9,800	12,157	—2,357	22,723	22,477	246	7,925	18,570	—10,645
Japan	30,504	10,692	19,872	58,636	18,616	20,020	3,421	5,655	—2,234
India	2,795	747	2,048	1,611	1,044	567	465	674	—209
Syria, Palestine, and Iraq.				[1] 2,946	[1] 492	[1] 2,454	4,530	1,725	2,805
Turkey in Asia	88,900	8,560	75,340	23,769	6,980	16,789	235	440	—205
Other Asia	4,982	593	4,389	2,887	669	2,218	1,222	414	808
America, total	508,682	229,928	276,754	883,989	81,042	802,947	706,218	64,293	643,926
Canada and Newfoundland.	320,316	195,872	133,444	526,853	22,980	503,873	422,433	13,655	408,778
Central America	6,423	1,984	4,439	8,859	3,377	5,482	7,652	3,442	4,210
Mexico	88,358	4,146	84,212	255,774	23,182	232,592	243,171	20,261	222,910
South America	18,306	6,318	11,988	25,802	7,331	18,471	17,223	7,419	9,804
West Indies	64,023	21,427	42,596	65,771	24,068	41,703	17,711	19,515	—1,804
Other America	256	181	76	930	104	826	29	1	28
Africa	5,985	1,161	4,824	3,917	672	3,245	2,445	701	1,744
Australia, Tasmania, New Zealand.	5,341	2,854	2,487	6,458	2,804	3,654	2,881	2,188	693
Pacific Islands, not specified.	483	63	320	361	169	192	160	114	46

[1] Figures for 1924 only. Data for prior years included with countries to which they formerly belonged.
[2] Included with United Kingdom prior to 1925.

DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

indicated by minus sign (—). For totals for period 1915–1919, see Statiscial Abstract, 1929, p. 96

Fiscal year ended June 30—						Calendar year				Country
1927		1928		1929		1928		1929		
Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	
335, 175	73, 366	307, 255	77, 457	279, 678	69, 203	290, 297	77, 599	268, 941	58, 173	**All countries, total.**
168, 368	55, 402	158, 513	57, 185	156, 598	47, 281	158, 566	56, 586	157, 949	31, 490	**Europe, total.**
243	237	263	90	329	87	308	92	330	47	Albania.
1, 016	468	1, 277	580	1, 256	446	1, 237	524	1, 506	356	Austria.
813	841	857	920	1, 045	761	954	927	1, 162	606	Hungary.
764	482	698	485	669	538	692	560	692	404	Belgium.
222	130	158	110	215	78	210	82	209	76	Bulgaria.
3, 540	2, 276	3, 571	2, 070	4, 411	1, 689	3, 978	2, 047	4, 684	1, 284	Czechoslovakia.
2, 505	536	2, 473	540	2, 525	486	2, 464	594	2, 060	291	Denmark.
139	14	136	11	141	36	138	34	111	22	Estonia.
438	536	473	585	416	466	460	608	429	253	Finland.
4, 405	1, 637	4, 438	2, 030	4, 428	1, 794	4, 445	1, 957	4, 115	1, 841	France.
48, 513	4, 748	45, 778	6, 545	46, 751	6, 330	45, 294	7, 549	38, 795	5, 300	Germany.
2, 089	3, 130	2, 328	2, 461	2, 266	1, 736	2, 390	2, 364	2, 289	775	Greece.
28, 054	1, 049	24, 544	1, 115	17, 672	1, 452	21, 414	1, 345	18, 028	1, 163	Irish Free State.
17, 297	17, 759	17, 728	17, 324	18, 008	12, 311	18, 016	15, 047	21, 381	4, 812	Italy.
403	21	268	55	334	39	333	58	348	33	Latvia.
770	314	531	319	625	257	549	340	655	153	Lithuania.
1, 733	456	1, 843	514	1, 742	466	1, 788	560	2, 107	440	Netherlands.
6, 068	1, 786	5, 660	1, 686	5, 977	963	5, 793	1, 378	4, 644	865	Norway.
9, 211	2, 630	8, 755	3, 071	9, 002	2, 273	8, 426	2, 756	9, 407	1, 806	Poland.
567	2, 347	584	1, 358	623	1, 919	516	2, 344	688	484	Portugal.
1, 270	1, 248	1, 376	1, 002	1, 707	718	1, 568	887	1, 790	576	Rumania.
1, 183	239	1, 254	426	934	314	1, 183	452	929	257	Russia.
429	2, 178	455	1, 983	547	1, 159	479	1, 587	658	986	Spain.
8, 287	1, 115	8, 051	1, 282	8, 877	975	8, 208	1, 329	6, 540	895	Sweden.
2, 121	594	1, 994	726	2, 140	580	2, 162	699	1, 864	509	Switzerland.
216	24	242	38	231	11	180	16	274	11	Turk. in Europe.
24, 160	6, 644	20, 682	7, 761	23, 576	7, 806	21, 194	8, 644	29, 858	5, 896	U. Kingdom.[3]
9, 990	4, 994	7, 338	6, 039	8, 008	6, 058	7, 230	6, 708	10, 565	4, 212	England.
491	165	724	185	2, 249	41	1, 578	200	3, 319	264	Ireland.
12, 611	1, 441	11, 085	1, 498	11, 892	1, 651	11, 057	1, 693	14, 205	1, 335	Scotland.
1, 068	44	1, 535	39	1, 427	56	1, 329	43	1, 769	85	Wales.
1, 190	1, 911	1, 386	1, 941	1, 360	1, 524	1, 418	1, 740	1, 620	1, 257	Yugoslavia.
722	82	720	57	782	67	769	66	716	92	Other Europe.
3, 669	6, 007	3, 380	6, 073	3, 758	5, 056	3, 541	5, 485	4, 205	4, 301	**Asia, total.**
1, 471	4, 179	1, 320	4, 364	1, 446	3, 620	1, 332	3, 824	1, 577	3, 139	China.
723	1, 205	550	1, 085	771	945	678	1, 039	815	881	Japan.
102	126	102	156	103	151	100	139	101	123	India.
1, 054	327	1, 053	322	1, 069	216	1, 082	356	1, 200	76	Syria, Palestine, and Iraq.
60	74	59	61	57	47	62	60	80	19	Turkey in Asia.
259	96	291	85	312	71	287	67	432	63	Other Asia.
161, 872	11, 303	144, 281	13, 620	116, 177	16, 324	129, 071	14, 899	105, 446	16, 874	**America, total.**
84, 580	2, 440	75, 281	3, 061	66, 451	3, 118	65, 551	2, 866	71, 007	3, 294	Canada and Newfoundland.
1, 771	721	1, 751	758	1, 557	736	1, 542	739	1, 714	811	Central America.
67, 721	2, 957	59, 016	3, 957	40, 154	7, 195	54, 276	5, 349	23, 723	7, 823	Mexico.
3, 777	1, 453	4, 166	1, 600	3, 703	1, 610	3, 822	1, 677	3, 575	1, 625	South America.
4, 019	3, 732	4, 058	4, 244	4, 306	3, 665	3, 879	4, 208	5, 419	3, 320	West Indies.
4	-------	9	-------	6	-------	1	-------	8	1	Other America.
520	112	475	141	509	168	489	185	552	144	Africa.
712	508	578	425	619	361	610	428	769	347	Australia, Tasmania, New Zealand.
34	34	28	13	17	13	20	16	20	17	Pacific Islands, not specified.

[3] Figures include Irish Free State prior to 1925; beginning 1925 figures shown under Ireland are for Northern Ireland only.

Source: Commissioner General of Immigration, Department of Labor.

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No. 107.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DE

NOTE.—Excess of departures indicated by minus sign (−). For percentage distribution of

Race or people	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
Total	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
African (black)	33,527	6,603	26,924	43,092	8,239	34,853	4,850	4,043	807
Armenian	30,960	4,164	26,796	20,559	1,571	18,988	4,291	314	3,977
Bohemian and Moravian (Czech)	47,143	5,182	41,961	17,650	8,072	9,578	9,408	7,955	1,453
Bulgarian, Serbian, Montenegrin	60,180	35,846	24,334	14,509	43,069	−28,560	2,766	7,751	−4,986
Chinese	9,061	11,957	−2,896	19,374	21,884	−2,510	6,149	18,049	−11,900
Croatian and Slovenian	162,893	59,480	103,213	23,011	15,398	8,213	4,040	2,320	1,726
Cuban	17,038	7,964	9,074	6,490	5,278	1,212	8,506	6,002	2,504
Dalmatian, Bosnian, Herzegovinian	22,652	4,021	18,631	2,166	3,375	−1,209	409	2,100	−1,691
Dutch and Flemish	64,882	9,097	55,785	42,936	9,820	33,116	15,299	5,421	9,878
East Indian	2,824	675	2,149	1,046	779	267	240	416	−760
English	267,713	48,262	219,451	297,885	47,433	250,452	198,394	42,232	156,162
Finnish	57,717	15,637	42,080	15,311	6,037	9,274	3,045	2,747	298
French	96,439	18,567	77,872	148,132	17,527	130,605	99,710	7,835	91,875
German	303,930	67,420	236,510	223,894	20,712	203,182	279,265	29,845	249,420
Greek	192,247	76,093	116,154	59,076	51,833	7,243	10,883	19,305	−8,422
Hebrew	495,459	33,031	462,428	286,560	2,344	284,216	56,160	1,208	54,952
Irish	183,471	19,005	164,466	149,781	12,747	137,034	198,977	7,397	191,580
Italian (north)	174,871	64,304	110,567	67,105	32,296	34,809	11,191	15,298	−4,107
Italian (south)	971,366	352,486	618,880	401,834	205,941	195,893	61,831	79,690	−17,859
Japanese	30,788	10,756	20,032	37,304	17,907	19,397	3,178	5,505	−2,327
Korean	276	320	−44	447	179	268	196	181	15
Lithuanian	100,050	17,181	82,869	6,672	11,322	−4,650	2,006	1,918	88
Magyar	146,045	72,833	73,212	30,034	33,460	−3,426	5,464	4,883	581
Mexican	82,588	3,434	79,154	249,248	22,058	227,190	238,527	19,852	218,675
Pacific Islander	88	12	76	63	16	47	19	21	−2
Polish	581,979	145,735	436,244	62,603	99,471	−36,868	18,347	14,603	3,744
Portuguese	47,742	7,472	40,270	42,591	22,241	20,350	4,053	12,396	−8,343
Rumanian	65,360	19,881	45,479	11,467	36,495	−25,028	2,160	5,443	−3,283
Russian	155,002	51,904	103,098	21,628	17,472	4,156	6,013	3,168	2,845
Ruthenian	134,911	21,454	113,457	5,438	1,687	3,751	2,560	245	2,315
Scandinavian (Norwegians, Danes, and Swedes)	204,287	40,812	163,475	137,719	25,205	112,514	96,891	18,190	78,701
Scotch	110,820	16,572	94,248	161,379	8,673	152,706	125,448	10,342	115,106
Slovak	132,165	58,983	73,182	56,625	33,506	23,119	6,811	3,361	3,450
Spanish	43,081	13,805	29,276	60,110	24,810	35,300	4,269	14,557	−10,288
Spanish-American	6,302	2,103	4,199	13,760	6,430	7,330	14,802	7,993	6,809
Syrian	35,519	5,219	30,300	12,288	5,737	6,551	2,867	1,250	1,617
Turkish	8,245	6,244	2,001	1,125	2,746	−1,621	666	697	−31
Welsh	12,109	1,444	10,665	8,423	659	7,764	7,163	422	6,741
West Indian (other than Cuban)	5,990	2,523	3,467	7,753	3,418	4,335	1,853	3,406	−1,553
Other peoples	17,181	5,369	−87,230	6,912	5,137	1,775	2,197	1,295	902
Not specified		99,042							

Source: Commissioner General of Immigration, Department of Labor.

PARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: BY RACE

immigrants see Table 108. For totals for period 1915-1919, see Statistical Abstract 1929, p. 98.

Fiscal year ended June 30—						Calendar year				Race or people
1927		1928		1929		1928		1929		
Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	
335,175	73,366	307,255	77,457	279,678	69,203	290,297	77,599	235,941	53,173	Total.
955	870	958	789	1,254	425	1,106	592	1,519	648	African (black).
983	51	1,062	47	929	26	1,004	37	755	242	Armenian.
2,406	1,724	1,248	1,327	1,427	1,308	1,313	1,564	1,152	465	Bohemian and Moravian (Czech).
600	1,592	531	1,396	685	1,341	570	1,419	823	922	Bulgarian, Serbian, and Montenegrin.
1,051	4,117	931	4,300	1,071	3,496	1,027	3,730	1,037	3,032	Chinese.
821	251	938	534	1,075	176	1,162	291	1,125	201	Croatian and Slovenian.
1,919	980	2,058	1,282	2,141	1,166	1,888	1,272	2,588	1,150	Cuban.
69	380	95	361	119	347	112	492	107	149	Dalmatian, Bosnian, and Herzegovinian.
3,125	1,005	2,880	1,084	2,949	1,101	2,799	1,226	3,702	893	Dutch and Flemish.
51	83	38	106	56	67	51	55	50	69	East Indian.
40,165	7,449	33,597	8,780	29,846	9,960	29,521	10,437	34,196	6,956	English.
629	577	544	647	509	487	518	657	451	270	Finnish.
19,313	1,761	17,963	1,915	16,957	1,621	15,671	1,754	17,591	1,827	French.
56,587	5,515	54,157	8,086	55,631	7,383	53,906	8,746	47,439	6,416	German.
2,557	3,140	2,848	2,525	3,025	1,793	3,005	2,409	3,482	834	Greek.
11,483	224	11,639	253	12,479	189	11,598	215	12,883	259	Hebrew.
44,726	1,432	38,193	1,649	30,922	1,659	34,031	1,742	32,975	1,753	Irish.
2,037	2,209	2,653	1,626	2,631	3,826	2,728	3,907	2,792	1,188	Italian (north).
15,892	15,027	16,087	15,834	16,452	8,610	16,297	11,254	19,570	3,841	Italian (south).
660	1,148	522	1,055	710	931	629	1,035	766	839	Japanese.
47	52	22	39	49	32	39	30	35	42	Korean.
549	331	326	351	409	270	357	355	428	186	Lithuanian.
1,049	946	1,112	1,024	1,342	820	1,268	1,004	1,453	714	Magyar.
66,766	2,774	57,765	3,873	38,980	7,172	53,080	5,334	22,717	7,774	Mexican.
8	7	2	3	4	3	6	3		7	Pacific Islander.
4,249	2,725	4,238	3,046	3,507	2,316	3,848	2,794	3,771	1,768	Polish.
843	2,363	844	1,430	853	1,961	798	2,401	873	566	Portuguese.
422	1,201	443	908	585	689	485	840	580	516	Rumanian.
1,249	510	1,249	642	1,352	548	1,255	667	1,586	487	Russian.
445	19	411	59	532	26	496	30	596	22	Ruthenian.
19,235	3,678	18,664	3,767	19,428	2,746	18,742	3,611	15,026	2,345	Scandinavian (Norwegians, Danes, and Swedes).
25,544	1,930	23,177	2,268	21,926	1,677	21,542	1,829	25,186	1,866	Scotch.
1,017	693	2,197	746	2,443	437	2,180	519	3,100	740	Slovak.
1,065	2,781	1,018	2,578	899	1,565	849	1,997	1,153	1,434	Spanish.
3,185	1,792	3,490	1,720	3,259	1,755	3,287	1,868	3,408	1,654	Spanish-American.
984	203	613	232	632	135	641	218	645	68	Syrian.
112	166	143	116	127	61	124	76	159	35	Turkish.
1,300	65	1,723	85	1,659	115	1,566	80	2,153	155	Welsh.
381	754	394	785	380	761	327	906	567	667	West Indian (other than Cuban).
396	241	484	189	438	202	473	203	502	173	Other peoples.
										Not specified.

No. 108.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30

Race or people	1910–1914	1920–1924	1925–1929	1928	1929
Total	100.0	100.0	100.0	100.0	100.0
African (black)	.6	1.6	.3	.3	.4
Armenian	.6	.7	.3	.3	.3
Bohemian and Moravian (Czech)	.9	.6	.6	.4	.5
Bulgarian, Serbian, Montenegrin	1.2	.5	.2	.2	.2
Chinese	.2	.7	.4	.3	.4
Croatian and Slovenian	3.1	.9	.3	.3	.4
Cuban	.3	.2	.6	.7	.8
Dalmatian, Bosnian, Herzegovinian	.4	.1	(1)	(1)	(1)
Dutch and Flemish	1.3	1.5	1.0	.9	1.1
East Indian	.1	(1)	(1)	(1)	(1)
English	5.2	10.7	13.0	10.9	10.7
Finnish	1.1	.6	.2	.2	.2
French	1.9	5.3	6.6	5.8	6.1
German	7.0	8.1	18.4	17.6	19.9
Greek	3.7	2.1	.7	.9	1.1
Hebrew	9.6	10.3	3.7	3.8	4.5
Irish	3.5	5.4	13.1	12.4	11.1
Italian (north)	3.4	2.4	.7	.9	.9
Italian (south)	18.8	14.5	4.1	5.2	5.9
Japanese	.6	1.3	.2	.2	.3
Korean	(1)	(1)	(1)	(1)	(1)
Lithuanian	1.9	.2	.1	.1	.1
Magyar	2.8	1.1	.4	.4	.5
Mexican	1.6	9.0	15.7	18.8	13.9
Pacific Islander	(1)	(1)	(1)	(1)	(1)
Polish	11.2	2.3	1.2	1.4	1.3
Portuguese	.9	1.5	.3	.3	.3
Rumanian	1.3	.4	.1	.1	.2
Russian	3.0	.8	.4	.4	.5
Ruthenian	2.6	.2	.2	.1	.2
Scandinavian (Norwegians, Danes, Swedes)	3.9	5.0	6.4	6.1	6.9
Scotch	2.1	5.8	8.2	7.5	7.8
Slovak	2.6	2.0	.4	.7	.9
Spanish	.8	2.2	.3	.3	.3
Spanish-American	.1	.5	1.0	1.1	1.2
Syrian	.7	.4	.2	.2	.2
Turkish	.2	(1)	(1)	.1	(1)
Welsh	.2	.3	.5	.6	.6
West Indian (other than Cuban)	.1	.3	.1	.2	.1
Other peoples	.3	.2	.1	.2	.2

[1] Less than one-tenth of 1 per cent.

Source: Commissioner General of Immigration, Department of Labor.

No. 109.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED: BY RACE OR PEOPLE AND BY SEX, YEAR ENDED JUNE 30, 1929

NOTE.—For totals of both sexes combined, by race, see Table 107

Race or people	Admitted		Departed	
	Male	Female	Male	Female
Total	142,132	137,546	48,533	22,670
African (black)	563	691	186	239
Armenian	243	686	20	6
Bohemian and Moravian (Czech)	643	784	931	377
Bulgarian, Serbian, and Montenegrin	301	384	1,108	233
Chinese	800	271	3,279	217
Croatian and Slovenian	422	653	144	32
Cuban	1,586	555	738	428
Dalmatian, Bosnian, and Herzegovinian	41	78	213	134
Dutch and Flemish	1,614	1,335	654	447
East Indian	49	7	63	4
English	14,649	15,197	5,054	4,906
Finnish	219	290	280	207
French	9,319	7,638	814	807
German	27,640	27,991	4,079	3,304
Greek	854	2,171	1,518	275
Hebrew	5,157	7,322	125	64
Irish	14,969	15,953	877	782
Italian (north)	1,096	1,535	3,005	821
Italian (south)	5,874	10,578	7,244	1,366
Japanese	504	212	657	274
Korean	41	8	25	7
Lithuanian	125	284	169	101
Magyar	591	751	497	323
Mexican	24,798	14,152	4,650	2,522
Pacific Islander	2	2	2	1
Polish	1,689	1,818	1,680	636
Portuguese	450	403	1,645	316
Rumanian	221	364	450	239
Russian	530	822	385	163
Ruthenian (Russniak)	309	223	17	9
Scandinavian (Norwegians, Danes, and Swedes)	11,390	8,038	1,790	956
Scotch	10,299	11,627	872	805
Slovak	1,050	1,393	328	109
Spanish	464	435	1,293	272
Spanish-American	1,980	1,279	1,078	677
Syrian	245	387	85	50
Turkish	55	72	46	15
Welsh	965	694	70	45
West Indian (except Cuban)	181	199	310	451
Other peoples	204	234	152	50

Source: Commissioner General of Immigration, Department of Labor.

No. 110.—ALIENS ADMITTED: BY CLASSES UNDER IMMIGRATION ACT OF 1924 AND BY REGION OF BIRTH, YEARS ENDED JUNE 30

Class	All countries		Europe		Asia		Canada and Newfoundland	
	1928	1929	1928	1929	1928	1929	1928	1929
All classes, total	500,631	479,327	312,803	316,437	20,174	20,999	69,890	64,312
Nonimmigrants, total	99,692	99,974	55,877	56,573	9,806	10,315	10,115	10,429
Government officials, their families, attendants, etc	6,348	6,266	2,563	2,542	904	883	74	87
Temporary visitors	64,581	64,310	40,098	40,374	2,878	3,215	5,416	4,836
In transit through United States	27,257	27,776	12,678	13,128	5,150	5,155	4,618	5,502
To carry on trade under existing treaty	1,446	1,622	538	529	874	1,062	7	4
Nonquota immigrants, total	247,788	232,435	106,131	115,397	9,215	9,498	59,775	53,853
Husbands, wives, and children of United States citizens	25,761	30,313	24,320	28,033	1,261	1,345	2	4
Returning residents	94,502	101,007	78,705	84,478	7,227	7,263	2,572	2,068
Natives of nonquota countries and their wives and children	124,122	97,785	727	517	17	9	57,163	51,086
Professors and ministers and their wives and children	1,404	1,252	1,134	980	190	207	19	24
Students	1,816	1,898	1,086	1,006	520	674	15	8
Women who had been citizens of the United States		132		53				75
Veterans of the World War and their wives and children	104		104					
Spanish subjects admitted into Porto Rico	55	30	55	30				
American Indians born in Canada	4	18					4	18
Quota immigrants, total	153,231	146,918	150,795	144,167	1,153	1,186		

	Mexico		West Indies		Central and South America [1]		Other countries	
All classes, total	62,649	43,304	17,396	17,393	11,559	10,645	6,160	6,237
Nonimmigrants, total	3,500	2,864	10,028	9,376	5,418	5,516	4,890	4,901
Government officials, their families, attendants, etc	261	331	1,012	1,072	1,356	1,205	178	146
Temporary visitors	2,349	1,882	7,033	6,883	3,377	3,459	3,430	3,661
In transit through United States	890	651	1,975	1,406	678	846	1,268	1,088
To carry on trade under existing treaty			6	15	7	6	14	6
Nonquota immigrants, total	59,149	40,440	6,809	7,276	6,041	4,990	648	651
Husbands, wives, and children of United States citizens			98	209	17	25	63	97
Returning residents	693	939	3,886	4,230	991	1,010	428	419
Natives of nonquota countries and their wives and children	58,453	30,500	2,745	2,751	5,011	3,918	6	4
Professors and ministers and their wives and children	1	1	13	7	3	4	44	29
Students	2		67	75	19	33	107	102
Women who had been citizens of the United States				4				
Veterans of the World War and their wives and children								
American Indians born in Canada								
Quota immigrants, total			561	741	100	139	622	685

[1] Includes Greenland, Miquelon, and St. Pierre.

Source: Commissioner General of Immigration, Department of Labor.

No. 111.—IMMIGRATION QUOTAS AND ALIENS ADMITTED AND CHARGED TO QUOTAS: BY NATIONALITY, YEARS ENDED JUNE 30

NOTE.—Both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all, as shown by Table 110. Changes in quotas between 1923 and 1924 were necessitated by changes in boundaries and other adjustments. For national origin of the white population of United States and immigration quotas based thereon as provided in the immigration act of 1924, effective July 1, 1929, see Tables 115 and 117

Country or region	Under immigration act of 1921				Under immigration act of 1924				
	1923		1924			Number admitted			
	Quota	Number admitted	Quota	Number admitted	Quota[1]	1925–1928, total	1927	1928	1929
Total	357,803	335,480	357,803	357,642	164,667	761,682	158,070	153,231	146,918
Albania	288	288	288	288	100	449	99	100	85
Armenia (Russian)	230	230	230	230	124	450	123	98	114
Austria	7,451	7,358	7,342	7,342	785	3,889	815	786	764
Belgium	1,563	1,563	1,563	1,563	512	2,550	516	514	512
Bulgaria	302	295	302	302	100	488	102	100	100
Czechoslovakia	14,357	14,357	14,357	14,357	3,073	14,821	3,168	2,948	2,990
Danzig, Free City of	301	263	301	301	228	1,101	241	211	214
Denmark	5,619	5,226	5,619	5,619	2,789	13,118	2,621	2,558	2,704
Estonia	1,348	241	1,348	1,224	124	601	120	122	124
Finland	3,921	3,921	3,921	3,921	471	2,345	456	485	470
Fiume, Free State of	71	67	71	66					
France	5,729	5,034	5,729	5,729	3,954	18,031	3,942	3,683	3,689
Germany	67,607	49,258	67,607	67,607	51,227	248,442	49,702	47,883	48,976
United Kingdom[2]	77,342	77,342	77,342	77,342	34,007	156,797	31,090	32,053	32,007
Greece	3,294	3,294	3,063	3,063	100	492	98	103	100
Hungary (including Sopron District)	5,638	5,638	5,747	5,747	473	2,231	465	468	470
Iceland	75	59	75	43	100	300	73	59	62
Irish Free State					[3] 28,567	[3]131,135	29,097	27,093	10,343
Italy	42,057	42,057	42,057	42,057	3,845	17,917	3,826	3,820	3,795
Latvia	1,540	1,513	1,540	1,540	142	689	136	148	141
Lithuania (including Memel and a part of Pinsk region)	2,460	2,460	2,629	2,629	344	1,703	341	347	347
Luxemburg	92	92	92	92	100	485	99	93	100
Netherlands	3,607	3,607	3,607	3,607	1,648	7,871	1,566	1,588	1,577
Norway	12,202	12,202	12,202	12,202	6,453	30,544	6,123	6,944	6,068
Poland (including Eastern Galicia and part of Pinsk region)	31,146	29,730	30,977	30,977	5,982	20,057	5,972	6,129	5,697
Portugal (including Azores and Madeira Islands)	2,465	2,465	2,465	2,465	503	2,430	459	498	506
Rumania	7,419	7,419	7,419	7,419	603	2,987	597	603	591
Russia, European and Asiatic (excluding barred zone)	24,405	24,405	24,405	24,405	2,248	10,748	2,147	2,231	2,071
Spain (including Canary Islands)	912	912	912	912	131	641	128	134	126
Sweden	20,042	19,867	20,042	20,042	9,561	44,941	8,966	8,605	9,176
Switzerland	3,752	3,752	3,752	3,752	2,081	9,666	1,993	1,874	2,020
Yugoslavia	6,426	6,426	6,426	6,426	671	3,078	654	665	681
Palestine	57	57	57	57	100	451	99	100	98
Syria	928	928	882	882	100	473	96	100	98
Turkey (European and Asiatic)	2,388	2,388	2,654	2,654	100	479	97	100	100
Africa (other than Egypt)	122	122	104	104	1,100	652	149	145	138
Egypt			18	18	100	466	99	101	91
Australia	279	279	279	279	121	591	131	121	118
New Zealand and Pacific Islands	80	80	80	80	100	496	98	101	99
All others	288	285	289	289	1,900	2,412	572	523	567

[1] Quota for 1925 to 1929.
[2] Prior to 1925 figures include all Ireland; in 1925 to 1929, Northern Ireland only.
[3] Figures for previous years included with United Kingdom.

Source: Commissioner General of Immigration, Department of Labor.

No. 112.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1929

NOTE.—See headnote Table 111

Country	Quota immigrants	Nonquota immigrants			Country	Quota immigrants	Nonquota immigrants		
		From nonquota countries	Returning residents	Other exempt classes			From nonquota countries	Returning residents	Other exempt classes
All countries	**146,918**	**97,785**	**101,007**	**33,643**	**Europe—Contd.**				
					United Kingdom—Con.				
Europe, total	**144,187**	[1] 517	**84,478**	**30,702**	Scotland	14,581	62	6,355	274
Albania	85	-------	304	268	Wales	1,597	5	507	57
Austria	332	7	924	357	Yugoslavia	698	1	1,296	969
Belgium	517	2	666	126	Other Europe	1,128	-------	369	232
Bulgaria	108	-------	67	101					
Czechoslovakia	2,990	2	2,230	1,680	**America, total**	**880**	**97,255**	**8,847**	**487**
Denmark	2,703	1	1,408	102	Canada and Newfoundland	-------	51,086	2,668	129
Finland	477	1	1,263	77	Mexico	-------	39,500	939	1
France	3,532	11	3,281	216	West Indies	741	2,751	4,230	295
Germany	48,468	17	13,913	483	Central and South America	131	3,918	1,004	62
Greece	166	2	1,598	1,769	Other America	8	-------	6	-------
Hungary	527	2	904	624					
Irish Free State	19,341	13	4,178	97	**Asia, total**	**1,186**	[1] 9	**7,268**	**2,226**
Italy	3,845	173	17,184	13,813	China	121	2	1,709	335
Lithuania	368	4	352	354	India	94	2	81	95
Netherlands	1,552	2	1,027	122	Japan	14	1	4,877	338
Norway	6,061	2	2,640	262	Palestine	158	1	66	134
Poland	5,651	10	2,396	4,850	Syria	105	-------	175	316
Portugal [2]	529	6	2,411	104	Turkey in Asia	83	2	168	871
Rumania	870	2	714	979	Other Asia	611	1	97	137
Russia	1,844	10	534	978					
Spain	170	22	3,201	308	Africa	361	[1] 2	107	94
Sweden	9,176	6	3,979	128	Australia and New Zealand	311	[1] 2	287	122
Switzerland	2,020	5	1,290	135	Other countries	13	-------	25	12
Turkey in Europe	67	-------	71	319					
United Kingdom	30,442	216	16,218	1,249					
England	11,010	135	8,487	848					
N. Ireland	3,254	14	869	70					

[1] Wives and children (born in quota countries) of natives of nonquota countries.
[2] Including Azores, Cape Verde, and Madeira Islands.

No. 113.—ARRIVALS AND DEPARTURES OF ALIENS AND CITIZENS

Class	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1928	1929
Aliens and citizens:						
Arrivals	1,488,422	454,192	963,630	888,385	931,580	929,282
Departures	904,423	416,948	588,089	632,323	703,931	684,340
Excess of arrivals	583,999	37,244	375,541	256,062	227,655	244,942
Aliens, total:						
Arrivals	1,215,160	322,549	716,990	494,500	500,631	479,327
Departures	551,931	236,172	323,362	246,721	274,356	252,498
Excess of arrivals	663,229	86,377	393,628	247,779	226,275	226,829
Aliens, immigrant or emigrant:						
Arrivals	1,034,940	234,536	554,920	304,182	307,255	279,678
Departures	288,578	123,645	178,597	77,949	77,457	69,203
Excess of arrivals	746,362	110,891	376,323	226,233	229,798	210,475
Aliens, nonimmigrant or nonemigrant:						
Arrivals	180,220	88,013	162,070	190,318	193,376	199,649
Departures	263,352	112,527	144,765	198,772	196,899	183,295
Excess of arrivals (+) or departures (−)	−83,132	−24,514	+17,305	+21,546	−3,523	+16,354
Citizens:						
Arrivals	273,262	131,643	246,640	393,885	430,955	449,955
Departures	352,492	180,776	264,727	385,602	429,575	431,842
Excess of arrivals (+) or departures (−)	−79,230	−49,133	−18,087	+8,283	+1,380	+18,113
Citizens permanently departed:						
Naturalized	-------	[1] 4,097	7,097	3,675	3,257	2,146
Native-born	-------	[1] 44,174	49,117	20,579	18,175	21,297

[1] Average for 1918 and 1919.

Source of Tables 112 and 113: Commissioner General of Immigration, Department of Labor.

No. 114.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarred aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

Port and class	1900–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1927	1928	1929
United States, total	1,060,019	1,488,422	454,192	963,630	888,885	916,521	931,586	929,282
United States citizens	166,236	273,262	131,643	246,640	393,885	378,520	430,955	449,955
Immigrants	820,239	1,034,940	234,536	554,920	304,182	335,175	430,955	279,678
Nonimmigrant aliens	73,544	180,220	88,013	162,070	190,318	202,826	193,376	199,649
New York	812,848	1,048,710	193,356	571,942	551,927	566,819	590,376	612,558
United States citizens	128,988	173,578	55,192	161,265	272,872	269,026	299,272	313,030
Immigrants	630,141	759,791	100,970	321,403	153,683	165,510	157,887	158,238
Nonimmigrant aliens	53,719	115,341	37,194	89,274	125,372	132,283	133,217	141,290
Boston	64,942	73,896	13,034	30,329	19,445	19,555	22,361	18,406
United States citizens	12,351	11,498	2,723	4,486	8,223	7,251	10,986	9,201
Immigrants	47,913	52,474	8,801	24,169	7,162	8,080	5,680	5,002
Nonimmigrant aliens	4,678	9,925	1,510	1,675	4,060	4,224	5,695	4,203
Philadelphia	24,183	54,823	2,385	10,627	815	643	580	571
United States citizens	3,510	3,506	462	1,355	413	370	262	262
Immigrants	20,203	48,547	1,667	8,597	150	100	96	76
Nonimmigrant aliens	470	2,770	256	675	252	173	222	233
Baltimore	44,707	31,283	914	511	198	154	166	244
United States citizens	1,277	1,126	76	132	110	69	69	137
Immigrants	42,994	29,395	780	317	50	45	52	50
Nonimmigrant aliens	436	762	58	62	38	40	45	57
New Orleans	[1] 8,422	11,674	11,199	11,053	13,050	13,202	13,742	13,373
United States citizens	[1] 3,925	7,837	6,803	6,474	9,246	9,278	9,829	9,642
Immigrants	[1] 3,288	1,791	1,931	1,407	847	903	1,045	817
Nonimmigrant aliens	[1] 1,209	2,046	2,460	3,171	2,957	3,021	2,868	2,914
San Francisco	10,729	14,053	12,587	24,738	16,245	18,116	17,000	17,766
United States citizens	3,609	5,380	5,460	6,976	6,791	8,065	6,943	7,530
Immigrants	5,115	4,776	3,442	7,659	2,297	2,512	2,312	2,590
Nonimmigrant aliens	2,005	3,887	3,665	10,103	7,157	7,539	7,745	7,646
Seattle	[1] 4,537	4,627	6,911	8,733	5,583	6,748	5,286	4,952
United States citizens	[1] 667	794	614	1,739	2,332	3,154	2,306	2,277
Immigrants	[1] 3,136	2,208	3,933	4,046	959	1,011	522	584
Nonimmigrant aliens	[1] 734	1,625	2,359	2,948	2,292	2,583	2,458	2,091

[1] *Average, 1906 to 1909.*

Source: Commissioner General of Immigration, Department of Labor.

No. 115.—DEPARTURES OF PASSENGERS FROM THE UNITED STATES FOR FOREIGN COUNTRIES: YEARS ENDED JUNE 30

	1900–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1926	1927	1928	1929
Total	487,425	904,423	416,948	588,088	632,323	600,235	628,298	703,931	684,340
Male	324,402	631,827	319,331	384,871	368,917	349,956	361,966	406,485	387,507
Female	163,023	272,595	97,617	203,217	263,406	250,279	261,330	297,446	296,833
Children [1]	52,455	99,348	39,053	75,863	56,903	56,470	59,723	55,237	61,539
Adults [1]	434,970	805,074	377,895	512,225	575,420	543,765	563,573	648,694	622,801
Cabin [2]	193,822	457,514	209,593	323,302	441,217	399,033	410,125	455,214	576,942
Steerage [3]	293,603	446,909	207,355	264,786	191,106	201,202	218,171	248,717	107,398

[1] Prior to 1910 the division point is 12 years, from 1910 to 1917, inclusive, 14 years, thereafter, 16.
[2] Figures include departures by rail, ferry, or afoot via the Canadian and Mexican borders.
[3] Prior to 1910 designated as "Other than cabin passengers."

Source: Prior to July 1, 1907, the Bureau of Statistics; subsequently, the Bureau of Immigration, Department of Labor.

No. 116.—NATIONAL ORIGIN OF THE WHITE POPULATION OF THE UNITED STATES: 1920

NOTE.—The table gives the national origin of the white population of the United States as determined as a basis for immigration quotas under the provisions of the Immigration Act of 1924. The percentage of the total white population derived from each country of origin is expressed in terms of the equivalent number of inhabitants. "Colonial Stock" is used to designate that portion of the white population which is descended from the population enumerated in the first census, taken in 1790; "post colonial stock," that which is descended from or consists of immigrants coming to the United States after 1790. Non-quota countries include Canada, Newfoundland, Mexico, Cuba, Haiti, the Dominican Republic, and the 16 independent Republics of Central and South America.

Country of origin	Number (in thousands)						Per cent distribution		
	Total	Colonial stock	Post-colonial stock				Total	Colonial stock	Post-colonial stock
			Total	Immigrants	Children of immigrants	Grandchildren and later generations			
Total	94,821	41,289	53,532	13,713	19,190	20,629	100.0	100.0	100.0
Quota countries	89,507	40,324	48,182	12,071	17,621	19,490	94.4	97.7	91.9
Austria	843	14	829	306	415	108	.9	(1)	1.5
Belgium	778	602	176	63	62	51	.8	1.5	.3
Czechoslovakia	1,715	55	1,660	560	904	197	1.8	.1	3.1
Denmark	705	93	612	190	277	144	.7	.2	1.1
Estonia	69	-------	69	34	28	7	.1	-------	.1
Finland	339	4	335	150	147	39	.4	(1)	.6
France	1,842	767	1,075	355	325	594	1.9	1.9	2.0
Germany	15,489	3,037	12,452	1,672	4,051	6,728	16.3	7.4	23.3
Great Britain and Northern Ireland	39,216	31,804	7,412	1,365	2,308	3,739	41.4	77.0	13.8
Greece	183	-------	183	135	47	1	.2	-------	.3
Hungary	519	-------	519	319	184	16	.5	-------	1.0
Irish Free State	10,653	1,822	8,832	821	2,098	5,913	11.2	4.4	16.5
Italy	3,462	-------	3,462	1,612	1,671	178	3.7	-------	6.5
Latvia	141	-------	141	69	56	16	.1	-------	.3
Lithuania	230	-------	230	117	89	25	.2	-------	.4
Netherlands	1,881	1,367	515	133	205	176	2.0	3.3	1.0
Norway	1,419	75	1,343	364	597	382	1.5	.2	2.5
Poland	3,893	9	3,884	1,814	1,780	290	4.1	(1)	7.3
Portugal	263	24	239	104	105	30	.3	.1	.4
Rumania	176	-------	176	89	84	3	.2	-------	.3
Russia (Europe and Asia)	1,661	4	1,657	767	762	127	1.8	(1)	3.1
Spain	150	38	112	50	25	37	.2	.1	.2
Sweden	1,977	217	1,760	626	775	360	2.1	.5	3.3
Switzerland	1,019	389	630	119	204	308	1.1	.9	1.2
Syria and Lebanon	73	-------	73	42	31	-------	.1	-------	.1
Turkey	135	-------	135	103	31	1	.1	-------	.3
Yugoslavia	504	-------	504	221	266	18	.5	-------	.9
All other quota countries	171	4	167	72	94	2	.2	(1)	.3
Nonquota countries	5,314	964	4,350	1,641	1,570	1,139	5.6	2.3	8.1

1 Less than one-tenth of 1 per cent.

No. 117.—IMMIGRATION QUOTAS ON BASIS OF NATIONAL ORIGIN

Country or area	Quota	Country or area	Quota	Country or area	Quota	Country or area	Quota
Total	153,714	Egypt	100	Luxemburg	100	Siam	100
		Estonia	116	Monaco	100	South Africa, Union of	100
Afghanistan	100	Ethiopia (Abyssinia)	100	Morocco	100	Southwest Africa	100
Albania	100	Finland	569	Muscat (Oman)	100	Spain	252
Andorra	100	France	2,086	Nauru	100	Sweden	3,314
Arabian peninsula	100	Germany	25,957	Nepal	100	Switzerland	1,707
Armenia	100	Great Britain and Northern Ireland	65,721	Netherlands	3,153	Syria and the Lebanon	123
Australia	100	Greece	307	New Zealand	100	Tanganyika	100
Austria	1,413	Hungary	869	Norway	2,377	Togoland (Brit. mandate)	100
Belgium	1,304	Iceland	100	New Guinea	100	Togoland (Fr. mandate)	100
Bhutan	100	India	100	Palestine (with Trans-Jordan)	100	Turkey	226
Bulgaria	100	Iraq	100	Persia	100	Pacific islands under Japanese mandate	100
Cameroon (Brit. mandate)	100	Irish Free State	17,853	Poland	6,524	Yugoslavia	845
Cameroon (Fr. mandate)	100	Italy	5,802	Portugal	440		
China	100	Japan	100	Ruanda and Urundi	100		
Czechoslovakia	2,874	Latvia	236	Rumania	295		
Danzig, Free City of	100	Liberia	100	Russia (Europe and Asia)	2,784		
Denmark	1,181	Liechtenstein	100	Samoa, Western	100		
		Lithuania	386	San Marino	100		

Source of Tables 116 and 117: Bureau of the Census; Department of Commerce.

5. EDUCATION

NOTE.—Population figures for 1922 and 1924 used in this section are unrevised estimates and therefore do not agree with revised figures shown in Table 6, p. 3. The differences affect only slightly the ratios based on population.

No. 118.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: CONTINENTAL UNITED STATES

	1870	1880	1890	1900	1910
Total population	[1] 38,558,371	[1] 50,155,783	[1] 62,947,714	[1] 75,994,575	[1] 91,972,266
Population 5–17 years, inclusive	[1] 12,055,443	[1] 15,065,767	[1] 18,543,201	[1] 21,538,024	[1] 24,230,918
Per cent of total population	31.3	30.1	29.6	28.3	26.4
Pupils enrolled in public schools	6,871,522	9,867,505	12,722,581	15,503,110	17,813,852
Per cent of total population	17.82	19.67	20.32	20.40	19.37
Per cent of population 5–17, incl	57.00	65.50	68.61	[3] 71.98	[3] 73.49
Average daily attendance	4,077,347	6,114,143	8,153,635	10,632,772	12,827,307
Per cent of pupils enrolled	59.3	62.3	64.1	68.6	72.1
Average number of days schools in session	132.2	130.3	134.7	144.3	157.5
Average number of days attended per enrolled pupil	78.4	81.1	86.3	99.1	113.0
Number of teachers	200,515	286,593	363,922	423,062	523,210
Male	77,529	122,795	125,525	126,588	110,481
Female	122,986	163,798	238,397	296,474	412,729
Per cent male teachers	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars)	37,795	55,886	91,708	137,495	253,757
Average annual salary per teacher	[4] $189	[4] $195	[4] $252	[4] $325	[4] $485
Total expenditure for education (thousands of dollars)	63,397	78,095	140,507	214,965	426,250
Per capita of total population	$1.64	$1.56	$2.24	$2.84	$4.64
Per capita of population 5–17, inclusive	$5.26	$5.16	$7.63	[3] $9.98	[3] $17.51
Per capita of enrollment	$9.23	$7.91	$11.04	$13.87	$23.93

	1920	1922	1924	1926	1928
Total population	[1] 105,710,620	[2] 109,248,393	[2] 112,078,611	[2] 117,135,000	[2] 120,013,000
Population 5–17 years, inclusive	[1] 27,728,788	[2] 28,627,201	[2] 29,345,911	[2] 30,064,621	[2] 30,887,167
Per cent of total population	26.2	26.1	26.2	25.6	25.7
Pupils enrolled in public schools	21,578,316	23,239,227	24,288,808	24,741,468	25,179,696
Per cent of total population	20.4	21.3	21.7	21.1	21.0
Per cent of population 5–17, incl	77.8	81.2	82.8	82.3	81.5
Average daily attendance	16,150,035	18,432,213	19,132,451	19,855,881	20,608,353
Per cent of pupils enrolled	74.8	79.3	78.8	80.3	81.8
Average number of days schools in session	161.9	164.0	168.3	169.3	171.5
Average number of days attended per enrolled pupil	121.2	130.6	132.5	135.9	140.4
Number of teachers	679,533	722,976	761,308	814,169	831,934
Male	95,666	118,085	128,731	138,810	138,193
Female	583,867	604,891	632,577	675,359	693,741
Per cent male teachers	14.1	16.3	16.9	17.0	16.6
Salaries: Teachers, supervisors, and principals (thousands of dollars)	590,120	860,953	949,877	1,061,583	1,164,583
Average annual salary per teacher	[5] $871	[5] $1,166	[5] $1,227	[5] $1,277	[5] $1,364
Total expenditure for education (thousands of dollars)	1,036,151	1,580,671	1,820,744	2,026,308	2,184,847
Per capita of total population	$9.80	$14.47	$16.25	$17.30	$18.21
Per capita of population 5–17, inclusive	$37.37	$55.22	$62.04	$67.40	$70.74
Per capita of enrollment	$48.02	$68.02	$74.96	$81.90	$86.77

[1] Census enumeration as of June 1, 1870 to 1900, Apr. 15, 1910, and Jan. 1, 1920.
[2] Census estimates for July 1.
[3] Figures do not agree with those in Tables 124 and 125, as the latter are based on estimated population 5 to 17 years of age.
[4] Computed from number of teaching positions.
[5] Computed from number of teaching positions plus supervisors and principals whose salaries are included.

Source: Office of Education, Department of the Interior

No. 119.—ELEMENTARY, COMMERCIAL, SECONDARY, NORMAL SCHOOL, AND COLLEGE ENROLLMENTS: CONTINENTAL UNITED STATES

Schools	1890	1900	1910	1920	1928
Elementary and kindergarten, total	14,151,415	16,224,784	18,457,228	20,864,488	23,503,416
Kindergartens (public and private)	[1] 31,227	225,394	[2,3] 185,471	510,949	749,945
Public elementary schools (including public kindergartens)	12,519,518	14,983,859	16,898,791	19,378,927	21,268,417
Private elementary schools (largely estimated)	1,661,897	1,240,925	1,558,437	1,485,661	2,234,999
Secondary students, total	357,813	695,903	1,111,393	2,494,676	4,321,361
Public high schools	202,963	519,251	915,061	[4] 2,199,389	[4] 3,911,279
Private high schools	94,931	110,797	117,400	[4] 213,920	[5] 341,158
Preparatory schools (in colleges and universities)	51,749	56,285	66,042	59,309	50,588
Secondary students in normal schools	8,170	9,570	12,890	22,058	18,336
College and normal students, total	156,756	237,550	355,215	597,457	1,143,141
Normal schools and teachers colleges (excluding secondary students)	34,814	69,551	88,561	135,012	274,348
Colleges, universities, and professional schools (excl. preparatory students)	121,942	167,999	266,654	462,445	868,793
Private commercial and business schools	78,920	91,540	155,244	335,161	[6] 188,368

[1] 1888.
[2] Public only.
[3] 1909.
[4] From State reports.
[5] See headnote, Table 128.
[6] 1925.

Source: Office of Education, Department of the Interior.

No. 120.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: CONTINENTAL UNITED STATES

NOTE.—Data for public high schools are from reports received from the schools, *18,116 public high schools* out of a total of approximately 24,000 having furnished complete reports in 1928. The total enrollment *in all high schools* as reported by the State departments of education are shown for 1920 and 1928 in Table 119.

	1890	1900	1910	1920	1926	1928
ALL HIGH SCHOOLS AND ACADEMIES						
Schools reporting	4,158	7,983	10,994	16,419	20,060	20,564
Total secondary pupils [1]	287,894	630,048	1,032,461	2,041,908	[3] 3,313,085	[3] 3,623,722
Per cent of total population	0.47	0.83	1.12	1.93	2.88	3.02
Number of persons 14 to 17 years of age in total population	5,354,653	6,152,405	7,220,298	7,735,841	8,045,161	8,148,275
Ratio of number of pupils to total number of age specified, per cent	5.56	10.24	15.67	26.38	41.18	44.36
PUBLIC HIGH SCHOOLS						
Schools reporting	2,526	6,005	10,213	14,326	17,710	18,116
Teachers, total	[2] 9,120	20,372	41,667	[2] 97,654	[3] 163,555	[3] 182,637
Men	3,597	10,172	18,890	34,396	58,496	64,931
Women	5,280	10,200	22,777	63,258	105,059	117,706
Secondary pupils, total [1]	202,963	519,251	915,061	1,857,155	3,065,009	3,354,473
Boys	85,451	216,207	398,525	822,967	1,445,886	1,598,605
Girls	116,351	303,044	516,536	1,034,188	1,619,123	1,755,868
Colored students (included above)	*5,933*	*8,395*	*12,636*	*27,631*	*75,719*	*96,107*
First year	[4]	[4]	392,505	742,320	1,108,158	1,212,894
Second year	[4]	[4]	247,936	498,796	823,191	906,179
Third year	[4]	[4]	163,176	346,684	611,986	670,089
Fourth year	[4]	[4]	111,444	261,369	504,355	546,528
Postgraduate	[4]	[4]	----------	7,986	17,319	18,783
Per cent of total population in public high schools	0.32	0.68	1.00	1.76	2.66	2.80
Number graduated during year, total	21,882	61,737	111,383	230,902	434,539	474,736
Boys	7,692	22,575	43,657	90,516	190,054	210,916
Girls	14,190	39,162	67,706	140,386	244,485	263,820

[1] Excludes seventh and eighth grades in junior high schools.
[2] Includes teachers not classified by sex.
[3] Includes teachers in junior high schools as follows: 1920, men, 1,361, women, 5,069; 1926, men, 5,238, women, 18,444; 1928, men, 7,305, women, 24,634.
[4] No data.

No. 120.—Public High Schools and Private High Schools and Academies: Continental United States—Continued

	1890	1900	1910	1920	1926	1928
PRIVATE HIGH SCHOOLS AND ACADEMIES						
Schools reporting	1,632	1,978	1,781	2,093	2,350	2,448
Teachers, total	7,209	10,117	11,146	14,946	18,025	20,333
Men	3,272	4,275	4,512	5,698	6,929	7,866
Women	3,937	5,842	6,634	9,248	11,467	12,467
Secondary pupils, total	94,931	110,797	117,400	184,153	248,076	269,249
Boys	47,534	55,734	55,474	84,222	114,617	128,596
Girls	47,397	55,063	61,926	99,931	133,459	140,653
Colored (included above)		*2,390*	*3,888*	*9,586*	*10,261*	*8,302*
Total in schools for boys only			26,838	47,925	63,050	74,954
Total in schools for girls only			28,317	55,658	76,323	78,775
Total in coeducational schools			62,245	80,570	108,703	115,520

No. 121.—NORMAL SCHOOLS AND TEACHERS' COLLEGES (STATE, COUNTY, CITY, AND PRIVATE): Continental United States

	1900	1910	1920	1924	1926	1928
ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number reporting	305	264	370	382	402	339
Instructors, total	4,367	5,914	9,538	12,517	14,231	14,462
Men	1,856	2,195	3,556	4,949	5,774	5,831
Women	2,511	3,719	5,977	7,568	8,457	8,631
Students in all courses, total	[1] 116,549	[1] 132,438	162,373	273,107	294,064	297,430
Men	47,851	37,823	29,107	53,351	63,993	61,573
Women	68,698	94,615	133,266	219,756	230,071	235,857
Students in normal courses, total	69,551	88,561	135,012	245,649	270,206	274,348
Men	24,157	19,746	19,068	42,532	54,221	52,054
Women	45,394	68,815	115,944	203,117	215,985	222,294
Graduates from normal courses during year	11,359	15,430	20,920	40,484	47,310	49,627
Enrollment in model schools	35,397	66,180	91,941	85,585	73,092	71,685
Volumes in libraries	807,963	1,521,528	2,380,373	2,926,023	3,225,994	3,536,032
Receipts, all sources (1,000 dollars)	5,232	14,688	31,275	48,949	64,093	70,017
STATE NORMAL SCHOOLS AND TEACHERS' COLLEGES [2]						
Number	127	151	182	196	203	206
Instructors	2,199	3,840	7,227	10,153	11,465	12,169
Students in all courses	[1] 60,309	[1] 94,143	140,382	239,226	259,693	267,184
Students in normal courses	41,655	71,447	118,601	219,906	243,047	249,533
TEACHERS' COLLEGES (INCLUDED ABOVE)						
Number			45	88	101	137
Instructors			2,569	6,022	7,422	9,658
Students in all courses			61,906	151,562	177,816	219,119
Students in normal courses			54,721	140,020	167,802	206,799
CITY AND COUNTY NORMAL SCHOOLS						
Number	30	40	128	119	135	74
Instructors	550	845	1,098	843	1,098	850
Students in all courses	[1] 7,555	[1] 16,940	12,527	15,689	16,067	15,579
Students in normal courses	4,592	7,773	12,527	15,689	16,067	15,579
PRIVATE NORMAL SCHOOLS						
Number	148	73	60	67	64	59
Instructors	1,618	1,229	1,208	1,521	1,668	1,443
Students in all courses	48,675	21,355	9,464	18,192	18,304	14,667
Students in normal courses	23,304	9,341	3,884	10,054	11,092	9,236

[1] A number of pupils in model schools are included in these data. [2] Includes all teachers' colleges.

Source of Tables 120 and 121: Office of Education, Department of the Interior.

No. 122.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: CONTINENTAL UNITED STATES

	1890	1900	1910	1920	1924	1926	1928
PROFESSORS AND INSTRUCTORS							
Total, excluding duplicates	13, 565	22, 134	33, 691	42, 882	58, 279	62, 224	67, 209
Men	10, 676	18, 343	28, 477	34, 111	44, 345	48, 640	52, 263
Women	2, 889	3, 791	5, 154	8, 771	11, 934	13, 575	14, 946
Preparatory departments	2, 803	4, 078	4, 548	4, 282	4, 372	3, 917	3, 267
Men		2, 572	2, 807	2, 714	2, 615	2, 189	1, 834
Women		1, 506	1, 741	1, 568	1, 757	1, 728	1, 433
Collegiate departments	6, 198	11, 219	17, 281	28, 113	38, 025	43, 326	50, 122
Men		9, 014	14, 051	21, 644	28, 872	32, 605	36, 783
Women		2, 205	3, 230	6, 469	9, 153	10, 721	13, 339
Professional departments	3, 995	8, 277	13, 285	10, 915	13, 803	14, 733	14, 915
Men			12, 886	10, 603	13, 381	14, 152	14, 373
Women			399	312	422	581	542
Other departments				2, 221	2, 328	1, 435	116
Men				982	1, 073	550	27
Women				1, 239	1, 255	885	89
STUDENTS							
Total, excluding duplicates	173, 691	224, 284	332, 998	521, 754	726, 124	822, 305	919, 381
Men	119, 860	162, 899	227, 995	334, 226	457, 701	509, 732	563, 244
Women	53, 831	61, 385	104, 701	187, 528	268, 423	313, 163	356, 137
Preparatory departments	51, 749	56, 285	66, 642	59, 309	61, 858	55, 632	50, 588
Men	29, 530	34, 814	42, 616	38, 398	38, 825	33, 185	30, 206
Women	22, 219	21, 471	23, 426	20, 911	23, 033	22, 447	20, 382
Collegiate departments	65, 274	104, 098	174, 213	341, 082	486, 290	595, 458	695, 219
Men	44, 650	68, 047	113, 074	212, 405	289, 817	347, 665	402, 242
Women	20, 624	36, 051	61, 139	128, 677	196, 482	247, 793	292, 977
Graduate departments	2, 382	5, 831	9, 370	15, 612	28, 799	32, 500	44, 165
Men	1, 973	4, 112	6, 504	9, 837	18, 444	20, 159	26, 540
Women	409	1, 719	2, 866	5, 775	10, 355	12, 341	17, 625
Professional departments [1]	33, 011	58, 070	71, 257	57, 131	91, 516	98, 413	99, 424
Men	32, 034	55, 926	65, 569	53, 295	85, 865	92, 591	93, 639
Women	977	2, 144	5, 688	3, 836	5, 651	5, 822	5, 785
Other departments				65, 859	73, 003	53, 566	39, 153
Men				27, 533	33, 144	23, 211	16, 399
Women				38, 326	39, 859	30, 355	22, 754
Students in engineering courses (included above)	1, 195	11, 415	30, 337	51, 908	57, 699	59, 315	66, 637
DEGREES CONFERRED							
Baccalaureate	6, 853	14, 018	22, 687	38, 552	61, 285	71, 529	83, 065
Men		9, 547	15, 267	23, 272	36, 258	41, 106	45, 912
Women		4, 471	7, 420	15, 280	25, 027	30, 423	37, 153
Professional [2]	8, 086	13, 302	14, 512	8, 774	18, 297	20, 096	19, 017
Men				8, 272	17, 357	19, 047	18, 066
Women				502	940	1, 049	951
Graduate	1, 136	1, 952	2, 541	4, 853	9, 261	11, 451	13, 834
Men		1, 628	1, 939	3, 457	6, 447	7, 700	8, 976
Women		324	602	1, 396	2, 814	3, 751	4, 858
Ph. D., on examination	126	342	409	532	1, 064	1, 302	1, 447
Men		332	365	430	914	1, 115	1, 249
Women		20	44	93	150	187	198

[1] Includes students in *theology, law, medicine,* dentistry, pharmacy, osteopathy, and veterinary medicine.

[2] First degrees in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.

Source: Office of Education, Department of the Interior.

No. 123.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

Division and State or outlying area	Number of teachers [1]				Per cent of teachers male		Salaries of teachers, supervisors, and principals			
							Total, 1928 (1,000 dollars)	Average annual salary (dollars)		
	1900	1910	1920	1928	1900	1928		1900	1920	1928
Continental U. S.	423,082	523,210	[2] 679,538	831,934	29.9	16.6	1,164,583	325	[2] 871	1,364
New England	32,549	36,723	43,480	51,016	11.0	11.5	84,759	424	1,084	1,584
Maine	6,445	7,457	7,020	6,583	[3] 16.4	13.0	5,710	191	603	927
New Hampshire	2,740	3,040	3,047	3,001	8.9	12.0	3,613	254	759	1,195
Vermont	3,742	3,257	2,902	2,946	13.6	8.8	2,745	176	667	988
Massachusetts	13,575	15,321	[2] 19,085	25,251	8.8	12.9	48,773	602	[2] 1,262	1,823
Rhode Island	1,887	2,371	2,971	3,815	9.5	10.9	5,894	536	1,070	1,382
Connecticut	4,160	5,277	[4] 8,455	9,420	[3] 9.0	8.6	18,024	486	1,124	1,715
Middle Atlantic	71,250	92,657	123,264	150,285	21.7	14.7	306,542	481	1,133	1,978
New York	34,848	45,074	61,703	70,849	14.9	12.6	165,507	552	1,256	2,337
New Jersey	7,012	12,087	17,440	23,877	12.9	11.3	49,942	546	1,282	2,002
Pennsylvania	29,390	35,496	44,111	55,559	32.0	18.8	91,033	381	920	1,538
East North Central	96,934	107,208	128,955	160,930	31.3	16.6	250,556	350	1,010	1,516
Ohio	26,017	27,841	33,751	41,571	40.4	19.7	65,338	349	1,088	1,529
Indiana	15,617	17,267	17,209	21,603	46.2	28.2	34,101	322	964	1,430
Illinois	26,313	29,384	36,599	44,585	26.4	16.2	74,714	440	1,081	1,634
Michigan	15,924	17,087	24,302	33,119	20.3	10.8	49,457	283	911	1,543
Wisconsin	13,063	14,729	17,094	19,952	18.4	14.4	26,946	288	915	1,290
West North Central	85,437	99,138	117,051	130,059	24.9	13.5	138,171	394	797	1,129
Minnesota	10,586	15,157	19,575	21,484	19.4	9.4	27,411	363	882	1,250
Iowa	28,789	24,598	27,660	23,730	17.2	7.9	26,985	195	827	1,076
Missouri	16,201	18,365	21,126	24,871	37.6	20.9	28,938	289	797	1,164
North Dakota	4,083	7,387	8,975	8,550	28.8	15.9	8,105	200	728	837
South Dakota	4,802	6,065	7,853	8,067	24.4	9.5	7,779	196	696	1,105
Nebraska	9,463	11,099	14,873	14,216	21.8	10.6	15,995	279	765	1,092
Kansas	11,513	13,467	16,989	19,141	32.7	18.1	22,958	276	761	1,166
South Atlantic	46,994	62,187	84,888	110,599	40.7	15.8	103,811	208	560	925
Delaware	831	993	1,134	1,398	25.3	11.5	2,076	336	848	1,451
Maryland	5,116	5,514	6,675	8,652	21.7	13.9	11,903	418	902	1,418
Dist. of Columbia	1,226	1,631	2,096	2,599	13.1	11.8	6,077	684	1,369	2,196
Virginia	8,954	10,443	14,271	16,341	31.5	9.7	13,856	173	546	822
West Virginia	7,067	8,782	11,221	14,845	57.9	29.0	17,089	174	639	1,122
North Carolina	7,387	11,216	16,852	23,673	49.4	15.5	20,120	110	464	837
South Carolina	5,564	6,968	9,699	13,065	[3] 43.5	15.0	10,055	134	464	769
Georgia	10,120	12,625	15,921	18,805	44.0	15.4	12,253	179	426	647
Florida	2,729	4,015	6,819	11,221	36.9	12.0	10,382	203	518	906
East South Central	34,693	40,308	51,145	67,397	44.5	21.3	51,006	173	423	737
Kentucky	10,427	11,100	13,348	16,007	45.5	25.2	13,647	238	[5] 413	851
Tennessee	9,195	10,286	13,277	18,042	[3] 54.0	22.6	14,567	153	494	835
Alabama	6,578	8,756	12,558	16,795	30.1	16.8	12,370	140	484	747
Mississippi	8,493	10,166	11,962	16,553	44.2	20.7	10,424	142	[5] 291	545
West South Central	28,478	46,023	63,882	83,276	50.9	21.3	72,223	229	643	864
Arkansas	6,959	9,522	10,476	12,767	59.7	28.8	8,675	174	477	680
Louisiana	4,157	6,286	8,966	11,473	47.9	12.6	11,521	227	723	980
Oklahoma	2,343	9,473	15,389	19,130	42.8	23.1	18,421	165	768	963
Texas	15,019	20,742	29,001	39,906	48.9	20.4	33,606	266	612	842
Mountain	9,596	15,974	30,130	34,820	27.0	18.5	45,395	400	958	1,288
Montana	1,214	2,250	7,215	6,377	16.6	12.8	6,881	470	958	1,137
Idaho	1,060	2,232	3,982	4,569	31.2	21.3	5,300	257	932	1,160
Wyoming	570	1,109	2,232	3,124	15.6	18.4	3,646	316	869	1,151
Colorado	3,597	5,200	7,386	9,812	20.9	18.8	14,225	455	929	1,450
New Mexico	966	1,474	2,752	3,187	[3] 55.2	20.8	3,334	236	803	1,037
Arizona	399	851	1,955	2,898	27.3	17.4	4,846	474	1,279	1,587
Utah	1,466	2,369	3,904	4,032	36.5	23.0	5,847	415	902	1,299
Nevada	324	489	704	821	11.1	15.3	1,316	488	1,163	1,504
Pacific	15,131	22,992	36,998	53,552	28.2	15.3	112,120	508	1,182	1,933
Washington	3,784	7,170	9,877	10,426	28.9	14.0	17,553	362	1,229	1,538
Oregon	3,742	4,453	7,778	7,940	28.4	16.4	11,037	240	870	1,348
California	7,605	11,369	19,343	35,186	17.8	15.5	83,530	709	1,272	2,175
Alaska Territory	------	------	164	217	------	11.5	347	------	1,325	1,551
American Samoa	------	------	------	45	------	86.7	13	------	------	293
Canal Zone	------	------	102	138	------	42.8	229	------	1,324	1,588
Guam	------	------	------	124	------	44.4	46	------	------	303
Hawaii Territory	------	------	21,326	2,226	------	16.4	3,432	------	1,181	1,552
Philippine Islands	------	------	1,254	25,900	------	56.7	10,017	------	------	386
Porto Rico	------	------	3,832	4,478	------	26.7	3,898	------	635	857
Virgin Islands	------	------	------	92	------	26.1	72	------	------	760

[1] Includes some superintendants, principals, and supervisors, some States not reporting them separately.
[2] Includes 231 part-time teachers. [3] Estimated. [4] Estimated for 7,525 teaching positions. [5] 1919.

Source: Office of Education, Department of Interior.

No. 124.—ELEMENTARY AND SECONDARY SCHOOLS,

Division and State or outlying area	Population, 5–17 years, inclusive, 1920	Public elementary and secondary schools						
		Pupils enrolled				Ratio of enrolled to total population 5–17 years, inclusive, per cent [1]		
		1900	1910	1920	1928	1900	1910	1920
Continental U. S.	27,728,788	15,503,110	17,813,852	21,578,316	25,179,696	72.4	73.1	77.8
New England	1,708,036	959,920	1,081,148	1,242,921	1,459,126	76.1	74.7	72.7
Maine	180,434	130,918	144,278	137,031	151,914	81.4	84.5	76.3
New Hampshire	99,775	65,688	63,972	64,205	72,892	74.0	66.6	64.3
Vermont	84,188	65,964	66,615	61,785	64,529	82.2	80.3	73.4
Massachusetts	875,109	474,891	535,869	623,586	743,980	76.2	70.6	71.3
Rhode Island	143,011	67,231	80,061	93,501	113,391	66.8	63.1	65.4
Connecticut	325,519	155,228	190,353	261,463	312,419	74.5	73.8	80.3
Middle Atlantic	5,381,166	2,884,029	3,136,731	3,925,080	4,702,183	69.2	68.4	72.9
New York	2,361,888	1,209,574	1,422,969	1,719,841	2,058,716	69.6	67.8	72.8
New Jersey	767,979	322,575	420,797	594,780	760,044	68.5	70.0	77.4
Pennsylvania	2,251,289	1,151,880	1,282,965	1,610,459	1,883,423	68.9	66.7	71.5
East North Central	5,163,643	3,303,005	3,378,038	3,871,428	4,710,648	75.3	73.1	75.0
Ohio	1,331,685	829,160	838,080	1,020,663	1,294,657	75.4	73.8	76.6
Indiana	712,772	564,807	531,459	506,288	654,600	81.1	78.4	79.4
Illinois	1,564,806	958,911	1,002,687	1,127,500	1,378,751	72.7	71.7	72.1
Michigan	871,856	504,985	541,501	691,674	841,022	77.1	78.0	79.3
Wisconsin	682,524	445,142	464,311	465,243	541,618	72.5	72.4	68.2
West North Central	3,256,384	2,538,564	2,603,951	2,724,540	2,871,964	83.4	76.3	83.7
Minnesota	615,733	399,207	440,083	503,597	552,794	77.6	77.9	81.8
Iowa	597,914	566,223	510,661	514,521	551,400	89.1	86.9	86.1
Missouri	859,277	719,817	707,031	672,483	679,597	78.6	81.8	78.3
North Dakota	198,799	77,686	139,802	168,283	172,539	81.3	85.4	84.6
South Dakota	177,188	98,822	126,253	146,955	164,427	79.5	77.7	82.9
Nebraska	344,436	288,227	[2] 281,376	311,821	325,783	89.5	86.5	90.5
Kansas	463,037	389,582	398,746	406,880	425,424	89.2	88.7	87.9
South Atlantic	4,229,363	2,182,615	2,573,386	3,282,217	3,735,314	65.7	69.1	77.6
Delaware	52,535	36,895	35,950	38,483	40,869	75.3	71.5	73.3
Maryland	361,297	222,373	238,393	241,618	270,900	67.0	69.9	66.9
Dist. of Columbia	77,505	46,519	55,774	65,298	77,368	76.8	83.3	84.3
Virginia	629,398	370,595	402,109	505,190	553,717	63.2	64.3	73.3
West Virginia	433,832	232,343	276,458	346,256	401,114	78.6	77.9	79.8
North Carolina	838,345	400,452	520,404	691,249	848,778	63.6	73.5	82.4
South Carolina	569,916	281,891	340,415	478,045	476,275	60.7	67.3	83.9
Georgia	933,368	482,673	555,794	[3] 690,918	704,936	65.3	66.8	[5] 74.0
Florida	272,667	108,874	148,089	225,160	361,357	66.6	68.1	82.6
East South Central	2,770,882	1,748,578	1,910,364	2,137,794	2,499,425	71.4	70.8	77.2
Kentucky	702,391	500,294	494,863	[10] 535,332	582,181	75.3	73.6	[10] 76.2
Tennessee	707,933	485,354	521,753	619,852	676,421	75.1	79.5	87.6
Alabama	769,256	376,423	424,611	569,940	635,290	61.7	62.7	74.1
Mississippi	591,102	386,507	469,137	[10] 412,670	605,533	73.3	80.4	[13] 69.8
West South Central	3,168,754	1,270,031	1,903,625	2,462,181	2,809,544	62.3	66.0	77.7
Arkansas	563,650	314,662	395,978	483,172	479,108	71.0	80.0	85.7
Louisiana	557,553	196,169	263,617	354,079	415,481	43.6	50.8	63.5
Oklahoma	636,340	99,602	422,399	589,282	682,259	79.8	82.9	92.6
Texas	1,411,202	659,598	821,631	1,035,648	1,232,696	64.7	67.2	73.4
Mountain	882,756	341,123	525,118	794,538	860,231	76.4	78.1	90.0
Montana	137,344	39,430	66,141	126,576	117,972	72.8	80.7	92.2
Idaho	121,560	36,669	76,168	115,192	120,846	79.2	87.9	94.8
Wyoming	47,068	14,512	24,584	43,112	53,148	65.7	79.7	91.6
Colorado	231,833	117,555	168,798	220,232	238,922	88.2	89.6	95.0
New Mexico	107,990	36,735	56,304	81,399	86,239	61.4	59.2	75.4
Arizona	86,941	16,504	31,312	76,505	89,040	51.9	62.0	88.0
Utah	134,601	73,042	91,611	117,406	136,585	81.0	84.3	87.2
Nevada	15,419	6,676	[8] 10,200	14,114	17,479	74.1	73.9	91.5
Pacific	1,168,014	474,245	702,491	1,138,319	1,531,262	81.9	72.7	97.5
Washington	309,294	115,104	215,688	291,053	339,001	87.9	85.3	94.1
Oregon	179,601	89,405	118,412	151,028	187,189	82.1	79.2	84.1
California	679,119	269,736	368,391	696,238	1,005,072	79.6	78.6	(14)
Alaska Territory	12,530			3,360	4,329			26.8
Canal Zone	4,080			3,486	5,615			85.4
Guam					3,517			
Hawaii Territory				41,350	64,787			
Philippine Islands				935,678	1,111,403			
Porto Rico				180,458	220,940			
Virgin Islands					2,919			
American Samoa					1,800			

[1] Percentages are not shown for 1928, as they do not accurately portray the situation in many cases, owing largely to the difficulty of accurately estimating the population 5–17 by States.
[2] Includes kindergarten. [3] Includes secondary pupils in local normal and vocational schools.
[4] 1898–99. [5] Approximate. [6] 1908–9. [7] Elementary only. [8] Estimated. [9] 1891–92.

PUBLIC AND PRIVATE: ENROLLMENT AND ATTENDANCE

Public elementary and secondary schools—Continued							Private and parochial schools			Division and State or outlying area
Number enrolled, 1928		Average daily attendance	Average days attendance per year per pupil enrolled				Number enrolled			
Elementary [2]	Secondary [3]	1928	1900	1910	1920	1928	1910	1920	1928	
21,288,417	3,911,279	20,608,353	99.1	113.0	121.2	140.4	1,556,437	2,034,642	2,576,157	C. U. S.
1,196,524	282,601	1,270,751	132.3	143.6	145.9	158.1	190,928	290,407	351,458	N. E.
123,540	28,374	134,928	105.2	118.5	142.4	157.6	14,137	18,616	26,351	Me.
59,865	13,027	63,781	[4] [5] 99.1	128.6	144.3	155.2	14,331	24,342	26,568	N. H.
53,511	11,018	56,094	111.3	125.1	131.6	148.3	[6] 6,000	8,009	8,544	Vt.
596,220	147,760	655,827	145.7	154.2	149.6	161.6	96,464	144,624	201,336	Mass.
97,178	16,213	97,720	[4] 135.4	148.8	142.9	156.9	17,781	26,590	32,648	R. I.
266,210	46,209	262,392	135.8	143.5	144.1	152.9	42,215	68,226	56,011	Conn.
3,978,446	725,737	3,999,736	126.8	140.5	145.2	156.2	507,072	502,215	809,322	M. A.
1,701,088	357,628	1,768,364	131.8	149.0	148.8	158.0	267,072	275,986	381,325	N. Y.
653,708	106,336	632,021	[4] 119.2	138.9	151.3	156.3	65,000	54,997	127,395	N. J.
1,621,650	261,773	1,599,351	123.6	133.0	139.0	154.2	175,000	171,532	300,602	Pa.
3,841,169	869,479	4,121,619	118.8	130.0	134.9	158.7	405,417	600,381	748,428	E. N. C.
1,052,665	241,992	1,085,262	122.6	131.6	130.7	149.3	97,832	124,223	171,063	Ohio.
523,103	131,497	604,392	115.6	116.8	125.8	160.7	[6] 20,751	35,857	67,899	Ind.
1,109,823	268,928	1,175,978	123.4	133.7	144.9	159.3	[7] 167,929	267,777	270,819	Ill.
710,327	130,695	770,362	[4] [5] 113.6	140.0	129.6	171.0	[7] 61,539	91,177	134,324	Mich.
445,251	96,367	485,625	[5] 111.4	124.4	138.9	157.9	57,366	81,327	104,323	Wis.
2,341,471	530,493	2,395,971	95.4	114.2	127.4	145.0	132,608	230,015	260,716	W. N. C.
463,288	80,500	453,303	91.8	118.0	125.5	145.8	21,000	54,974	60,033	Minn.
441,924	109,476	461,861	[4] 103.0	121.4	137.2	144.9	50,000	38,780	47,371	Iowa.
554,864	124,733	583,308	92.3	107.7	128.6	150.8	40,000	65,582	70,029	Mo.
145,719	26,320	137,405	87.3	94.9	127.4	133.8	1,000	8,902	8,528	N. Dak.
136,501	27,926	135,754	113.4	106.0	112.4	143.7	1,840	5,805	10,558	S. Dak.
260,702	65,081	267,311	102.7	118.9	122.3	145.4	[6] 9,000	28,073	24,847	Nebr.
338,473	86,951	357,029	84.8	119.5	124.8	139.6	[7] 9,768	27,899	39,350	Kans.
3,308,907	426,407	2,894,293	69.3	86.8	98.3	121.3	105,962	144,632	104,782	S. A.
34,518	6,351	35,003	[5] [10] 109.8	108.3	120.2	158.4	3,750	7,081	7,189	Del.
234,640	36,260	225,669	[4] 108.8	113.7	130.3	155.8	20,000	30,188	43,164	Md.
62,338	14,530	63,908	135.9	145.0	143.8	149.1	6,000	23,707	10,678	D. C.
497,500	56,217	437,861	[4] 67.5	90.4	102.2	125.7	23,662	15,412	8,539	Va.
357,178	43,936	332,169	69.0	92.2	102.8	137.1	1,500	6,542	8,336	W. Va.
746,375	102,403	640,651	36.6	64.9	91.8	111.6	[6] 26,200	26,640	9,091	N. C.
422,638	53,637	348,394	63.2	75.4	76.0	106.8	10,650	10,142	3,449	S. C.
632,787	72,149	535,196	69.3	92.5	98.0	112.4	6,000	16,730	7,730	Ga.
320,433	40,924	275,442	69.7	80.9	98.0	117.5	8,200	8,190	6,600	Fla.
2,273,728	225,699	1,797,622	65.3	80.1	84.3	110.7	82,052	78,041	71,024	E. S. C.
526,923	55,258	427,786	[5] [11] 71.0	79.6	78.7	120.8	21,295	20,819	37,542	Ky.
610,944	65,477	476,692	67.0	90.6	98.5	115.8	37,124	27,300	6,609	Tenn.
580,572	54,718	465,355	[4] 61.9	78.6	79.4	108.3	16,133	20,484	17,826	Ala.
555,287	50,246	427,789	58.8	74.6	76.9	98.1	[6] 7,500	9,438	9,047	Miss.
2,412,767	396,777	2,157,438	68.4	82.2	103.4	115.9	53,777	76,233	98,445	W. S. C.
440,469	38,539	348,981	48.1	68.6	85.2	106.0	5,777	4,434	6,855	Ark.
367,796	47,685	324,400	89.5	93.9	107.7	119.7	34,000	31,374	42,776	La.
588,038	94,221	457,983	61.0	78.8	100.5	100.0	4,000	13,635	6,746	Okla.
1,016,464	216,232	1,026,074	73.6	86.8	112.0	127.3	[5] 10,000	26,790	42,068	Tex.
705,994	154,237	685,457	86.1	100.6	120.3	138.6	34,377	37,491	43,459	Met.
95,740	22,232	101,268	85.5	115.5	120.7	152.1	6,998	6,476	9,692	Mont.
97,073	23,773	95,740	63.5	91.3	126.9	141.0	1,500	4,201	2,952	Idaho.
42,504	10,644	38,914	[5] 77.0	101.5	117.4	125.7	[6] 116	1,356	796	Wyo.
194,024	44,298	187,109	93.4	99.3	114.4	139.4	4,000	8,795	12,719	Colo.
77,233	9,009	59,962	[5] 59.0	66.4	120.5	125.2	5,000	4,777	8,296	N. Mex.
76,984	12,056	68,572	77.1	87.3	98.6	129.8	9,913	3,544	4,196	Ariz.
108,532	23,053	110,017	101.4	124.6	138.5	142.4	6,500	7,794	4,808	Utah.
13,304	4,175	14,875	108.4	106.0	125.8	142.3	350	548	----------	Nev.
1,211,413	319,849	1,285,466	109.0	132.9	124.5	151.1	48,244	75,247	88,523	Pac.
260,764	78,237	273,542	97.0	124.7	128.1	145.2	7,209	16,284	20,703	Wash.
144,851	42,338	164,088	[12] 84.0	121.8	137.5	152.8	6,233	9,249	10,599	Oreg.
805,798	199,274	847,836	121.6	142.0	120.2	152.8	32,802	49,714	57,221	Calif.
4,115	714	3,973	----------	----------	132.3	144.8	----------	----------	----------	Alaska.
5,071	544	4,855	----------	----------	114.2	168.6	----------	----------	----------	C. Z.
3,442	75	3,338	----------	----------	----------	195.6	----------	----------	127	Guam.
60,025	4,762	60,084	----------	----------	168.3	153.0	----------	8,261	9,497	Hawaii.
1,047,168	64,235	994,387	----------	----------	150.0	178.0	----------	40,379	77,546	P. I.
214,150	6,790	192,050	----------	----------	145.7	160.0	----------	6,567	7,365	P. R.
2,908	11	2,807	----------	----------	----------	194.2	----------	----------	1,131	V. I.
1,800	----------	1,600	----------	----------	----------	165.0	----------	----------	400	A. S.

[10] 1919. [11] 1896–97. [12] Enrollment figures from the Bureau of the Census. [13] 1897–98.
[14] The enrollment in schools was 2.5 per cent larger than the number of persons 5–17 years of age in 1920.
Source: Office of Education, Department of the Interior.

No. 125.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

NOTE.—Figures include new buildings as well as operation and equipment expenditures. Expenditures per capita of total population for outlying territories and possessions for 1928 were as follows: Alaska, $12.01; Canal Zone, $11.79; Guam, $4.87; Hawaii, $13.68; Philippine Islands, $1.01; Porto Rico, $3.30; Virgin Islands, $4.37; American Samoa, $2.77

Division and State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5–17, inclusive (dollars)			
	1900	1910	1920	1928	1900	1910	1920	1928	1900	1910	1920	1928
Continental U. S.	214,964	426,250	1,036,151	2,184,847	2.84	4.64	9.80	18.21	10.04	17.04	37.37	70.74
New England	28,403	34,270	75,796	152,143	4.01	5.23	10.24	18.35	17.75	23.69	44.38	79.79
Maine	1,713	2,934	6,404	10,844	2.47	3.95	8.34	13.64	10.65	17.04	35.49	57.18
New Hampshire	1,052	1,654	3,811	6,737	2.56	3.84	8.60	14.77	11.85	17.79	38.19	65.10
Vermont	1,074	1,609	3,588	5,080	3.13	4.52	10.18	14.48	13.38	20.55	42.62	59.53
Massachusetts	13,826	20,136	40,909	83,711	4.03	5.08	10.62	19.51	22.19	27.68	46.75	85.13
Rhode Island	1,549	2,487	4,766	12,689	3.61	4.59	7.89	17.22	15.39	20.63	33.33	80.17
Connecticut	3,189	5,450	16,318	33,082	3.51	4.91	11.82	19.84	15.31	21.35	50.12	85.56
Middle Atlantic	61,507	108,915	220,446	583,671	3.98	5.64	9.90	23.14	15.85	23.78	40.97	96.11
New York	33,421	51,862	106,045	301,212	4.60	5.09	10.21	26.08	19.22	25.09	44.90	115.18
New Jersey	6,009	17,065	40,910	105,018	3.51	6.72	12.96	27.48	14.04	27.33	53.27	115.74
Pennsylvania	21,477	39,988	73,491	177,441	3.41	5.22	8.43	18.01	12.85	21.14	32.64	69.58
East North Central	52,068	99,833	247,489	516,171	3.26	5.47	11.52	20.69	11.88	21.59	47.93	90.14
Ohio	13,335	25,500	67,427	140,139	3.21	5.35	11.71	20.53	12.13	23.71	50.63	92.74
Indiana	8,183	14,911	35,765	71,109	3.25	5.52	12.20	22.39	11.75	21.71	50.18	95.30
Illinois	17,757	34,036	69,358	147,269	3.08	6.04	10.69	19.91	13.46	24.15	44.32	85.63
Michigan	7,298	14,597	47,684	109,314	3.01	5.20	13.00	23.81	11.15	19.24	54.69	106.13
Wisconsin	5,493	10,789	27,255	48,340	2.65	4.64	10.36	16.37	8.95	15.57	39.93	67.22
West North Central	34,100	65,200	173,088	252,488	3.30	5.60	13.80	19.04	11.20	19.10	53.15	74.42
Minnesota	5,630	13,724	35,734	49,596	3.21	6.60	14.97	18.22	10.94	22.49	58.04	74.84
Iowa	8,497	12,767	37,334	49,812	3.81	5.76	15.53	20.52	13.36	20.14	62.44	81.70
Missouri	7,816	13,067	28,707	52,795	2.52	3.97	8.43	14.99	8.54	14.45	33.41	61.46
North Dakota	1,526	4,550	12,883	15,549	4.78	7.89	19.92	24.26	15.96	27.19	64.81	67.40
South Dakota	1,606	3,825	11,593	14,928	4.00	6.56	18.21	21.21	12.92	22.59	65.43	78.25
Nebraska	4,403	7,454	20,580	26,898	4.13	6.27	15.88	19.10	13.67	20.77	59.75	74.15
Kansas	4,622	9,813	26,257	42,908	3.14	5.81	14.84	23.38	10.58	19.54	56.71	89.96
South Atlantic	12,922	26,763	73,475	187,828	1.24	2.19	5.25	11.65	3.89	7.18	17.37	40.02
Delaware	454	605	1,677	3,279	2.40	3.00	7.52	13.44	9.27	11.28	31.91	59.90
Maryland	2,803	3,792	8,242	21,672	2.30	2.92	5.69	13.41	8.45	10.49	22.81	57.02
Dist. of Col.	1,077	2,680	4,297	11,594	3.86	8.10	9.82	21.00	17.78	37.30	35.45	132.22
Virginia	1,989	4,408	12,975	22,479	1.07	2.15	5.62	8.73	3.39	6.77	18.82	30.18
West Virginia	2,009	4,094	11,402	25,775	2.10	3.36	7.79	14.95	6.80	11.57	26.28	51.11
North Carolina	950	3,038	12,148	38,990	.50	1.38	4.75	13.27	1.51	4.40	14.48	40.93
South Carolina	894	1,952	6,627	15,813	.67	1.29	3.94	8.48	1.93	3.72	11.63	25.26
Georgia	1,980	4,420	9,076	17,763	.89	1.70	3.13	5.55	2.68	5.32	9.72	17.40
Florida	766	1,774	7,031	30,461	1.45	2.35	7.26	21.59	4.68	9.36	25.79	94.64
East South Central	7,097	15,683	32,852	83,643	.94	1.86	3.69	8.88	2.90	5.81	11.86	27.80
Kentucky	3,038	5,649	8,117	22,517	1.41	2.47	3.36	8.82	4.57	7.98	11.56	30.91
Tennessee	1,751	4,103	10,141	22,768	.87	2.02	4.34	9.10	2.71	6.32	14.33	30.23
Alabama	923	2,905	9,119	20,196	.50	1.36	3.88	7.85	1.51	4.25	11.85	23.81
Mississippi	1,385	2,726	[1] 5,475	18,162	.89	1.52	3.06	10.15	2.63	4.46	9.26	25.93
West South Central	7,666	25,955	75,586	131,113	1.25	2.95	7.38	11.10	3.76	9.09	23.85	37.02
Arkansas	1,370	3,187	7,707	14,147	1.04	2.04	4.40	7.28	3.09	5.99	13.67	22.60
Louisiana	1,135	4,252	11,367	21,689	.82	2.57	6.32	11.12	2.52	7.90	20.39	36.07
Oklahoma	686	6,739	22,906	29,359	1.72	4.07	11.29	12.10	5.50	12.99	36.00	39.23
Texas	4,465	11,777	33,606	65,918	1.46	3.02	7.21	12.01	4.38	9.09	23.81	41.78
Mountain	6,334	16,282	57,845	81,016	3.78	6.18	17.34	20.73	14.18	24.21	65.53	74.61
Montana	923	2,634	12,208	13,005	3.79	7.01	22.24	23.73	17.04	31.40	88.88	77.07
Idaho	400	2,175	8,592	10,457	2.47	6.68	19.89	19.15	8.64	23.87	70.68	68.45
Wyoming	254	796	3,742	6,121	2.74	5.46	19.25	24.78	11.49	24.77	79.59	98.86
Colorado	2,794	5,211	13,200	24,865	5.18	6.52	14.05	22.81	20.96	27.03	56.94	91.71
New Mexico	343	793	4,140	5,284	1.76	2.43	11.49	13.34	5.74	9.27	38.33	44.23
Arizona	300	1,001	6,339	8,309	2.44	4.91	18.97	17.53	9.44	20.40	72.97	69.69
Utah	1,095	3,053	8,240	10,678	3.96	8.19	18.34	20.11	12.14	25.08	61.22	67.79
Nevada	225	619	1,384	2,297	5.30	7.57	16.59	29.83	24.96	35.51	89.75	133.85
Pacific	10,379	33,350	79,573	196,778	4.50	7.96	14.29	27.93	18.79	34.51	68.13	136.87
Washington	2,376	10,493	20,595	32,546	4.69	9.21	15.18	20.51	18.13	40.66	66.59	90.15
Oregon	1,594	4,640	9,998	19,989	3.86	6.90	12.76	22.16	14.64	27.62	55.67	96.31
California	6,909	18,211	48,980	144,243	4.65	7.06	14.29	31.66	20.38	33.72	72.12	165.97

[1] Figure for 1919.

Source: Office of Education, Department of the Interior.

No. 126.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND COLORED SCHOOL POPULATION IN 16 STATES

State	Enrollment in elementary and secondary schools				Ratio of enrollment in public schools to school population, per cent				Average number of days attended by each pupil enrolled, 1928	
	White		Colored		White		Colored			
	1920	1928	1920	1928	1920	1928	1920	1928	White	Colored
Total	5,392,635	6,254,635	1,954,225	2,207,467	0.809	0.842	0.698	0.710	123	95
Delaware	31,897	34,380	6,586	6,489	.711	.731	.858	.853	161	145
Maryland	197,088	220,413	44,530	50,487	.663	.703	.694	.759	160	136
Dist. of Columbia	45,775	51,901	19,523	25,467	.826	.829	.883	(1)	149	150
Virginia	360,941	401,424	144,249	152,293	.762	.762	.668	.668	134	105
West Virginia	328,719	377,133	17,537	23,981	.796	.787	.845	.966		
North Carolina	478,189	586,697	213,060	262,081	.833	.900	.805	.869	120	96
South Carolina	226,065	248,272	251,980	228,008	.876	.862	.808	.675	129	83
Georgia	428,960	463,438	261,958	241,498	.812	.789	.647	.557	119	100
Florida	157,666	267,818	67,494	93,539	.883	(1)	.717	.873	124	98
Tennessee	512,821	555,025	107,031	121,396	.891	.898	.810	.895	117	108
Alabama	401,582	430,707	168,358	204,583	.856	.770	.561	.631	116	92
Mississippi	[2] 220,861	315,285	[2]191,809	290,248	.802	(1)	.608	.738	118	76
Arkansas	360,826	368,255	122,340	110,853	.869	.794	.824	.691	110	93
Louisiana	236,301	269,648	117,778	145,833	.700	.739	.536	.643	130	85
Oklahoma	544,821	632,858	44,461	49,401	.925	.941	.940	.649	101	86
Texas	860,123	1,031,381	175,525	201,315	729	.778	.761	.795	131	106

[1] No estimate of population made. [2] Figures from report of the Bureau of the Census, 1920.

No. 127—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF SECONDARY PUPILS

NOTE.—Data are from reports received from the schools. (See headnote, Table 120.) The enrollment in high schools in outlying territories and possessions for 1928 is as follows: Alaska, 650; Canal Zone, 530; Hawaii, 4,797 (399 in 1920); Philippine Islands, 18,896; Porto Rico, 3,099 (2,790 in 1920); Virgin Islands, 34.

Division and State	1890	1910	1920	1928	Division and State	1890	1910	1920	1928
Continental U. S.	297,894	1,032,461	2,041,308	3,623,722	S. Atlantic—Con.				
New England	48,046	112,427	181,536	263,987	Dist. of Col	2,672	6,331	10,527	16,843
Me	7,357	13,351	23,968	26,203	Va	4,803	15,264	31,455	54,535
N. H	4,450	8,108	11,322	16,830	W. Va	822	4,815	18,001	38,388
Vt	4,543	6,017	10,224	9,960	N. C	3,684	13,401	33,713	78,936
Mass	23,096	61,176	92,841	143,282	S. C	2,143	6,500	12,634	26,677
R. I	2,442	7,443	10,752	18,713	Ga	6,436	14,616	27,417	42,840
Conn	5,558	16,332	32,629	48,039	Fla	1,119	3,842	10,494	29,199
Mid. Atlantic	63,834	216,990	398,794	782,524	E. S. Central	14,290	47,191	89,435	167,515
N. Y	38,758	115,542	187,841	409,935	Ky	4,018	12,845	24,684	58,101
N. J	6,956	26,635	60,916	109,369	Tenn	4,706	15,343	24,291	48,453
Pa	18,120	74,813	150,037	263,220	Ala	2,829	9,847	23,884	36,945
E. N. Central	74,721	255,695	467,400	832,943	Miss	2,737	9,156	16,626	24,006
Ohio	23,470	85,524	123,434	219,952	W. S. Central	9,976	57,268	154,485	258,385
Ind	8,998	45,511	68,882	124,338	Ark	1,687	8,025	17,306	25,962
Ill	18,514	68,245	137,217	253,052	La	1,961	5,858	18,504	37,110
Mich	13,824	42,364	75,201	141,398	Okla	231	9,228	39,459	68,332
Wis	9,915	33,991	62,666	94,203	Tex	6,097	34,157	79,216	126,981
W. N. Central	43,534	167,502	324,544	510,218	Mountain	3,171	31,111	81,170	139,537
Minn	6,817	29,645	57,208	97,242	Mont	505	3,379	15,199	23,246
Iowa	13,699	43,173	75,299	110,222	Idaho	132	2,805	11,555	22,724
Mo	10,086	36,311	67,331	101,017	Wyo	179	976	3,970	8,798
N. Dak	313	4,696	15,065	21,284	Colo	1,192	12,714	22,728	37,694
S. Dak	563	6,155	14,139	25,219	N. Mex	133	1,560	4,445	9,044
Nebr	5,068	20,701	38,442	64,861	Ariz	42	1,375	5,476	11,887
Kans	6,988	26,821	57,060	90,373	Utah	739	7,520	16,010	23,306
					Nev	249	722	1,787	2,838
S. Atlantic	25,369	76,835	166,922	329,804	Pacific	14,953	67,702	176,972	338,809
Del	796	1,953	3,474	5,963	Wash	805	19,522	42,944	73,453
Md	2,804	9,923	19,207	36,433	Oreg	1,292	9,791	24,954	40,119
					Calif	12,856	38,389	109,074	225,237

Source of Tables 126 and 127: Office of Education, Department of the Interior.

No. 128.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF TEACHERS AND PUPILS, 1927–28

NOTE.—Data for public high schools are compiled from reports from the schools and include seventh and eighth grades in junior high. (See also headnote, Table 120.) Data for teachers and pupils in private high schools and academies are as furnished by reporting schools, supplemented by reports from the State departments of education and information furnished by the National Catholic Welfare Conference

Division and State or *outlying area*	Public high schools					Private high schools and academies				
	Number reporting	Teachers		Pupils		Number reporting	Teachers		Pupils	
		Male	Female	Male	Female		Male	Female	Male	Female
Continental U. S.	18,116	64,931	117,706	2,028,722	2,188,591	2,448	8,157	13,631	159,489	181,669
New England	836	4,031	9,743	150,604	157,352	265	1,254	1,895	30,983	34,318
Maine	184	370	745	12,193	13,288	46	124	220	2,462	3,082
New Hampshire	105	284	573	8,461	8,913	26	202	138	2,671	1,405
Vermont	80	137	341	4,966	5,539	16	49	96	196	457
Massachusetts	342	2,356	5,365	89,479	92,973	106	435	711	19,862	23,762
Rhode Island	27	248	1,154	10,560	11,018	18	98	93	1,860	1,972
Connecticut	98	636	1,565	24,945	25,623	53	346	637	3,933	3,640
Middle Atlantic	1,980	12,294	23,213	464,984	453,294	495	2,014	3,971	38,919	35,492
New York	773	5,395	11,901	245,121	224,971	250	1,024	1,554	21,168	18,594
New Jersey	185	1,668	3,234	59,457	58,588	80	422	438	6,363	5,107
Pennsylvania	1,022	5,231	8,078	160,406	169,735	165	568	979	11,388	11,791
East North Central	3,862	16,464	25,999	471,842	498,151	410	1,127	2,694	37,929	45,053
Ohio	1,076	4,562	6,960	134,551	140,885	100	281	812	8,892	11,544
Indiana	709	3,163	4,118	72,172	75,691	46	136	181	3,124	2,873
Illinois	989	4,149	6,860	125,840	129,114	123	342	880	17,586	19,883
Michigan	603	2,920	5,024	90,663	97,570	98	154	556	5,400	7,344
Wisconsin	425	1,670	3,037	48,616	54,891	43	164	265	2,927	3,409
West North Central	4,197	10,030	17,774	266,028	309,744	361	846	1,760	16,680	21,902
Minnesota	562	1,608	3,532	50,333	62,292	60	172	344	4,374	5,000
Iowa	920	2,284	4,264	57,956	66,433	115	121	420	3,476	4,335
Missouri	706	1,885	2,894	53,241	59,141	74	253	344	3,903	4,626
North Dakota	345	559	592	9,010	12,530	16	25	60	301	738
South Dakota	281	623	826	11,327	14,761	13	28	67	310	611
Nebraska	591	1,200	2,208	32,509	37,886	37	46	214	1,133	1,932
Kansas	723	1,871	3,458	51,652	56,701	46	201	302	3,183	4,660
South Atlantic	2,091	5,453	10,941	171,334	211,023	273	1,053	1,321	10,600	13,457
Delaware	21	83	157	2,700	3,248	7	30	49	583	412
Maryland	152	597	1,250	22,206	25,348	47	171	211	2,032	1,972
Dist. of Col	17	245	608	9,238	10,399	27	85	168	1,302	1,530
Virginia	357	684	1,806	25,279	32,863	51	271	186	377	887
West Virginia	271	892	1,431	23,917	27,885	13	35	54	483	612
North Carolina	585	1,237	2,168	34,001	44,486	48	249	299	2,957	4,417
South Carolina	202	480	795	11,548	15,008	22	52	95	783	961
Georgia	309	755	1,279	22,047	27,976	35	117	166	1,533	1,902
Florida	177	480	1,447	20,338	23,810	23	43	93	550	764
East South Central	1,531	3,001	5,445	85,484	105,891	197	573	705	7,523	9,527
Kentucky	598	1,083	1,608	26,452	32,809	80	136	290	2,339	3,941
Tennessee	397	859	1,523	25,336	31,324	43	171	135	752	774
Alabama	231	590	1,342	21,107	25,349	45	192	185	2,775	3,479
Mississippi	305	469	972	12,579	15,849	29	74	95	1,657	1,333
West South Central	1,761	4,420	8,088	140,374	182,789	184	416	720	4,633	6,275
Arkansas	246	509	846	15,469	17,931	22	58	84	914	1,015
Louisiana	242	542	1,002	15,216	19,343	56	113	182	1,908	2,257
Oklahoma	555	1,388	2,189	40,794	46,985	38	48	124	673	945
Texas	718	1,981	4,051	68,895	78,530	68	197	330	1,138	2,058
Mountain	864	2,885	4,661	79,698	87,346	78	215	371	3,348	4,987
Montana	193	398	765	10,972	13,302	12	21	49	501	681
Idaho	161	471	596	11,518	12,720	12	17	55	244	418
Wyoming	76	210	351	5,005	5,751	2	6	4	10	29
Colorado	191	760	1,557	24,306	26,646	17	43	84	678	935
New Mexico	95	168	298	4,631	5,049	18	21	57	427	555
Arizona	51	268	401	6,694	6,898	7	30	21	152	221
Utah	82	537	560	14,743	15,181	8	77	100	1,336	2,148
Nevada	25	73	133	1,829	1,799					
Pacific	994	6 353	11,842	198,374	203,501	187	659	1,194	8,874	10,658
Washington	308	1,228	2,074	39,667	43,253	32	147	162	2,270	2,086
Oregon	244	643	1,271	20,314	22,223	22	83	235	650	997
California	442	4,482	8,497	138,393	138,025	133	429	797	5,954	7,575
Alaska Territory	13	21	25	318	332					
Canal Zone	2	6	14	252	278					
Hawaii Territory	15	108	215	3,936	3,283	8	75	69	1,708	916
Philippine Islands	30	287	141	12,297	6,599	39	250	151	18,934	10,485
Porto Rico	13	52	104	1,486	1,613	9	17	50	213	616
Virgin Islands	2	7	3	93	79					

Source: Office of Education, Department of the Interior.

No. 129.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899–1900 [1]	1909–10	1919–20	1925–26	1926–27	1927–28	1928–29
HAWAII TERRITORY							
Public schools:							
Number	140	152	173	182	187	185	187
Teachers	352	486	1,161	1,977	2,145	2,298	,485
Male	112	106	143	278	337	388	448
Female	240	380	1,018	1,699	1,808	1,910	2,037
Pupils [2]	11,501	19,909	38,295	58,860	62,208	66,434	70,232
Male	6,339	10,937	20,044	30,344	32,019	34,062	36,148
Female	5,162	8,972	18,251	28,516	30,189	32,372	34,084
Hawaiian	4,977	4,381	3,283	3,465	3,323	3,355	3,376
Part-Hawaiian	2,631	3,842	4,100	5,978	6,526	7,109	7,446
Anglo-Saxon	1,250	1,505	1,033	2,101	2,345	2,974	3,001
Spanish			379	292	273	261	248
Portuguese	3,809	4,662	5,304	5,859	5,868	5,993	6,093
Japanese	1,352	7,078	17,541	30,295	32,316	34,021	37,112
Chinese	1,289	2,855	3,721	5,046	5,890	6,157	6,545
Porto Rican		372	1,068	1,047	1,031	1,053	1,097
Korean		260	508	1,149	1,310	1,444	1,590
Filipino			941	2,300	2,570	2,796	3,026
All other	229	582	507	728	756	671	698
PORTO RICO							
Population	953,243	[3]1,118,012	[3]1,299,809	[4]1,422,000	[4]1,440,000	[4]1,459,000	[5]1,581,000
Persons of school age	322,303	[3]390,640	[3]452,446	[4]490,145	[4]498,000	[4]506,000	[5]514,000
Persons attending school	25,528	121,463	184,991	213,641	213,321	220,040	220,634
Teachers	525	1,692	3,286	4,478	4,483	4,478	4,498
Public school buildings	[6]	274	569	905	991	1,035	1,047
Rented buildings	[6]	751	1,195	1,376	1,193	1,109	1,191
Schoolrooms	525	[7]	3,090	4,445	4,454	4,470	4,602
School expenditures	$288,098	$1,244,502	$3,150,761	$6,556,361	$6,438,842	$6,503,842	$6,433,150
For university			$188,884	$539,225	$585,945	$669,376	$615,708
Expenditures per inhabitant	$0.30	$1.11	$2.42	$4.61	$4.47	$4.46	$4.07
PHILIPPINE ISLANDS							
Schools	2,285	4,531	5,944	7,278	7,348	7,348	
Primary	2,233	4,295	5,280	5,991	5,993	5,946	
Intermediate	17	198	614	1,180	1,242	1,276	
Secondary	35	38	50	107	113	126	
Teachers	4,641	9,007	17,575	25,175	25,971	26,251	
American	787	732	341	288	294	293	
Filipino	3,854	8,275	17,234	24,887	25,677	25,958	
Highest monthly enrollment	[8]227,600	[9]451,938	[10]678,956	[10]1,014,003	[10]994,480	[10]1,035,554	
ALASKA TERRITORY							
Native schools: [11]							
Number	25	77	67	86	86	95	93
Pupils enrolled	1,753	3,964	3,610	3,703	3,616	3,742	3,750
Average attendance		1,692	2,367	2,550	2,451	2,615	2,643
Teachers	27	103	138	159	167	177	187
Teachers' salaries	$18,341	$85,834	$122,014	$192,045	$203,025	$227,857	$222,370
Total cost	$29,274	$195,613	$249,456	$434,030	$437,700	$460,400	$486,500
White schools: [12]							
Teachers			163	211	232	235	244
Pupils enrolled		[13]621	3,418	4,352	4,915	4,828	5,032
Average attendance			[14]1,635	3,560	3,756	3,970	4,093
Expenditures		[13]$36,486	$330,038	$483,587	$502,661	$584,829	$541,772

[1] Statistics for Porto Rico are for 1898–99; for Philippine Islands, for 1903–4.
[2] Figures by race for 1899–1900 include 4,036 pupils in private schools, and for 1909–10, 5,625; thereafter all figures are for public schools only. The number of pupils in private schools in 1919–20 was 7,406; 1925–26, 9,651; 1926–27, 10,316; 1927–28, 9,497; 1928–29, 11,075.
[3] Census of 1910 and 1920, respectively.
[4] Census estimates as of July 1, 1926, 1927, and 1928.
[5] Estimate made by the Office of Education.
[6] No school buildings on the island, the 525 schools in operation being conducted, as a rule, in teachers' residences.
[7] Not available. [8] March. [9] September. [10] Average monthly enrollment.
[11] Statistics for 1899–1900 are for all public schools.
[12] Including mixed schools outside of incorporated towns and districts.
[13] Native and mixed schools outside of incorporated towns only.
[14] Mixed and white schools outside of incorporated towns not included.

Sources: Hawaii and Porto Rico; reports of the Governor of Hawaii and Porto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Office of Education, Department of the Interior; white schools, reports of the Governor of Alaska.

No. 130.—UNIVERSITIES, COLLEGES, AND

Division and State or Territory	Number of institutions, 1928	Professors and instructors, 1928		Students—Total enrollment, excluding duplicates					
				1900	1910	1920	1928		
		Male	Female				Total	Male	Female
Continental U. S.	1,071	52,263	14,946	[1] 224,284	[2] 332,696	521,754	919,381	563,244	356,137
New England	57	5,149	893	19,356	25,379	44,657	70,132	49,593	20,539
Maine	5	223	27	1,520	2,012	2,647	3,243	2,415	828
New Hampshire	3	353	12	955	1,566	2,068	4,184	3,683	501
Vermont	4	252	40	670	926	1,643	2,353	1,569	784
Massachusetts	32	3,355	703	12,312	15,726	31,334	49,432	33,124	16,308
Rhode Island	3	201	13	943	1,170	1,738	3,233	2,520	713
Connecticut	10	765	98	2,950	3,979	4,627	7,687	6,282	1,405
Middle Atlantic	145	12,659	2,482	32,821	52,191	105,501	211,546	138,629	72,917
New York	62	7,237	1,541	17,063	29,517	62,579	133,517	85,401	48,116
New Jersey	15	603	94	2,394	3,030	4,235	10,333	8,549	1,784
Pennsylvania	68	4,720	827	13,364	19,644	38,687	67,696	44,679	23,017
East North Central	184	10,477	2,719	41,959	74,474	122,614	199,232	123,452	75,780
Ohio	57	3,153	938	11,794	19,105	31,699	61,809	34,948	26,861
Indiana	26	1,129	335	4,908	12,775	16,820	22,283	14,716	7,567
Illinois	56	3,441	806	15,397	26,191	44,038	69,807	43,327	26,480
Michigan	29	1,588	357	5,737	8,508	14,817	27,054	18,649	8,405
Wisconsin	16	1,166	283	4,123	7,895	14,340	18,279	11,812	6,467
West North Central	192	6,944	2,561	31,767	48,203	80,945	113,389	67,918	45,471
Minnesota	29	1,502	525	4,821	7,481	17,210	22,712	14,128	8,584
Iowa	43	1,351	617	7,437	11,148	18,986	23,615	13,577	10,038
Missouri	52	1,725	517	7,978	10,011	16,319	25,573	16,640	8,933
North Dakota	5	228	89	644	1,419	2,777	4,075	2,477	1,598
South Dakota	11	272	117	1,388	2,187	3,095	4,678	2,665	2,013
Nebraska	17	708	266	3,918	5,532	9,088	14,200	8,099	6,101
Kansas	35	858	430	5,581	10,425	12,770	18,536	10,332	8,204
South Atlantic	168	6,991	2,102	24,545	34,549	59,391	90,017	58,114	40,903
Delaware	1	57	21	137	291	498	707	396	311
Maryland	18	1,273	267	3,284	4,136	9,763	13,625	9,099	4,526
Dist. of Columbia	11	1,065	92	2,872	4,361	9,401	14,342	9,949	4,393
Virginia	32	883	377	4,032	6,149	9,174	15,034	9,163	5,871
West Virginia	13	342	125	996	1,502	3,163	7,044	3,707	3,337
North Carolina	33	788	453	4,659	6,088	8,885	16,644	9,302	7,342
South Carolina	22	480	258	3,662	5,325	5,486	11,095	5,035	6,060
Georgia	32	819	366	4,220	5,597	10,856	15,037	8,509	6,528
Florida	6	284	143	683	1,100	2,145	5,489	2,954	2,535
East South Central	90	2,106	886	20,781	22,685	23,787	44,790	24,784	20,006
Kentucky	27	476	220	5,309	5,353	6,720	11,506	6,644	4,862
Tennessee	32	940	265	8,919	10,205	7,365	15,474	8,405	7,069
Alabama	13	431	191	3,060	2,808	5,456	9,867	5,955	3,902
Mississippi	18	259	210	3,493	4,319	4,196	7,953	3,780	4,173
West South Central	110	3,204	1,445	10,755	17,789	32,111	70,734	36,306	34,428
Arkansas	16	265	135	1,991	2,467	3,141	6,374	3,610	2,764
Louisiana	11	689	222	2,611	3,914	4,102	10,511	5,773	4,738
Oklahoma	17	607	278	851	2,473	6,187	14,187	7,439	6,748
Texas	66	1,643	810	5,302	8,935	18,681	39,662	19,484	20,178
Mountain	37	1,472	586	5,553	8,174	13,643	29,063	17,287	11,776
Montana	5	156	54	345	577	1,727	3,139	1,971	1,168
Idaho	4	180	59	226	634	1,624	3,130	1,789	1,341
Wyoming	1	72	43	187	242	511	1,386	763	623
Colorado	12	634	179	2,471	4,133	4,211	9,303	5,754	3,609
New Mexico	4	99	18	382	455	1,006	1,661	1,204	457
Arizona	3	120	42	161	200	1,088	2,510	1,511	999
Utah	7	254	128	1,457	1,599	3,046	6,872	3,713	3,159
Nevada	1	57	13	324	334	430	1,002	582	420
Pacific	88	4,561	1,342	9,022	17,246	39,855	81,478	47,161	34,317
Washington	10	601	145	1,571	4,323	8,748	14,228	8,793	5,435
Oregon	14	583	171	1,004	3,083	7,327	10,685	6,482	4,203
California	64	3,377	1,026	5,847	9,840	23,780	56,565	31,886	24,679
Alaska	1	13	4				83	52	31
Hawaii	1	54	13		64	171	672	444	228
Porto Rico	1	71	29		652	884	1,597	628	969

[1] Includes 27,725 students in professional departments of colleges and universities not distributed by States.

PROFESSIONAL SCHOOLS: By States

Students, 1928										Total receipts, exclusive of additions to endowment (thousands of dollars)		Division and State or Territory
Preparatory		Collegiate		Graduate		Professional		All other				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	1920	1928	
30,206	20,382	402,242	292,977	26,540	17,625	93,639	5,785	16,399	22,754	189,235	496,529	C. U. S.
1,509	296	36,198	17,787	2,401	1,355	10,065	911	164	190	23,095	57,646	N. E.
------	------	2,344	800	22	17	32	3	17	8	947	2,573	Me.
110	------	3,484	404	33	9	45	------	11	28	1,483	2,944	N. H.
60	------	1,381	759	9	14	110	11	------	------	965	1,682	Vt.
1,203	296	20,981	14,001	1,677	1,058	9,075	855	108	98	13,645	33,997	Mass.
------	------	2,419	608	155	97	------	------	6	8	1,459	2,197	R. I.
46	------	5,589	1,155	505	160	794	42	22	48	4,596	14,253	Conn.
5,360	2,936	92,407	54,178	7,098	5,195	26,797	1,443	7,040	9,417	37,381	110,939	M. A.
3,006	2,315	55,682	35,050	4,578	3,814	16,575	999	5,534	6,157	20,844	64,616	N. Y.
700	26	4,785	1,575	263	6	2,774	108	27	69	2,146	8,217	N. J.
1,564	595	31,940	17,553	2,257	1,375	7,448	336	1,479	3,191	14,391	38,106	Pa.
5,661	2,137	88,016	63,602	7,029	4,738	20,145	1,139	3,848	4,517	35,199	99,412	E. N. C.
1,269	567	24,744	21,808	1,322	1,039	4,566	224	3,103	3,301	8,628	25,323	Ohio.
209	285	12,205	6,876	411	208	1,894	82	135	116	3,742	13,517	Ind.
2,537	671	28,180	21,962	3,373	2,634	8,648	612	373	676	11,736	30,280	Ill.
502	317	14,001	7,362	840	408	3,397	160	132	239	6,020	18,870	Mich.
1,084	297	8,886	5,504	783	449	1,640	61	103	185	5,073	11,422	Wis.
6,178	3,457	47,174	38,009	2,878	1,618	11,451	643	1,208	1,774	28,938	60,996	W. N. C.
1,033	1,107	9,344	7,303	1,015	390	2,180	182	40	60	6,842	14,650	Minn.
894	441	10,232	8,818	759	443	1,545	86	167	285	7,333	15,259	Iowa.
1,305	593	9,657	7,663	480	348	5,174	253	130	191	4,437	12,822	Mo.
200	71	2,017	1,427	46	22	198	17	26	70	1,364	2,305	N. Dak.
277	262	2,101	1,555	31	19	172	5	122	184	1,584	2,252	S. Dak.
771	642	5,663	5,124	236	180	1,461	35	149	220	3,162	5,501	Nebr.
793	341	8,160	7,019	311	216	721	65	574	764	4,216	7,807	Kans.
1,962	3,271	42,452	34,241	2,370	1,136	10,182	442	1,836	2,022	21,855	59,965	S. A.
------	------	387	311	9	------	------	------	------	------	414	820	Del.
386	222	5,876	3,966	403	203	1,860	68	830	211	5,461	9,361	Md.
96	92	5,256	3,271	783	490	3,620	245	353	304	1,486	4,956	D. C.
190	657	7,160	4,944	173	52	1,529	31	111	187	4,289	11,248	Va.
217	303	2,895	2,738	220	92	297	11	95	199	1,072	3,645	W. Va.
353	589	7,842	6,159	348	68	604	10	167	518	2,432	12,786	N. C.
73	286	4,446	5,431	89	92	354	10	83	241	2,850	5,383	S. C.
637	1,113	6,202	5,182	274	108	1,481	57	52	116	3,102	7,877	Ga.
10	9	2,388	2,239	71	31	437	10	145	246	749	3,884	Fla.
2,720	3,052	18,686	16,060	344	216	3,109	112	393	1,074	8,511	24,719	E. S. C.
1,324	1,414	4,222	2,956	128	90	750	43	120	390	2,229	5,701	Ky.
627	924	5,926	5,683	124	74	1,866	61	135	398	2,378	7,688	Tenn
586	362	5,081	3,662	57	35	286	3	83	28	1,850	5,080	Ala.
186	352	3,456	3,759	35	11	207	5	55	258	2,044	6,250	Miss.
2,967	3,238	28,209	28,648	869	642	3,997	272	750	2,047	12,178	30,417	W. S. C.
991	504	2,315	2,200	19	25	268	2	17	72	1,180	2,412	Ark.
348	555	4,264	3,859	113	116	991	45	64	163	1,441	4,707	La.
385	435	6,291	5,635	198	135	719	88	216	680	2,507	6,380	Okla.
1,243	1,744	15,339	16,954	539	366	2,019	137	453	1,132	7,050	16,918	Tex.
892	678	14,312	10,041	510	352	1,152	94	583	717	7,543	14,728	Mt.
75	------	1,764	1,079	42	32	100	11	9	60	1,143	1,684	Mont
------	------	1,582	1,185	60	26	49	3	102	129	943	1,811	Idaho.
94	89	561	449	18	22	27	2	63	61	445	968	Wyo.
185	183	4,543	3,085	148	116	774	67	104	160	1,800	4,657	Colo.
370	------	783	342	9	14	------	------	42	101	610	1,482	N. Mex.
37	64	1,260	788	62	49	65	4	87	94	836	1,323	Ariz.
131	337	3,269	2,740	146	54	137	7	169	104	1,347	2,123	Utah.
------	------	550	373	25	39	------	------	7	8	419	680	Nev.
2,950	1,322	34,789	29,511	3,041	2,379	6,741	729	579	998	14,534	37,707	Pac.
674	96	7,155	5,020	382	270	589	57	52	70	3,240	5,709	Wash.
354	389	4,803	3,324	165	95	1,131	225	151	260	2,723	5,257	Oreg.
1,931	837	22,831	21,167	2,494	2,014	5,021	447	376	666	8,571	26,741	Calif.
------	------	40	14	1	------	------	------	11	17	------	147	Alaska.
------	------	424	199	23	32	------	------	------	------	138	723	Hawaii.
125	188	421	685	5	11	60	20	11	65	213	748	P. R.

[2] Includes 32,006 students in professional courses and in music, art, etc., departments of universities and colleges not distributed by States.

Source: Office of Education, Department of the Interior.

No. 131.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1927–28

NOTE.—There were also 8 schools reporting 1,643 men and 222 women pursuing courses in osteopathy which are not shown in the table. Data by States are as follows: Massachusetts, 1 school with 75 men and 9 women; Pennsylvania, 1 school with 213 men and 34 women; Illinois, 1 school with 117 men and 15 women; Iowa, 1 school with 222 men and 13 women; Missouri, 3 schools with 764 men and 101 women; California, 1 school with 252 men and 50 women

Division and State or Territory	Theology			Law			Medicine			Dentistry			Pharmacy			Veterinary medicine		
	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women
Cont'l U. S.	176	12,294	1,348	136	40,478	2,216	73	20,485	942	41	9,186	116	66	10,363	762	10	610	2
New England	14	1,049	159	6	6,534	662	6	1,550	47	2	459		1	398	34			
Maine	1	32	3															
New Hampshire	1	8					1	37										
Vermont							1	119	11									
Massachusetts	9	755	140	5	6,192	644	3	1,196	22	2	459		1	398	34			
Connecticut	3	254	10	1	342	18	1	198	14									
Middle Atlantic	41	2,992	260	15	13,262	592	15	4,224	273	6	1,996	18	10	4,040	268	1	110	1
New York	18	1,313	212	10	10,058	478	9	2,365	154	3	627	6	5	2,212	149	1	110	1
New Jersey	5	647	30	1	1,751	62							1	376	16			
Pennsylvania	18	1,032	18	4	1,453	52	6	1,859	119	3	1,369	10	4	1,452	103			
East North Central	42	3,276	439	27	7,381	257	13	4,961	248	9	2,316	51	14	2,220	129	2	130	
Ohio	12	720	38	8	1,709	73	4	866	46	3	495	5	5	676	62	1	100	
Indiana	5	225	29	5	575	24	1	411	18	1	225	1	4	458	10			
Illinois	15	1,903	355	8	2,808	95	4	2,181	113	3	1,035	12	1	607	22			
Michigan	5	156	17	4	1,818	45	2	926	47	1	343	31	3	377	20	1	30	
Wisconsin	5	272		2	471	20	2	577	24	1	218	2	1	102	15			
West North Central	23	1,715	90	19	3,133	149	10	2,812	90	7	1,524	7	10	1,086	74	2	195	
Minnesota	7	449	8	4	669	24	1	650	38	1	278	3	1	134	17			
Iowa	4	139	40	2	290	8	1	449	16	1	216		2	110	9	1	119	
Missouri	6	940	1	6	1,408	98	3	916	13	3	785	2	2	361	11			
North Dakota				1	65	3	1	49	2				1	84	12			
South Dakota				1	63	2	1	44					1	65	3			
Nebraska	4	78	2	3	398	5	2	403	8	2	245	2	2	247	18			
Kansas	2	109	39	2	240	9	1	211	13				1	85	4	1	76	
South Atlantic	25	1,316	44	25	4,480	261	12	3,351	81	5	945	5	10	786	44	1	15	
Maryland	3	245	3	1	282	11	2	632	40	1	367	2	1	334	12			
Dist. of Col	3	234	3	6	2,145	200	3	957	22	2	200	2	2	84	18			
Virginia	4	256		4	479	9	2	591	16	1	102		1	101	6			
West Virginia				1	143	7	1	109	2				1	45	2			
North Carolina	4	84	3	3	307	4	2	140	1				1	73	2			
South Carolina	4	73		2	94	3	1	722					1	38				
Georgia	7	424	35	5	605	17	1	200		1	276	1	2	49	4	1	15	
Florida				3	375	10							1	62				
East South Central	13	754	33	9	1,078	33	6	1,159	25	3	277	5	5	350	16	1	15	
Kentucky	6	573	19	3	257	15	1	284	5	1	74	2	1	86	2			
Tennessee	5	163	14	4	600	16	3	726	18	2	203	3	2	174	11			
Alabama	2	18		1	120	1	1	87	1				1	37	1	1	15	
Mississippi				1	92	2	1	62	1				1	53	2			
West South Central	9	642	115	11	1,231	64	5	1,299	46	4	385	11	6	313	35	1	10	
Arkansas	2	84		1	29		1	134					1	21	2			
Louisiana				3	275	14	1	414	12	2	105	4	2	80	14			
Oklahoma	1	82	51	2	354	23	1	183	5				1	100	9			
Texas	6	476	64	5	573	27	2	568	29	2	280	7	2	112	10	1	10	
Mountain	1	67	5	8	518	25	2	229	14	1	108	5	4	171	44	1	59	1
Montana				1	52	2							1	48	9			
Idaho				1	22								1	27	3			
Wyoming				1	27	2												
Colorado	1	67	5	3	294	15	1	174	12	1	108	5	1	72	29	1	59	1
Arizona				1	66	4												
Utah				1	58	2	1	55	2				1	24	3			
Pacific	8	483	203	16	2,911	173	4	900	118	4	1,156	16	6	999	118	1	76	
Washington				2	280	13							2	233	44	1	76	
Oregon	2	151	95	3	295	16	1	214	20	1	205	2	2	242	41			
California	6	332	108	11	2,336	144	3	686	98	3	891	14	2	524	33			
Porto Rico				1	27	1							1	39	19			

Source: Office of Education, Department of the Interior.

No. 132.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: LIBRARIES AND OTHER PROPERTY

[All money figures in thousands of dollars]

Division and State or Territory	Volumes in libraries		Value of libraries, scientific apparatus, machinery, and furniture		Value of grounds, buildings, and dormitories		Productive funds		
	1920	1928	1920	1928	1920	1928	1910	1920	1928
Cont'l U. S.	24,191,204	40,497,291	110,848	245,589	535,683	1,419,341	259,377	556,350	1,150,112
New England	5,831,211	7,455,477	12,473	21,425	61,432	131,392	62,876	137,747	270,918
Maine	296,000	381,092	1,348	1,100	2,945	5,115	3,226	3,679	9,449
New Hampshire	203,765	313,000	353	907	3,819	6,843	3,280	5,284	10,947
Vermont	193,000	214,508	613	756	2,448	4,621	1,189	2,581	5,643
Massachusetts	3,326,606	4,403,157	6,585	10,789	33,659	63,444	36,541	92,571	174,222
Rhode Island	295,200	445,000	173	362	812	7,468	3,467	3,266	9,632
Connecticut	1,516,640	1,698,720	3,401	7,331	17,749	43,901	15,173	30,366	67,025
Middle Atlantic	4,726,388	8,477,717	23,740	50,106	142,201	360,176	59,009	153,262	290,947
New York	2,327,391	4,562,276	11,731	22,274	82,421	213,502	45,301	91,564	178,858
New Jersey	613,526	1,197,544	712	3,852	4,467	20,410	1,553	13,243	28,269
Pennsylvania	1,785,471	2,717,897	11,297	23,980	55,313	126,264	12,155	48,455	83,820
East North Central	4,995,326	8,039,987	24,455	53,895	98,599	286,663	50,382	83,071	193,599
Ohio	1,410,005	2,525,789	6,052	14,307	28,621	75,730	13,762	23,004	61,706
Indiana	536,711	859,561	3,068	5,295	13,341	34,496	4,605	7,948	19,422
Illinois	1,828,636	2,669,715	7,836	13,834	33,882	105,822	25,840	46,943	92,034
Michigan	661,646	1,159,677	3,912	13,256	11,148	46,799	3,157	3,411	9,509
Wisconsin	558,327	825,245	2,987	7,203	11,607	23,816	3,018	6,765	10,928
West North Central	2,705,079	4,772,619	17,252	38,521	66,121	184,137	22,906	46,794	84,117
Minnesota	507,788	903,650	3,666	7,532	16,040	43,540	2,827	7,818	17,742
Iowa	580,179	1,062,378	4,808	9,212	15,665	31,684	4,845	10,797	16,830
Missouri	712,286	1,204,420	3,787	9,357	14,015	61,191	8,928	17,152	27,641
North Dakota	104,750	148,495	759	1,902	2,041	4,170	2,700	3,788	4,618
South Dakota	101,936	192,981	505	1,435	2,485	6,232	482	968	3,508
Nebraska	228,940	474,959	1,104	3,471	6,053	16,044	1,316	2,449	6,332
Kansas	469,200	695,766	2,623	5,612	9,822	21,276	1,808	3,822	7,446
South Atlantic	2,347,485	4,194,558	10,356	27,432	73,119	193,368	13,666	34,562	104,751
Delaware	27,000	38,000	258	651	1,407	2,028	83	395	534
Maryland	486,372	777,935	2,566	5,979	20,488	32,550	4,759	10,803	27,877
Dist. of Columbia	431,992	700,236	727	1,691	6,143	23,714	387	3,851	7,718
Virginia	441,400	687,284	1,671	3,594	10,880	26,983	3,939	7,369	16,212
West Virginia	93,000	191,291	[1]68	1,731	3,684	11,497	435	973	3,276
North Carolina	262,493	668,398	1,444	4,569	7,846	49,298	1,237	2,936	33,152
South Carolina	231,469	334,047	1,770	2,702	9,867	17,298	930	1,735	4,412
Georgia	290,643	550,766	1,438	3,618	10,619	21,958	1,161	5,071	9,539
Florida	83,111	156,631	414	2,897	2,185	8,042	735	1,424	2,031
East South Central	692,675	1,371,747	4,213	9,673	21,433	62,525	8,377	17,015	47,931
Kentucky	207,112	386,874	947	2,294	5,042	15,671	1,860	4,042	17,104
Tennessee	262,545	487,628	1,345	3,633	7,563	23,838	3,603	8,833	21,461
Alabama	125,176	291,729	856	1,616	4,997	10,381	1,464	2,489	5,661
Mississippi	97,842	205,516	1,065	2,130	3,831	12,635	1,450	1,651	3,705
West South Central	768,149	1,810,830	6,028	17,004	25,761	75,616	7,691	16,230	56,557
Arkansas	81,343	173,126	639	1,169	3,263	5,810	227	770	2,099
Louisiana	166,134	326,695	863	2,993	5,159	16,951	3,116	6,488	10,458
Oklahoma	91,480	230,574	943	2,391	3,814	10,661	1,518	3,925	4,874
Texas	429,192	1,080,435	3,583	10,451	13,525	42,194	2,830	5,047	39,126
Mountain	628,392	1,282,905	3,637	8,671	11,549	35,146	3,223	4,692	15,715
Montana	74,500	212,280	390	973	1,325	5,260	1,209	-------	1,948
Idaho	56,700	118,200	512	858	1,382	2,850	577	1,719	2,590
Wyoming	46,000	69,000	325	548	655	2,255	23	807	2,124
Colorado	245,779	464,726	910	2,995	3,802	13,301	1,237	1,637	5,702
New Mexico	34,562	64,833	349	840	765	2,334	22	70	963
Arizona	32,600	77,000	206	719	1,123	2,403	10	10	672
Utah	103,751	227,932	623	1,384	1,931	5,217	-------	120	1,374
Nevada	35,500	48,934	222	354	566	1,526	145	329	336
Pacific	1,495,500	3,091,421	8,794	18,862	35,467	90,318	31,247	57,977	79,577
Washington	251,507	521,983	1,402	3,313	5,293	12,084	802	8,449	10,156
Oregon	216,304	413,596	1,109	3,032	4,830	11,734	656	4,244	5,319
California	1,027,689	2,155,842	6,283	12,517	25,344	66,500	29,789	45,284	64,102
Alaska Territory	-------	8,050	-------	134	-------	222	-------	-------	50
Hawaii Territory	21,788	44,054	169	369	275	2,307	-------	-------	6
Porto Rico	8,000	19,471	102	326	242	644	-------	11	224

[1] Data for University of West Virginia not included.

Source: Office of Education, Department of the Interior.

No. 133.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS AND TEACHERS AND STUDENTS, BY SEX, BY STATES

Division and State or outlying area	Public normal schools and public and private teachers' colleges									Private normal schools, 1928		
	Number, 1928	Teachers				Students				Number	Teachers	Students
		1910[1]	1920	1928		1910[1]	1920	1928				
				Male	Female			Male	Female			
Cont'l U.S.	280	4,814	6,325	5,253	7,766	113,011	152,909	57,374	225,388	69	1,443	14,667
New England	28	516	688	199	698	6,354	5,496	758	10,106	13	270	2,370
Maine	7	70	84	38	107	1,548	574	234	2,233			
New Hampshire	3	21	59	22	50	172	837	107	1,095			
Vermont	1	29	15	1	9	271	280	2	123			
Massachusetts	11	262	324	106	294	2,183	2,779	372	4,649	9	224	1,982
Rhode Island	1	50	81	12	63	787	457	43	847			
Connecticut	5	84	105	20	175	1,393	569		1,159	4	46	388
Middle Atlantic	39	1,291	1,383	577	1,480	30,014	18,789	5,201	34,199	14	340	4,008
New York	16	630	693	261	723	14,400	9,448	2,096	17,890	8	211	1,271
New Jersey	6	174	186	38	166	4,293	1,610	200	4,026	2	52	926
Pennsylvania	17	487	499	278	586	11,321	8,731	2,905	12,193	4	77	1,811
East North Central	79	817	1,826	1,173	1,607	22,512	37,607	13,213	42,732	9	193	1,409
Ohio	9	113	320	215	206	1,966	6,976	1,113	5,633	3	64	344
Indiana	4	60	206	154	163	3,297	5,812	2,147	5,840	1	28	176
Illinois	8	191	348	270	361	7,115	8,495	2,932	13,028	5	101	887
Michigan	31	220	431	286	513	6,574	7,478	3,537	11,282			
Wisconsin	27	233	521	248	364	3,560	8,846	3,484	6,949			
West North Central	32	785	1,564	858	1,132	21,547	31,825	10,020	36,675	6	87	1,141
Minnesota	6	154	204	76	181	4,082	3,969	581	4,813	2	30	439
Iowa	1	88	172	86	126	2,861	4,158	974	4,742	1	20	215
Missouri	9	212	359	253	254	6,160	8,828	3,003	9,401			
North Dakota	5	58	214	91	171	981	2,574	1,029	4,446			
South Dakota	4	94	197	95	115	1,390	2,581	691	2,965	1	12	129
Nebraska	4	66	172	92	122	2,697	3,652	1,449	4,054	2	25	357
Kansas	3	113	246	165	163	3,376	6,063	2,293	6,254			
South Atlantic	36	594	800	526	820	11,217	13,334	4,845	24,592	4	61	847
Maryland	5	40	87	17	71	622	915	142	1,256			
Dist. of Col.	2	28	31	4	43	347	191	42	496	1	14	200
Virginia	8	181	203	178	279	2,835	4,644	1,033	7,480			
West Virginia	7	114	164	126	109	3,208	2,753	2,455	6,130			
North Carolina	6	95	125	106	139	1,837	2,100	384	5,923	1	25	281
South Carolina	1	77	49	43	37	1,276	918	320	650	2	22	366
Georgia	7	32	141	52	142	821	1,813	463	2,651			
Florida		27				271						
East South Central	21	171	448	503	564	5,130	10,946	6,892	23,734	3	303	2,737
Kentucky	6	76	124	159	180	2,883	3,164	2,669	6,514			
Tennessee	5		135	189	148		3,880	2,373	8,398	1	23	86
Alabama	7	86	161	100	189	1,825	2,859	1,407	7,154	1	259	2,324
Mississippi	3	9	28	54	47	422	1,043	443	1,668	1	21	327
West South Central	21	270	782	814	726	8,391	21,188	10,752	29,850			
Arkansas	2	23	48	39	39	554	1,109	921	1,495			
Louisiana	3	61	86	63	74	1,559	1,223	468	2,546			
Oklahoma	7	131	295	352	215	4,377	10,361	4,206	10,583			
Texas	9	55	333	360	400	1,901	8,475	5,157	15,226			
Mountain	12	149	449	270	272	2,888	6,766	2,104	9,359	3	52	941
Montana	2	23	46	23	37	186	567	96	992			
Idaho	2	33	68	31	44	458	1,083	208	1,311	1	21	449
Colorado	3	38	129	111	99	1,278	2,348	998	4,031	1	9	240
New Mexico	3	29	68	52	47	672	2,057	426	1,083			
Arizona	2	26	61	53	45	294	659	376	1,342			
Utah			77				52			1	22	252
Pacific	12	221	426	334	485	4,953	5,978	3,589	14,232	7	137	1,217
Washington	3	69	165	80	125	1,286	2,840	785	3,099	3	63	553
Oregon	2	29	28	24	86	472	737	307	2,481	2	42	448
California	7	123	232	230	254	3,200	2,401	2,497	8,652	2	32	216
Hawaii	1		54	22	49		423	220	1,614			
Philippine Islands	1			23	36			887	1,056			
Private teachers' colleges only (included above)												
Illinois	1		32	8	53		257		743			
Indiana	2		83	33	51		2,829	435	1,951			
North Carolina	1			36	47			50	1,674			
Tennessee	1		73	106	63		1,828	946	3,076			
Utah			77				52					
Virginia	1			104	71			665	1,233			

[1] *Owing to a reclassification of schools, figures differ from those in Table 121.*

Source: Office of Education, Department of the Interior.

No. 134.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

NOTE.—Summer schools are chiefly those run by universities, colleges, and normal schools

State	Nurse-training schools, 1927		Commercial schools, 1925		Summer schools, 1925		Reform schools, 1927	
	Schools	Students	Schools	Students	Schools	Students	Schools	Students
Continental United States	**1,722**	**75,638**	**739**	**188,363**	**548**	**350,076**	**158**	**84,317**
Alabama	30	827	8	1,590	13	8,963	3	1,374
Arizona	3	136	4	588	2	859	1	166
Arkansas	18	399	7	967	4	2,057	1	325
California	54	3,549	45	11,294	15	19,070	6	2,588
Colorado	21	953	13	4,861	9	8,607	2	712
Connecticut	26	1,441	20	4,468	2	184	2	872
Delaware	4	132	2	126	1	389	3	275
District of Columbia	11	848	4	2,979	3	1,824	2	950
Florida	19	552	8	2,352	2	1,516	1	856
Georgia	32	962	8	2,255	13	5,594	3	442
Idaho	10	202	3	286	6	1,723	1	442
Illinois	118	5,807	57	18,294	34	23,090	7	7,124
Indiana	32	1,699	31	7,103	20	11,503	3	2,481
Iowa	50	2,079	22	5,111	16	7,282	4	1,183
Kansas	54	1,220	18	4,628	17	11,298	3	1,560
Kentucky	25	766	13	3,205	10	3,816	2	1,581
Louisiana	14	719	9	3,264	7	6,298	1	324
Maine	29	667	8	707	6	1,619	3	530
Maryland	27	1,506	5	1,297	8	2,018	6	2,664
Massachusetts	90	4,982	29	6,991	15	7,512	9	2,824
Michigan	42	2,336	16	3,041	11	11,768	5	2,637
Minnesota	59	3,723	17	4,833	9	8,269	6	1,925
Mississippi	31	573	6	412	6	1,691	1	372
Missouri	31	1,560	16	7,576	19	12,340	8	1,212
Montana	14	432	6	2,181	3	1,824	2	338
Nebraska	23	1,083	9	1,617	14	8,872	3	695
Nevada					1	165	1	46
New Hampshire	21	446	2	245	3	619	1	238
New Jersey	49	2,091	23	5,700	8	1,627	6	3,597
New Mexico	2	28	2	478	6	1,167	1	44
New York	130	8,347	83	20,740	28	32,518	14	9,923
North Carolina	47	1,208	5	560	20	10,842	1	606
North Dakota	15	593	4	234	8	3,814	1	250
Ohio	75	3,800	44	12,468	30	16,725	7	9,851
Oklahoma	30	651	16	4,986	14	15,311	3	743
Oregon	16	565	6	2,597	6	3,028	2	389
Pennsylvania	160	7,966	53	14,092	39	21,602	9	6,148
Rhode Island	10	847	7	801	2	449	2	513
South Carolina	24	552	6	468	4	2,556	3	575
South Dakota	18	462	4	986	11	3,232	1	213
Tennessee	30	1,113	15	2,244	10	8,380	5	1,145
Texas	65	2,156	30	7,505	43	21,751	2	8,573
Utah	5	374	3	1,399	3	2,295		
Vermont	12	308			3	1,072	1	348
Virginia	42	1,313	8	1,464	14	9,595	4	915
Washington	23	1,070	15	4,680	8	5,820	5	1,721
West Virginia	36	702	12	2,004	13	6,200	2	938
Wisconsin	38	1,760	16	2,621	13	9,865	2	967
Wyoming	7	118	1	56	1	1,400	2	122
OUTLYING AREAS								
Hawaii Territory			3	322	1	655		
Philippine Islands	7	420	5	1,603				
Porto Rico	2	98	7	551	1	1,111	1	327

Source: Office of Education, Department of the Interior.

No. 135.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED, 1927

NOTE.—Philippine Islands has 1 school for the blind with 21 pupils and 1 State school for the deaf with 191 pupils and Porto Rico has 1 school for the blind with 28 pupils and 1 private school for the deaf with 48 pupils

State	Schools for the blind		Schools for the deaf						Institutions for the feeble-minded					
			State schools		Public day schools		Private schools		State institutions		Public day schools [1]		Private institutions	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Inmates	Cities reporting schools	Pupils	Schools	Inmates
Continental United States	78	6,035	66	13,033	83	3,515	15	885	51	49,791	218	51,814	34	2,416
Alabama	2	146	2	342										
Arizona	1	2	1	32										
Arkansas	2	153	2	346										
California	2	152	1	193	7	383	1	30	1	321	5	1,890	1	16
Colorado	1	71	1	167					2	336	1	625	1	14
Connecticut	1	66	2	318					1	761	7	762		
Delaware									1	112				
District of Columbia			1	135							1	711		
Florida	2	71	2	214					1	415				
Georgia	1	106	2	297	1	4	1	12	1	92	1	461		
Idaho	1	21	1	68					1	349				
Illinois	2	300	1	411	4	464	1	118	2	5,672	6	2,884	2	86
Indiana	1	147	1	396	1	9			1	1,626	4	330		
Iowa	1	114	1	309	5	69			1	1,769	10	1,320	1	53
Kansas	1	130	1	249	2	25			1	593	4	202		
Kentucky	2	112	2	356					1	520	1	360	1	113
Louisiana	2	79	1	165	1	11	1	67	1	262	1	118		
Maine	1	32	1	109					1	694	1	40		
Maryland	2	114	2	219	1	82	2	58						
Massachusetts	2	309	3	433	2	169			2	3,364	21	3,667	3	145
Michigan	2	197	1	364	9	386	1	34	1	2,751	13	5,858	3	78
Minnesota	4	283	1	258	4	150			1	2,396	28	2,250	1	38
Mississippi	1	75	2	226										
Missouri	1	113	1	311	2	109	2	102	1	577	3	718	2	32
Montana			1	86					1	284	2	99		
Nebraska	1	55	1	196	1	22			1	941	2	293		
New Hampshire					1	4			1	487	1	19		
New Jersey	3	88	1	275	3	125			3	2,392	27	3,264	5	742
New Mexico	1	84												
New York	6	451	7	1,639	4	531			5	10,080	15	10,898	4	138
North Carolina	2	219	2	416					1	503	1	345		
North Dakota	1	35	1	124					1	518				
Ohio	7	478	1	478	7	286	1	97	1	2,524	15	3,548	1	36
Oklahoma	1	143	1	345			1	13	1	346				
Oregon	1	48	1	116	1	38			1	291	1	232		
Pennsylvania	3	432	4	1,051	2	137	3	183	3	4,402	18	7,446	5	274
Rhode Island			1	102					1	433	3	535		
South Carolina	2	95	2	259					1	342				
South Dakota	1	39	1	105					1	426				
Tennessee	2	236	2	292							1	105	1	22
Texas	2	339	2	629	3	51			1	241	2	162		
Utah	1	34	1	113					1	132	1	23		
Vermont			1	45					1	260				
Virginia	2	99	2	258					1	575	3	585	1	104
Washington	3	94	1	131	4	123			1	315	4	1,326		
West Virginia	1	109	1	262							1	13		
Wisconsin	3	164	1	194	18	337	1	81	2	1,529	14	724	2	525
Wyoming									1	160				

[1] Backward and subnormal pupils.

Source: Office of Education, Department of the Interior.

No. 136.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers				Number of pupils			
						1927				1927	
	1910	1922	1927	1910	1922	Male	Female	1910	1922	Male	Female
Schools for the blind	48	63	78	531	721	220	633	4,323	4,915	3,321	2,714
Schools for the deaf, total	130	154	166	1,498	1,901	443	1,840	12,546	14,328	9,228	8,207
State	57	61	68	1,208	1,414	402	1,310	10,399	10,738	7,017	6,016
City day schools	53	74	83	189	351	19	398	1,508	2,911	1,776	1,739
Private	20	19	15	101	136	22	132	639	679	433	452
Schools for the feeble-minded and subnormal, total	41	214	303	340	1,956	316	3,177	17,670	62,214	58,966	45,055
State	25	51	51	270	492	116	464	16,678	38,761	24,355	25,436
City day schools	------	133	218	------	1,321	175	2,543	------	22,067	33,214	18,600
Private	16	30	34	70	143	25	170	992	1,386	1,397	1,019

Source: Office of Education, Department of the Interior.

No. 137.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES

NOTE.—See headnote, Table 138. Data for 1926, 1928, and 1929 include Hawaii

Class of school or course	Teachers					Pupils				
	1920	1924	1926	1928	1929	1920	1924	1926	1928	1929
VOCATIONAL SCHOOLS										
Total, all classes	7,669	16,192	18,717	20,779	22,144	285,058	652,594	753,418	858,456	886,830
Male	4,992	9,898	11,808	13,658	15,286	163,228	349,224	406,732	492,458	538,572
Female	2,677	6,294	6,909	7,121	6,858	101,830	303,370	346,686	365,998	348,258
Evening	2,565	6,778	6,979	8,065	8,976	73,122	193,274	210,238	247,968	271,817
Part time	1,773	3,530	4,316	4,590	4,449	122,974	321,101	369,186	308,917	393,053
All day	3,331	5,766	7,143	7,824	8,352	68,962	134,873	168,852	398,917	212,038
Short-unit course	------	118	279	300	367	------	3,256	5,142	8,310	9,022
Agricultural	1,570	3,454	4,858	5,434	76,350	31,301	85,984	109,528	144,901	168,444
Male	1,568	3,453	4,838	5,425	6,337	29,351	81,366	102,936	139,359	161,386
Female	2	1	20	9	13	1,950	4,618	6,593	5,542	7,058
Evening	------	591	920	1,007	1,652	------	15,227	19,230	35,192	47,283
Part time	------	55	208	274	194	------	2,143	2,716	4,458	5,128
All day	1,570	2,690	3,451	3,853	4,137	31,301	65,358	82,431	96,941	106,111
Short-unit course	------	118	279	300	367	------	3,256	5,142	8,310	9,922
Trade and industrial	4,482	8,328	9,183	10,536	11,361	184,819	409,843	486,885	537,611	563,496
Male	3,408	6,412	6,929	8,192	8,916	133,872	267,814	303,755	352,643	376,628
Female	1,054	1,916	2,254	2,344	2,445	50,947	142,029	182,930	184,968	186,868
Evening	1,779	3,386	3,227	4,146	4,547	48,354	84,973	89,694	114,629	131,084
Part time, total	1,636	3,199	3,819	4,087	4,086	115,241	291,603	332,192	365,543	367,574
Trade extension	350	773	1,137	1,300	1,341	17,159	35,475	41,834	42,531	36,161
General continuation	1,286	2,426	2,682	2,787	2,745	98,082	256,133	290,358	323,012	331,413
All day	1,047	1,743	2,137	2,303	2,728	21,224	33,262	44,799	57,439	64,838
Home economics	1,637	4,410	4,076	4,809	4,433	48,938	156,767	177,205	175,944	154,890
Male	16	33	41	41	33	5	44	42	456	558
Female	1,621	4,377	4,635	4,768	4,400	48,933	156,723	177,163	175,488	154,332
Evening	786	2,801	2,832	2,912	2,777	24,768	93,074	101,305	98,147	93,450
Part time	137	276	289	229	169	7,733	27,440	34,278	28,916	20,351
All day	714	1,333	1,555	1,668	1,487	16,437	36,253	41,622	48,881	41,089
TEACHER-TRAINING COURSES										
Total, all classes	1,082	1,021	853	773	[1] 720	12,458	18,686	19,808	17,572	15,827
Male	657	602	528	466	[1] 411	6,985	11,424	11,596	9,498	8,823
Female	425	419	325	307	309	5,471	7,262	8,210	8,074	6,999
In agriculture	293	241	200	162	165	2,310	4,747	3,927	2,394	2,775
Trade and industry	359	388	315	289	259	6,150	8,320	9,651	9,330	7,985
Home economics	414	392	338	324	298	3,652	5,619	6,228	5,848	5,067
Other and not specified	16	------	------	------	------	344	------	------	------	------

[1] Excluding duplicates.

Source: Federal Board for Vocational Education.

No. 138.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES

NOTE.—Institutions federally aided are established under the act known as the Smith-Hughes Act, or the national vocational education act. It provides for a continuing appropriation from Federal funds for the purpose of cooperating with the States in the establishment and maintenance of programs for vocational education of lower than college grades, for the preparation of teachers to instruct under these plans, and for the administration of these Federal funds by the Federal Board for Vocational Education

Division and State	Federally aided									State aided only, 1929
	Total number				1929					
	1920	1924	1928	1929	Male	Female	Agriculture	Trade and industry	Home economics	
United States[1]	265,058	652,594	858,456	886,830	538,572	348,258	168,444	563,496	154,890	161,127
New England	28,753	71,121	68,417	65,982	33,720	32,102	2,643	44,482	18,857	
Maine	1,064	1,848	1,535	1,572	904	668	548	421	603	
New Hampshire	507	463	717	560	547	13	283	277		
Vermont	423	538	609	660	558	102	247	321	92	
Massachusetts	23,086	63,398	57,172	54,061	24,687	29,374	756	36,945	16,360	
Rhode Island	930	2,612	3,382	3,645	2,071	1,574	520	1,853	1,272	
Connecticut	2,743	2,262	5,002	5,484	4,953	531	289	4,665	530	
Middle Atlantic	78,661	188,764	294,664	301,286	169,692	131,594	8,779	277,615	14,892	64,768
New York	18,185	94,919	182,850	190,021	111,509	78,512	3,987	186,034		55,947
New Jersey	8,311	26,268	37,405	34,607	20,494	14,113	925	30,333	3,349	8,821
Pennsylvania	52,165	67,577	74,409	76,658	37,689	38,969	3,867	61,248	11,543	
East North Central	69,203	175,271	172,602	169,838	106,535	63,303	30,129	97,594	42,115	37,984
Ohio	10,783	28,341	39,953	37,052	23,991	13,061	7,978	19,549	9,525	
Indiana	13,625	19,255	19,758	23,343	14,185	9,158	3,689	11,356	8,298	3,308
Illinois	15,179	45,540	42,263	42,385	25,277	17,108	6,401	26,349	9,635	
Michigan	10,889	36,945	42,815	44,740	27,654	17,086	6,092	27,627	8,021	
Wisconsin	18,817	45,490	27,813	22,318	15,428	6,890	2,969	12,713	6,636	34,676
West North Central	25,143	51,392	53,087	51,168	36,473	24,695	20,235	22,846	18,087	4,577
Minnesota	3,466	8,925	8,939	11,746	6,804	4,942	4,072	4,472	3,202	
Iowa	4,171	5,995	8,487	9,054	7,026	2,028	4,543	3,495	1,016	
Missouri	12,975	19,460	14,703	18,535	9,658	8,877	5,203	6,475	6,857	
North Dakota	1,580	1,352	2,334	2,413	1,224	1,189	1,007	272	1,134	
South Dakota	420	1,001	1,278	1,195	701	494	583	126	486	1,483
Nebraska	789	9,030	11,682	11,039	5,011	6,028	2,251	4,074	4,714	86
Kansas	1,742	5,629	5,644	7,186	6,049	1,137	2,576	3,932	678	3,009
South Atlantic	15,843	48,481	81,079	84,273	57,548	26,725	38,768	25,612	19,893	20,371
Delaware	1,130	1,775	2,156	2,068	1,454	614	359	1,573	136	
Maryland	1,430	3,006	5,806	5,761	2,992	2,769	973	2,622	2,166	
Virginia	3,162	5,564	12,020	10,340	7,703	2,646	6,940	1,440	1,969	2,074
West Virginia	1,546	2,918	3,326	3,694	2,609	1,085	1,312	1,526	856	
North Carolina	1,869	11,838	19,933	20,156	13,842	6,314	9,676	5,689	4,891	10,501
South Carolina	1,802	5,670	14,230	15,770	14,616	1,154	10,384	4,423	963	
Georgia	3,756	11,633	17,468	16,665	10,502	6,163	7,357	5,636	3,672	7,700
Florida	1,158	4,077	6,090	9,810	3,830	5,980	1,867	2,703	5,240	
East South Central	8,346	28,850	33,596	39,258	30,695	8,564	23,556	10,950	4,753	3,149
Kentucky	2,666	3,748	6,087	8,466	6,184	2,282	4,808	2,614	984	
Tennessee	1,998	9,480	10,905	12,213	8,184	4,029	5,830	3,944	2,439	
Alabama	1,838	6,634	9,631	10,487	9,443	1,044	6,678	2,926	883	
Mississippi	1,844	3,988	6,973	8,093	6,884	1,209	6,180	1,466	447	3,149
West South Central	7,084	31,608	52,105	51,070	36,154	15,516	24,477	16,928	10,265	29,581
Arkansas	2,103	4,100	6,850	8,488	6,816	1,672	6,688	857	948	2,745
Louisiana	1,280	6,752	8,007	9,806	7,428	2,378	3,976	4,954	876	11,629
Oklahoma	883	5,015	13,129	12,980	7,345	5,635	3,774	5,013	4,193	377
Texas	2,818	15,741	24,119	20,396	14,565	5,831	10,044	6,104	4,248	14,830
Mountain	16,323	19,927	32,923	34,574	24,619	9,955	9,078	17,941	7,855	697
Montana	855	1,008	1,300	1,418	1,142	276	753	389	276	
Idaho	1,301	808	2,897	2,372	1,587	785	1,098	698	576	37
Wyoming	945	2,431	3,700	3,591	2,826	765	1,009	2,066	516	
Colorado	3,951	4,683	11,677	13,650	11,254	2,396	2,393	9,665	1,592	410
New Mexico	751	1,808	2,196	1,848	1,379	469	462	946	440	241
Arizona	2,095	3,830	3,159	4,410	2,553	1,857	1,305	1,491	1,614	
Utah	6,472	4,896	7,021	6,482	3,207	3,275	1,818	1,955	2,709	
Nevada	253	313	883	803	671	132	240	431	132	
Pacific	15,612	44,180	67,318	76,887	42,331	34,556	10,292	49,416	17,179	
Washington	1,408	4,893	7,768	6,838	5,030	1,808	1,671	4,539	628	
Oregon	3,394	3,377	4,177	4,420	2,558	1,871	1,370	1,826	1,233	
California	10,810	35,910	55,373	65,620	34,743	30,877	7,251	43,051	15,318	
Hawaii			2,085	1,803	805	1,088	487	412	994	

[1] Includes Hawaii in 1928 and 1929.

Source: Federal Board for Vocational Education.

No. 139.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL TEACHER-TRAINING COURSES

NOTE.—Data relate only to institutions federally aided under vocational education act

Division and State	Total number					1929				
	1920	1924	1926	1928	1929	Male	Female	Agriculture	Trade and industry	Home economics
United States[1]	12,456	18,666	19,806	17,572	15,827	8,828	6,999	2,775	7,985	5,067
New England	1,228	1,375	1,263	1,152	1,158	703	455	153	589	416
Maine	82	53	54	91	52	9	43	9		43
New Hampshire	20	58	20	97	07	10	57	6	4	57
Vermont	73	(2)	7	4						
Massachusetts	749	817	779	719	794	540	248	91	494	209
Rhode Island	238	286	254	135	136	76	60	36	40	60
Connecticut	66	161	149	106	109	62	47	11	51	47
Middle Atlantic	1,620	3,007	4,064	4,343	2,199	1,358	841	236	1,496	467
New York	1,091	1,704	2,043	1,811						
New Jersey	125	167	338	591	605	260	345	38	421	146
Pennsylvania	404	1,136	1,483	1,941	1,594	1,098	496	198	1,075	321
East North Central	2,770	4,420	4,055	3,033	3,684	2,072	1,612	170	2,760	748
Ohio	1,286	794	1,481	594	1,032	698	334	(2)	[3] 830	202
Indiana	634	619	457	689	818	503	315	56	447	315
Illinois	385	859	838	1,058	895	345	550	42	795	58
Michigan	186	1,359	808	553	788	442	346	63	619	106
Wisconsin	279	789	471	138	151	84	67	9	75	67
West North Central	1,286	2,786	2,846	2,119	1,938	907	1,031	330	799	808
Minnesota	386	269	718	452	461	200	261	96	250	115
Iowa	181	1,424	1,019	445	416	280	136	42	202	82
Missouri	242	466	608	381	293	201	92	35	176	82
North Dakota	131	93	117	197	196	29	167	29		167
South Dakota	71	197	122	183	101	40	61	26	14	61
Nebraska	195	235	172	224	214	105	109	56	67	91
Kansas	100	102	190	237	257	52	205	52		205
South Atlantic	1,029	2,020	3,019	1,947	1,901	979	922	583	597	721
Delaware	51	45	50	72	69	50	19	21	35	13
Maryland	54	150	142	349						
Virginia	269	477	959	522	468	237	231	168	69	231
West Virginia	141	294	507	277	406	249	157	82	254	70
North Carolina	205	260	231	254	147	64	83	64	17	66
South Carolina	92	186	179	(2)	397	72	225	72		225
Georgia	169	526	871	281	420	266	163	164	103	72
Florida	48	82	80	92	85	41	44	12	29	44
East South Central	755	663	739	1,037	1,172	756	416	416	371	385
Kentucky	146	236	107	228	131	78	53	46	32	53
Tennessee	31	67	159	101	186	112	74	38	101	47
Alabama	310	192	319	348	606	458	148	225	233	148
Mississippi	268	168	154	270	249	108	141	107	5	137
West South Central	955	1,490	897	1,530	1,309	515	794	283	324	702
Arkansas	161	154	85	62	56	26	30	26		30
Louisiana	203	145	120	134	334	2	332		29	305
Oklahoma	141	531	315	318	216	93	123	56	55	105
Texas	450	660	377	1,016	703	394	309	201	240	262
Mountain	936	1,768	1,939	1,222	1,181	790	391	367	446	368
Montana	81	134	89	61	55	27	28	27		28
Idaho	64	80	105	133	177	123	54	56	71	50
Wyoming	24	122	132	134	118	89	29	47	42	29
Colorado	330	908	815	472	631	475	156	177	315	139
New Mexico	206	(2)	67	14	4		4			4
Arizona	24	25	480	108	66	22	44	24		42
Utah	203	469	239	160	91	26	65	26		65
Nevada	4	30	12	40	39	28	11	10	18	11
Pacific	1,877	1,157	922	1,331	1,199	691	508	186	585	428
Washington	130	55	117	284	151	63	88	43	22	86
Oregon	127	215	94	241	323	195	128	50	162	111
California	1,620	887	711	806	725	433	292	93	401	231
Hawaii			62	59	86	57	29	45	12	20

[1] Includes Hawaii in 1926, 1928, and 1929. [2] No report.
[3] Includes 34 enrolled in special teacher-training conferences and 212 enrolled in conference leadership courses.

Source: Federal Board for Vocational Education.

No. 140.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACT, FOR YEARS ENDED JUNE 30

EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

Classification of expenditure	1920	1922	1924	1926	1928	1929
Total	*Dollars* 6,888,500	*Dollars* 12,694,781	*Dollars* 16,551,548	*Dollars* 20,952,690	*Dollars* 23,350,702	*Dollars* 25,088,811
From Federal money	1,745,298	2,852,268	3,817,054	5,560,290	5,791,067	5,852,371
From State money	2,008,306	3,699,045	4,226,669	5,173,761	5,992,020	6,307,471
From local money	3,134,896	6,143,468	8,506,926	10,218,639	11,567,615	12,818,969
Agricultural schools	2,437,285	4,058,440	5,251,144	7,164,460	7,608,914	8,418,981
From Federal money	889,886	1,435,475	1,896,406	2,656,886	2,844,464	2,903,960
From State money	673,824	1,030,488	1,204,644	1,571,427	1,539,662	1,703,949
From local money	868,575	1,583,477	2,150,094	2,936,147	3,224,788	3,811,072
Trade or industrial schools	2,408,919	3,843,561	5,064,656	6,194,107	7,193,998	7,678,751
From Federal money	509,385	782,500	1,042,217	1,512,544	1,599,063	1,607,680
From State money	786,568	1,124,808	1,359,968	1,580,116	2,009,178	2,024,440
From local money	1,112,966	1,936,253	2,662,470	3,101,447	3,585,757	3,946,631
Home economics schools	1,054,489	2,118,563	2,742,396	3,137,394	3,721,132	3,903,119
From Federal money	155,768	245,886	331,026	499,631	492,158	481,193
From State money	329,634	671,353	740,318	810,626	1,073,784	1,125,456
From local money	569,087	1,201,204	1,671,051	1,827,137	2,155,190	2,299,470
Part-time general continuation schools	987,807	2,574,217	3,493,353	4,456,729	4,826,658	5,167,960
From Federal money	190,259	388,407	548,304	891,229	855,382	859,538
From State money	213,280	763,366	921,739	1,211,592	1,369,396	1,543,626
From local money	584,268	1,422,444	2,023,311	2,353,908	2,601,880	2,764,796

EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

Total	1,646,663	2,218,208	2,291,251	2,229,010	2,356,921	2,396,572
From Federal money	731,204	997,851	1,013,926	988,367	1,030,323	1,026,160
From State money	661,979	924,894	948,567	975,321	1,030,890	1,065,464
From local money	253,480	295,463	328,758	265,322	297,708	304,948
Training teachers of agriculture	556,580	740,051	756,354	797,143	811,765	802,611
From Federal money	260,835	337,590	342,358	346,112	352,216	343,509
From State money	232,013	309,105	313,981	354,833	359,091	366,178
From local money	73,732	93,356	100,015	6,198	100,458	92,924
Training teachers of trade or industrial subjects	490,655	699,721	716,232	706,217	743,109	748,291
From Federal money	226,765	323,515	322,814	326,255	337,891	337,146
From State money	210,199	316,548	319,779	322,664	349,499	348,687
From local money	53,691	59,658	73,641	57,298	55,719	62,458
Training teachers of home economics	599,428	778,436	818,663	725,650	804,047	845,670
From Federal money	253,604	336,746	348,764	316,000	340,216	345,505
From State money	219,767	299,241	14,807	297,824	322,300	350,599
From local money	126,057	142,449	155,102	111,826	141,531	149,566

TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1920	1926	1929	State	1920	1926	1929
Total	*Dollars* 2,476,503	*Dollars* 6,548,657	*Dollars* 6,878,529				
				Nebraska	*Dollars* 33,292	*Dollars* 77,008	*Dollars* 84,561
				Nevada	13,849	17,261	22,622
Alabama	54,672	139,762	151,306	New Hampshire	10,913	27,533	26,778
Arizona	18,146	32,643	32,643	New Jersey	63,546	195,361	203,727
Arkansas	43,615	106,894	117,765	New Mexico	19,144	25,410	30,430
California	70,477	220,625	225,619	New York	191,061	658,362	671,215
Colorado	23,001	62,188	63,579	North Carolina	45,185	162,292	170,543
Connecticut	39,028	83,391	76,582	North Dakota	20,211	43,707	52,243
Delaware	17,612	26,001	26,284	Ohio	131,378	371,295	373,332
Florida	24,187	56,751	62,715	Oklahoma	39,361	123,072	137,051
Georgia	69,412	193,531	194,569	Oregon	24,671	53,833	54,674
Idaho	20,181	32,882	36,184	Pennsylvania	196,604	492,711	531,898
Illinois	159,998	405,352	409,036	Rhode Island	20,728	45,372	49,426
Indiana	74,206	194,897	194,897	South Carolina	44,252	112,494	112,669
Iowa	54,940	130,137	153,705	South Dakota	10,872	41,802	42,231
Kansas	35,506	89,982	89,808	Tennessee	45,477	157,018	156,974
Kentucky	51,413	119,706	147,536	Texas	90,740	292,248	306,566
Louisana	43,390	95,529	119,076	Utah	19,962	35,652	34,881
Maine	19,672	28,554	30,129	Vermont	17,602	22,247	20,963
Maryland	25,664	71,960	81,272	Virginia	62,751	150,204	154,903
Massachusetts	100,881	246,058	249,157	Washington	34,947	81,230	87,137
Michigan	82,749	222,788	240,160	West Virginia	28,509	66,062	76,756
Minnesota	65,322	141,439	155,192	Wisconsin	60,966	166,238	175,209
Mississippi	49,393	120,871	120,871	Wyoming	13,383	26,862	28,694
Missouri	74,626	222,281	212,651				
Montana	18,900	37,488	36,528	Hawaii		15,521	28,742

Source: Federal Board for Vocational Education.

No. 141.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30

NOTE.—Relates only to cases aided by Federal funds. The total expenditure in 1929 (fiscal year) comprised: Federal funds, $664,839; State and private funds, $825,540

State	Number rehabilitated						Live cases on roll June 30					
	1922	1924	1925	1926	1928	1929	1922	1924	1925	1926	1928	1929
Total	1,890	5,594	5,825	5,804	5,012	4,645	8,147	13,044	12,727	13,606	16,393	[1] 16,777
Alabama	11	113	132	132	129	129	152	383	574	608	1,124	1,182
Arizona	------	10	9	12	41	43	------	17	16	18	40	24
Arkansas [2]	------	3	3	19	26	30	------	6	10	162	320	355
California	32	275	102	227	207	244	506	424	517	630	738	129
Colorado [3]	------	------	------	------	7	32	------	------	------	2	44	54
Florida [4]	------	------	------	------	------	17	------	------	------	------	204	308
Georgia	16	65	59	51	86	85	118	267	229	287	403	389
Idaho	4	35	27	29	20	25	81	75	56	54	66	49
Illinois	7	319	185	472	469	289	144	859	961	729	600	735
Indiana	61	123	139	184	99	145	321	261	372	472	151	535
Iowa	8	101	94	79	61	76	72	741	681	532	293	232
Kentucky	------	268	1	50	60	118	------	48	132	244	422	431
Louisiana	31	13	51	56	71	51	43	56	74	79	191	221
Maine	12	15	9	19	11	21	71	74	100	112	156	152
Massachusetts	4	90	109	102	129	143	170	209	183	310	287	266
Michigan	34	280	315	321	305	313	398	746	696	1,027	801	728
Minnesota	119	210	208	212	157	130	432	420	344	309	334	347
Mississippi	27	177	190	232	142	211	554	744	593	515	679	815
Missouri	50	69	46	14	------	------	146	129	102	(5)	------	------
Montana	9	36	18	17	15	10	127	174	117	91	74	81
Nebraska	1	61	59	72	46	42	106	139	143	146	139	154
Nevada	11	3	20	14	7	9	19	37	26	30		10
New Jersey	181	942	1,441	702	594	249	189	131	603	351	22	408
New Mexico	3	4	8	9	10	9	40	40	25	91	717	52
New York	267	575	637	673	509	555	1,234	2,402	1,278	863	62 1,498	1,327
North Carolina	18	112	94	96	102	109	153	654	637	685	721	633
North Dakota	------	7	9	10	25	24	------	26	59	97	97	119
Ohio	258	615	692	551	555	456	832	988	884	872	652	743
Oklahoma [3]	------	------	------	8	59	78	------	------	------	277	1,184	1,326
Oregon [2]	------	26	42	41	41	29	------	70	30	42	76	51
Pennsylvania	406	415	475	453	435	481	888	809	867	1,302	1,302	1,603
Rhode Island	4	4	4	5	8	6	11	22	22	28	31	37
South Carolina [4]	------	------	------	------	1	5	------	------	------	------	69	108
South Dakota	5	17	15	17	14	12	92	154	172	114	114	79
Tennessee	26	51	79	193	166	119	247	387	616	893	729	832
Utah	1	33	35	38	34	32	66	60	51	70	73	83
Virginia	35	120	103	88	75	21	78	119	361	258	314	528
West Virginia	109	146	173	171	114	101	347	615	379	364	249	291
Wisconsin	138	235	235	227	174	190	487	754	805	909	899	839
Wyoming	2	15	10	8	2	4	23	13	12	30	158	21

[1] The status of these cases on June 30, 1929, was as follows: Eligible but not in process of rehabilitation, 6,189; in process of rehabilitation but not in training, 4,544; in school training, 4,537; in employment training, 566; all other, 941.

[2] Cooperation with Federal Government began in fiscal year ended June 30, 1924.

[3] Cooperation with Federal Government began in fiscal year ended June 30, 1926.

[4] Cooperation with Federal Government began in fiscal year ended June 30, 1928.

[5] Live roll not reported.

Source: Federal Board for Vocational Education.

6. PUBLIC LANDS AND NATIONAL PARKS

GENERAL NOTE.—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

No. 142.—ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1928 [1]			1929 [1]		
	Original entries	Perfected entries	Patented [2]	Original entries	Perfected entries	Patented [2]
Total	**3,614,518**	**1,986,697**	**2,477,867**	**4,478,489**	**1,834,991**	**2,494,647**
Homesteads	3,366,816	1,815,549	1,933,068	4,178,495	1,700,950	1,897,190
Section 2289, Revised Statutes [3]	325,201	149,719	224,272	298,864	147,153	206,500
June 17, 1902 (reclamation)	24,975	8,660	8,028	6,244	17,445	13,489
Apr. 28, 1904 (Kinkaid)	6,286	5,707	2,152	4,747	1,920	1,480
June 11, 1906 (forest)	9,139	16,469	21,496	9,032	13,615	17,000
Feb. 19, 1909 (enlarged)	315,070	236,655	283,200	375,842	237,158	305,368
June 9, 1916 (O. & C. land grant)	18,753	13,437	----	18,039	13,042	----
Dec. 29, 1916 (stock raising)	2,667,392	1,384,902	1,387,278	3,465,727	1,270,617	1,350,385
Indian	----	----	1,642	----	----	2,908
Timber and stone	----	14,591	17,482	----	12,894	11,709
Coal land	----	80	317	----	----	----
Desert land	30,947	30,642	43,701	28,347	30,960	40,957
Mineral land	----	50,000	52,892	----	21,071	46,931
Public auction	----	17,448	28,459	----	32,484	29,653
State selection	95,254	----	----	238,023	----	----
Railroad selection	106,454	----	84,920	15,242	----	230,107
Miscellaneous	6,047	48,787	317,028	18,382	27,632	229,101

[1] Year ended June 30. [2] Includes Indian lands. [3] Original act.

No. 143.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	1911–1915, total	1916–1920, total	1921–1925, total	1926	1927	1928	1929
Total	**83,037,350**	**73,192,850**	**40,619,290**	**3,243,446**	**3,594,838**	**3,726,421**	**4,612,732**
Public land	78,098,382	68,063,397	39,508,619	3,116,858	3,471,743	3,614,518	4,478,489
Indian land	4,335,968	4,529,453	1,110,670	126,588	123,095	111,903	134,233
All homesteads	66,553,270	61,312,782	36,188,601	3,001,403	3,359,182	3,478,219	4,312,424
Stock-raising homesteads	----	[4]14,024,083	26,752,562	2,250,485	2,603,799	2,751,213	3,567,010
Other entries	16,484,080	11,880,068	4,430,689	242,043	235,656	248,202	300,298
Alabama	261,020	80,228	34,320	5,517	4,253	----	----
Alaska	46,006	99,153	51,332	5,386	7,314	5,402	7,733
Arizona	2,983,329	6,894,068	3,466,675	170,815	224,466	372,659	536,272
Arkansas	966,135	612,668	215,396	34,851	25,136	23,833	21,309
California	4,754,715	3,117,582	2,621,522	330,837	337,691	388,974	331,681
Colorado	9,163,877	10,108,447	5,084,809	357,464	426,780	345,925	421,013
Florida	561,440	188,097	171,867	50,660	14,711	9,699	7,089
Idaho	5,173,996	3,971,195	2,082,582	212,092	213,392	160,958	188,513
Kansas	373,343	436,717	46,015	----	----	----	----
Louisiana	92,634	67,005	21,702	2,623	3,109	----	----
Michigan	79,931	41,020	21,804	----	----	----	----
Minnesota	1,450,591	783,983	192,433	17,409	9,708	15,404	7,193
Mississippi	120,674	63,203	22,758	----	----	----	----
Missouri	51,108	4,769	160	----	----	----	----
Montana	22,638,090	14,785,405	4,993,929	353,381	393,023	393,860	432,733
Nebraska	5,307,451	494,289	128,302	8,541	11,911	19,373	13,501
Nevada	1,231,945	905,132	465,749	114,644	45,845	65,761	51,985
New Mexico	9,889,348	9,381,322	7,140,706	449,841	595,811	697,619	1,004,218
General Land Office	40	----	[5]660	3,490	5,324	5,768	9,471
North Dakota	2,286,245	987,821	136,212	19,772	10,596	13,006	7,791
Oklahoma	412,645	192,220	87,242	15,360	10,511	----	----
Oregon	3,598,122	2,688,515	2,140,987	146,473	220,512	138,373	165,532
South Dakota	3,577,067	4,158,533	1,359,637	67,044	61,874	66,174	64,124
Utah	2,069,805	1,098,720	1,633,787	332,895	282,513	213,082	307,074
Washington	1,840,663	1,220,018	842,992	27,363	19,309	22,847	14,770
Wisconsin	63,916	21,033	10,712	----	----	----	----
Wyoming	4,023,211	10,182,085	7,704,901	502,985	701,049	767,704	1,025,790

[1] 1918–1920 only. [2] Includes entries made at discontinued offices.

Source of Tables 142 and 143: General Land Office, Department of the Interior.

No. 144.—HOMESTEADS: Acreage of Entries of Public Land, Years Ended June 30

Item and State	All homesteads							Stock raising only, 1929
	1911–1915, total	1916–1920, total	1921–1925, total	1926	1927	1928	1929	
Original entries, total	62, 214, 302	56, 763, 320	35, 079, 617	2, 874, 896	3, 236, 764	3, 369, 816	4, 178, 496	3, 465, 727
Alabama	249, 902	79, 409	34, 139	5, 517	4, 253			
Alaska	23, 342	115, 138	51, 012	5, 357	7, 176	5, 402	6, 807	
Arizona	1, 660, 665	1, 153, 804	1, 452, 551	[1] 143, 069	203, 925	302, 364	505, 002	271, 849
Arkansas	949, 384	612, 668	215, 172	34, 851	25, 136	23, 883	21, 300	
California	2, 192, 577	2, 477, 967	2, 201, 327	303, 996	303, 501	331, 399	310, 758	102, 056
Colorado	7, 740, 338	9, 166, 561	4, 368, 182	257, 967	327, 918	265, 890	321, 301	271, 998
Florida	544, 376	187, 187	168, 086	50, 111	14, 671	9, 603	7, 084	
Idaho	4, 160, 456	3, 285, 340	1, 842, 656	205, 433	196, 810	157, 599	176, 497	160, 242
Kansas	355, 466	436, 088	46, 016					
Louisiana	85, 684	65, 117	14, 746	2, 623	3, 109			
Michigan	76, 741	41, 020	21, 804					
Minnesota	392, 598	96, 656	47, 147	13, 957	8, 161	15, 140	4, 817	
Mississippi	119, 313	63, 203	22, 758					
Missouri	53, 605	4, 189	100					
Montana	19, 078, 259	12, 323, 575	[1] 4, 528, 483	[1] 345, 720	[1] 340, 843	[1] 345, 422	[1] 366, 709	319, 254
Nebraska	5, 105, 548	494, 095	122, 985	8, 541	11, 911	19, 373	13, 421	7, 144
Nevada	672, 613	340, 860	281, 532	38, 996	41, 523	41, 834	44, 715	32, 406
New Mexico	5, 204, 463	7, 500, 836	6, 765, 794	435, 152	553, 308	662, 427	851, 233	808, 026
North Dakota	2, 129, 644	790, 023	128, 417	18, 540	9, 129	10, 555	7, 489	2, 913
Oklahoma	300, 896	183, 756	80, 546	15, 360	10, 511			
Oregon	3, 138, 108	2, 599, 364	2, 118, 054	144, 962	154, 242	135, 565	153, 097	118, 615
South Dakota	2, 204, 050	2, 861, 849	1, 177, 594	57, 202	53, 506	55, 134	55, 013	52, 792
Utah	1, 587, 780	1, 305, 605	1, 456, 411	275, 776	252, 130	[1] 202, 200	[1] 204, 271	206, 485
Washington	1, 124, 407	603, 091	288, 071	20, 849	14, 236	13, 411	7, 651	4, 567
Wisconsin	62, 629	19, 485	10, 071					
Wyoming	2, 928, 357	9, 976, 381	7, 634, 649	487, 300	695, 391	763, 267	1, 021, 760	986, 605
General Land Office	40		[2] 600	3, 490	5, 324	5, 768	9, 467	775
Original entries, stock-raising homesteads (incl. above)		[3] 13, 721, 422	26, 360, 485	2, 170, 028	2, 571, 646	2, 667, 392	3, 465, 727	

PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES

Year	All homesteads	Year	All homesteads	Year	All homesteads	Year	All homesteads	Stock-raising
1868	355, 086	1884	2, 945, 575	1900	3, 477, 343	1916	7, 278, 281	
1869	504, 302	1885	3, 032, 079	1901	5, 241, 121	1917	8, 497, 300	
1870	519, 728	1886	2, 663, 532	1902	4, 342, 748	1918	8, 230, 438	
1871	629, 162	1887	2, 749, 037	1903	3, 575, 964	1919	6, 524, 760	90, 000
1872	707, 410	1888	3, 175, 401	1904	3, 232, 717	1920	8, 372, 696	622, 610
1873	1, 224, 891	1889	3, 681, 709	1905	3, 419, 387	1921	7, 726, 740	1, 755, 099
1874	1, 585, 782	1890	4, 060, 593	1906	3, 526, 749	1922	7, 307, 034	2, 399, 384
1875	2, 068, 533	1891	3, 954, 588	1907	3, 740, 568	1923	5, 594, 259	2, 627, 065
1876	2, 590, 553	1892	3, 259, 807	1908	4, 242, 711	1924	4, 791, 436	2, 822, 211
1877	2, 407, 828	1893	3, 477, 232	1909	3, 099, 467	1925	4, 048, 011	2, 753, 924
1878	2, 662, 961	1894	2, 920, 047	1910	3, 795, 863	1926	3, 451, 106	2, 497, 007
1879	2, 070, 842	1895	2, 980, 809	1911	4, 620, 197	1927	2, 583, 627	1, 932, 096
1880	1, 938, 235	1896	2, 790, 243	1912	4, 366, 069	1928	1, 815, 549	1, 384, 902
1881	1, 928, 205	1897	2, 778, 404	1913	10, 009, 285	1929	1, 700, 950	1, 270, 617
1882	2, 219, 454	1898	3, 095, 018	1914	9, 291, 121			
1883	2, 504, 415	1899	3, 134, 140	1915	7, 180, 982	Total	232, 259, 180	20, 154, 915

[1] Includes entries of abandoned military reservations.
[2] Includes entries made at discontinued offices.
[3] 1913–1920 only.

No. 145.—STOCK-RAISING HOMESTEADS: Original Entries of Public and Indian Land from Passage of Act to June 30, 1929

State	Entries	Acres	State	Entries	Acres
Total	128, 043	52, 009, 192	Nebraska	506	89, 808
			Nevada	715	383, 196
Arizona	3, 926	1, 827, 592	New Mexico	24, 045	10, 531, 000
Arkansas	4	1, 600	North Dakota	741	222, 027
California	6, 606	2, 661, 497	Oklahoma	366	71, 349
Colorado	16, 928	6, 579, 922	Oregon	7, 128	2, 841, 636
Idaho	6, 135	2, 696, 746	South Dakota	7, 148	2, 435, 458
Kansas	233	58, 506	Utah	3, 700	2, 005, 807
Michigan	5	1, 821	Washington	1, 442	456, 117
Montana	17, 144	5, 953, 721	Wyoming	31, 248	13, 188, 970

Source of Tables 144 and 145: General Land Office, Department of the Interior.

No. 146.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1929				Year ended June 30, 1929 [1]			
	Timber and stone	Coal	Desert land		Timber and stone	Mineral	Desert land	
			Original	Perfected			Original	Perfected
Acreage of entries	13,327,516	604,368	32,724,292	8,591,197	12,894	21,071	28,347	28,460
Alabama	43,735	239						
Alaska						3,725		
Arizona	2,943	6,693	2,573,791	353,051		3,115	6,390	5,700
Arkansas	361,473				1,770			
California	2,896,515	5,535	5,166,441	882,902	1,034	4,338	6,617	3,233
Colorado	400,704	[2] 216,609	3,224,869	709,031	1,076	660	646	2,649
Dakota Territory		584	20,021	300				
Florida	108,996				40			
Idaho	1,014,679	3,277	3,110,545	1,028,328	1,731	1,030	894	2,925
Iowa	119							
Louisiana	150,277							
Michigan	149,667							
Minnesota	1,408,866				253			
Mississippi	19,818							
Montana	664,005	64,758	5,981,763	2,765,156		1,100	709	2,985
Nebraska	97							
Nevada	6,542	1,661	647,574	160,957	40	2,093	7,130	2,354
New Mexico	80	26,613	2,158,836	232,455	80	349	320	80
North Dakota	8,646	9,544	85,279	20,094				
Oklahoma	40							
Oregon	3,815,894	10,572	1,111,878	297,381	3,481	2,519	120	486
South Dakota	63,909	3,624	609,291	101,921				160
Utah	3,196	75,828	1,500,190	454,562		1,914	2,457	3,411
Washington	2,108,009	64,894	997,954	70,865	320			
Wisconsin	80,362							
Wyoming	454,383	113,924	5,535,860	1,513,693	1,794	226	3,064	4,478
General Land Office	4,561	8			1,274			
Number of entries	107,073	4,416	159,158	46,612	147	296	191	174
Money payment, dollars	35,508,453	11,921,002	7,874,589	8,699,653	51,758	77,225	7,090	28,482

[1] No entries for coal land in 1929. [2] Includes 58,496 acres within the Ute Reservation.

No. 147.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911–1915, total	1916–1920, total	1921–1925, total	1925	1926	1927	1928	1929
Railway grants, total	4,711,489	5,378,674	6,188,079	440,416	229,080	117,403	84,374	230,419
Alabama	40	120				161	115	39
Arizona	337,533	1,163,775	3,451,578	219,278	9,700	19,999	4,197	120,517
Arkansas	80		227	160			80	21
California	649,809	319,262	1,032,815	94,601	86,719	70,332	21,463	16,526
Colorado	240	160	14,482	723	160			
Florida	19,975		639		40		120	
Idaho	203,971	102,108	170,611					
Iowa	11	80						
Kansas			40			19		
Louisiana	9,441	484				87	819	58
Michigan	55					357		
Minnesota	24,823	5,744	328	16	43	317	4,379	255
Missouri		240	600					
Montana	2,862,095	1,704,549	251,343					
Nebraska			200		156	280		
Nevada	76,394	516,222	712,564	123,066	32,580	9,527	44,696	70,031
New Mexico	70,505	1,525,406	344,121	1,137	96,984	15,552	8,466	21,088
North Dakota	53,597	623	70					
Oregon	117,078	39,372	23,986			1,472	40	
Utah	14,617	112,351	160			80		1,120
Washington	257,955	381,113	166,283	1,364	1,988	368		
Wisconsin	2,041	720	1,405	40	720	244		103
Wyoming	10,629	7,344	14,624					
Wagon-road grants	253,234	19,637	34,356	15,250		1,302	1,356	

Source of Tables 146 and 147: General Land Office, Department of the Interior.

No. 148.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1929

State grants, total	**37,303,441**
Illinois: Illinois Central	2,595,133
Mississippi, total	1,075,345
Mobile & Ohio River	737,130
Vicksburg & Meridian	199,102
Gulf & Ship Island	139,113
Alabama, total	2,746,877
Mobile & Ohio	[1] 419,528
Alabama & Florida	392,023
Selma, Rome & Dalton	453,671
Coosa & Tennessee	67,785
Mobile & Girard	302,181
Alabama & Chattanooga	654,170
South & North Alabama	445,518
Florida, total	2,217,779
Florida Central & Peninsular	742,468
Florida & Alabama	166,691
Pensacola & Georgia	1,279,237
Florida, Atlantic & Gulf Central	29,384
Louisiana: Vicksburg, Shreveport & Pacific	373,057
Arkansas, total	2,562,423
St. Louis, Iron Mountain & Southern	1,325,043
Little Rock & Fort Smith	1,052,083
Memphis & Little Rock	184,697
Missouri, total	1,837,968
Southwest branch of the Pacific road	1,161,285
Hannibal & St. Joseph	611,323
St. Louis, Iron Mountain & Southern	65,360
Iowa, total	4,929,849
Burlington & Missouri River	389,990
Chicago, Rock Island & Pacific	[2] 483,214
Cedar Rapids & Missouri River	*161,533* [2] 922,825
Dubuque & Sioux City	244,023 [2] 556,407
Iowa Falls & Sioux City	683,057
Des Moines Valley (river-improvement grant)	840,171
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River	326,216
Sioux City & St. Paul	322,413
Michigan, total	3,133,589
Port Huron & Lake Michigan	37,467
Jackson, Lansing & Saginaw	743,828
Grand Rapids & Indiana	852,521
Flint & Pere Marquette	*513,130*
Marquette, Houghton & Ontonagon	305,930
Ontonagon & Brule River	34,227
Bay de Noquet & Marquette	128,301
Chicago & North Western	*518,185*
Wisconsin, total	3,651,676
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin)	814,671
Wisconsin Railroad Farm Mortgage Land Co.	163,160
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior)	816,488
Branch to Bayfield	471,721
Chicago & North Western	*516,609*
Wisconsin Central	839,023
Minnesota, total	8,045,647
St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific)	[3] 3,272,311
Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.)	
St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific)	
Minnesota Central	179,734
Winona & St. Peter	1,681,026
St. Paul & Sioux City	1,126,619
St. Paul & Duluth	861,133
Southern Minnesota, from a point on the Mississippi River to Houston	546,745
Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul)	
Hastings & Dakota	377,978
Minnesota, North Dakota, Montana, and Washington: St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company	[4]
Kansas, total	4,634,197
Leavenworth, Lawrence & Galveston	[5] 249,440
Missouri, Kansas & Texas	[5] 976,593
Atchison, Topeka & Santa Fe	2,944,788
St. Joseph & Denver City	463,369
Corporation grants, total	**93,906,271**
Union Pacific	11,935,281
Central Pacific	7,408,941
Central Pacific (successor by consolidation with Western Pacific)	464,408
Central branch, Union Pacific	223,139
Union Pacific (Kansas division)	6,176,354
Union Pacific (successor to Denver Pacific Railway Co.)	821,324
Burlington & Missouri River in Nebraska	2,374,091
Sioux City & Pacific (now Missouri Valley Land Co.)	42,611
Northern Pacific	39,030,499
Oregon branch of Central Pacific (California & Oregon)	3,225,170
Oregon & California	2,777,632
Atlanta & Pacific (now Santa Fe Pacific)	11,430,338
Southern Pacific (main line)	4,640,143
Southern Pacific (branch line)	2,228,656
Oregon Central	128,618
New Orleans Pacific	1,001,943
Wagon roads, total	**3,296,818**
From Lake Erie to Connecticut Western Reserve	80,774
From Lake Michigan to Ohio River	170,580
From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.	302,931
From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line	221,013
Oregon Central Military Co. (now California & Oregon Land Co.)	877,944
Corvallis and Yaquina Bay	83,717
Willamette Valley and Cascade Mountain	861,512
Dalles Military Road	592,907
Coos Bay Military Road	105,240

[1] In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

[2] Includes 35,695 acres of the Chicago, Rock Island & Pacific Ry.; 109,757 acres of the Cedar Rapids & Missouri River R. R.; and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted.

[3] Declared to be one grant.

[4] See *Minnesota* for original grants.

[5] Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

Source: General Land Office, Department of the Interior.

No. 149.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1929

NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 148. The column "Internal improvements" covers only general items so designated

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
Total	**202,920,084**	**99,188,946**	**13,622,437**	**3,192,800**	**13,921,880**	**11,469,245**	**54,797,953**	**7,326,813**
Alabama	2,258,264	911,627	286,080	96,080	181	500,000	439,636	24,660
Alaska	21,445,209	21,009,209	436,000					
Arizona	10,539,236	8,093,156	396,080	450,000	500,000			1,100,000
Arkansas	9,372,993	933,773	196,080			500,000	7,686,455	56,680
California	8,425,582	5,534,293	190,080			500,000	2,188,809	6,400
Colorado	4,433,538	3,685,618	137,680		32,000	500,000		78,240
Connecticut	180,000		180,000					
Delaware	90,000		90,000					
Florida	21,969,750	975,307	90,000	92,160		500,000	20,307,163	5,120
Georgia	270,000		270,000					
Idaho	3,632,157	2,963,696	186,080	200,000	[1] 250,000			32,370
Illinois	3,639,226	996,320	480,000	46,080		533,368	1,459,868	123,589
Indiana	4,306,253	668,578	390,000	46,080		1,916,805	1,259,191	25,600
Iowa	3,019,680	988,196	286,080			500,000	1,196,130	49,280
Kansas	3,606,783	2,907,520	143,762			500,000		55,501
Kentucky	352,509		330,000		22,509			
Louisiana	11,020,739	807,271	210,212	46,080		500,000	9,457,177	
Maine	210,000		210,000					
Maryland	210,000		210,000					
Massachusetts	360,000		360,000					
Michigan	8,787,573	1,021,867	286,080			500,000	5,680,110	1,299,516
Minnesota	8,369,527	2,874,951	212,160			500,000	4,701,543	80,873
Mississippi	4,951,007	824,213	210,000	69,120		500,000	3,346,420	1,253
Missouri	5,574,486	1,221,813	336,000	46,080		500,000	3,427,953	48,640
Montana	5,869,618	5,198,258	186,560	202,000	100,000			182,800
Nebraska	3,458,711	2,730,951	136,080		32,000	500,000		59,680
Nevada	2,723,647	2,091,967	46,080	90,000	12,800	500,000		12,800
New Hampshire	150,000		150,000					
New Jersey	210,000		210,000					
New Mexico	12,656,027	3,711,324	502,703	650,000	750,000			1,982,000
New York	990,000		990,000					
North Carolina	270,000		270,000					
North Dakota	3,163,552	2,495,396	216,080	120,000	[1] 250,000			82,076
Ohio	2,492,926	724,266	630,000	69,120		1,019,072	26,252	24,216
Oklahoma	3,095,760	2,044,000	600,000	450,000	1,760			
Oregon	4,353,535	3,399,360	136,080			500,000	264,213	53,882
Pennsylvania	780,000		780,000					
Rhode Island	120,000		120,000					
South Carolina	180,000		180,000					
South Dakota	3,434,203	2,733,084	246,080	120,000	[1] 250,640			84,399
Tennessee	300,000		300,000					
Texas	180,000		180,000					
Utah	7,464,276	5,844,196	356,080	200,000	500,000			564,000
Vermont	150,000		150,000					
Virginia	300,000		300,000					
Washington	3,044,471	2,376,391	136,080	200,000	[1] 200,000			132,000
West Virginia	150,000		150,000					
Wisconsin	6,220,272	932,329	332,160			500,000	3,357,033	1,048,749
Wyoming	4,138,569	3,470,009	136,080		[2] 420,000			112,480

[1] Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.

[2] Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

No. 150.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30

Class	1921–1925, total	1926–1928, total	1929
Total	46,515,448	11,342,941	2,494,647
Abandoned military reservation	62,594	13,773	6,092
Coal	12,810	757	
Commuted homestead	331,201	83,623	13,634
Desert land	1,063,845	197,249	49,957
Desert-land segregation	244,359	19,330	2,264
Forest exchange		31,618	56,630
Forest homesteads	596,366	88,039	17,000
Forest lieu selection	161,840	26,083	6,312
Homestead final	5,550,497	944,436	190,069
Homestead enlarged	14,501,164	1,578,297	305,368
Homestead stock-raising	12,199,452	6,801,562	1,350,385
Indian homestead	577,408	218,970	2,908
Indian trust	2,715,951	768,065	92,896
Mineral	266,643	140,543	46,931
Miscellaneous cash	90,164	62,471	5,973
Private land claim	137,271	40,471	17,780
Public sale	473,364	96,284	29,653
Railroad	6,185,467	431,880	230,107
Reclamation homesteads	142,894	29,689	13,489
Small holding claim	16,087	3,827	219
Soldiers' additional	19,406	5,593	2,857
Special acts	741,801	62,412	25,056
Swamp	58,589	68,245	12,837
Timber sales	[1] 34,950	[2,3] 23,478	[3]
Timber and stone	240,982	63,718	11,709
Town lots	2,718	2,146	360
Town site	964	919	
Miscellaneous	105,596	40,449	3,555

State	1921–1925, total	1926–1928, total	1929
Alabama	54,118	25,417	9,458
Alaska	68,415	28,343	8,267
Arizona	5,084,864	419,607	246,106
Arkansas	222,674	76,105	16,215
California	2,782,158	876,225	190,248
Colorado	5,644,673	1,457,273	236,753
Dist. of Col			4
Florida	121,705	99,453	15,367
Idaho	1,864,173	432,199	98,837
Illinois	3,331	723	943
Indiana	3,908	3,760	800
Iowa	1,424	299	1,408
Kansas	157,307	13,502	1,044
Louisiana	77,737	83,311	10,743
Michigan	75,943	9,755	2,343
Minnesota	327,094	72,330	16,411
Mississippi	58,913	51,330	13,299
Missouri	5,669	2,304	985
Montana	9,994,114	2,165,796	435,882
Nebraska	266,332	47,595	9,833
Nevada	937,424	195,134	100,512
New Mexico	4,997,676	1,642,163	365,921
North Dakota	604,987	60,650	9,604
Ohio	4,304	2,153	
Oklahoma	95,371	23,999	7,124
Oregon	2,085,167	633,019	96,376
South Dakota	2,307,205	440,399	81,388
Utah	701,475	380,703	106,156
Washington	753,644	237,701	24,835
Wisconsin	22,053	9,887	1,003
Wyoming	7,083,673	1,843,250	386,092

[1] Total for years 1924 and 1925.
[2] Total for 1926 and 1927.
[3] There were timber sales from 7,386 acres in 1928 and 13,037 acres in 1929 of revested cut-over lands which are not included in the table.

Source: General Land Office, Department of the Interior

No. 151.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1929

State	Total	1921–1924	1925	1926	1927	1928	1929
Total	*Dollars* 71,632,501	*Dollars* 30,737,522	*Dollars* 8,278,709	*Dollars* 8,364,719	*Dollars* 6,669,519	*Dollars* 4,677,354	*Dollars* 3,884,879
Alabama	100,719	85,460	920	920	1,565	3,036	8,818
California	17,977,722	12,620,145	1,037,007	1,092,493	1,194,086	1,380,500	644,191
Colorado	533,411	59,918	71,285	94,418	109,047	96,839	101,903
Idaho	8,738	374		924	1,963	2,482	2,996
Louisiana	35,182	3,142	925	883	14,216	3,898	12,118
Montana	1,582,038	730,107	172,684	249,691	188,897	119,070	113,183
Nevada	5,850		720	1,497	1,440	1,463	730
New Mexico	115,277	7,865	3,474	17,437	15,392	25,835	45,273
North Dakota	105,438	17,775	8,136	8,630	7,744	32,740	30,411
South Dakota	641	123	168	252	19	40	40
Utah	346,605	105,195	26,822	32,750	34,871	58,081	88,887
Washington	25,853	14,156	3,065	1,699	2,504	3,977	452
Wyoming	50,794,426	26,084,061	6,953,501	6,883,126	5,097,775	2,940,091	2,835,871

Source: General Land Office, Department of the Interior.

No. 152.—ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks (see Table 155), withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve[1]	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1920	40,138,742	6,751,436	2,724,394	130,100	3,687,819	62,854	240,368
1921	39,875,414	6,691,414	2,724,340	130,100	3,705,517	200,894	244,632
1922	34,966,492	6,580,611	2,425,494	130,100	3,684,350	202,438	255,249
1923	34,558,369	6,417,662	2,425,454	130,100	3,848,236	202,438	254,810
1924	31,951,634	5,995,939	2,390,873	130,100	3,883,141	210,422	355,232
1925	31,442,263	5,940,921	2,319,863	130,100	4,243,768	210,422	357,307
1926	31,128,509	5,802,617	2,320,023	7,548,537	4,490,621	253,608	359,566
1927	30,535,330	5,273,362	2,307,019	7,548,537	4,915,131	253,608	362,521
1928	[2]29,940,372	[2]5,275,236	[2]2,031,306	[2]7,548,216	[3]4,994,987	254,528	392,876
1929	29,883,366	5,183,096	2,005,045	9,411,939	5,079,487	254,050	405,231
Alabama					1,780		
Alaska					198,877		
Arizona	130,415	356			1,231,175		17,800
Arkansas					[3]23,584		
California	17,603	1,178,392		90,357	599,682	45,266	188,288
Colorado	4,142,233	218,997			427,761		6,148
Florida			67,076				
Idaho	4,761		391,532		307,362		14,345
Louisiana		466,990					
Michigan					1,240		
Minnesota					12,309		
Montana	7,863,941	1,350,426	279,944		182,025	9,080	8,416
Nebraska					761		
Nevada	83,673			30,422	56,018		12,646
New Mexico	5,084,069			9,282,160	263,504		10,051
North Dakota	5,954,364	84,894					
Oregon	4,361				682,085	18,603	26,001
South Dakota							240
Utah	3,636,541	1,341,264	277,344		606,820	26,040	37,941
Washington	691,801				288,469	36,327	920
Wyoming	2,260,604	541,777	989,149		106,026	118,734	82,345
New withdrawals during year ended June 30—							
1925					398,860		3,035
1926			280	7,418,437	278,389	43,186	5,860
1927	25,996				457,466		4,275
1928					84,739	920	31,153
1929				1,863,723	105,886		13,440
Alaska					34,600		
Arizona							
California							600
Colorado					18,219		1,200
Idaho					882		440
Montana					803		240
Nevada					590		1,240
New Mexico				1,863,723	1,009		240
Oregon					3,538		4,520
Utah					865		2,000
Washington					45,470		
Wyoming							2,960
Restorations of land previously withdrawn, year ended June 30—							
1925	509,370	55,418	71,010		38,233		960
1926	313,754	137,904	120		22,436		3,591
1927	619,175	529,255	12,104		41,956		1,360
1928	389,531	3,960	9,596	40	5,081		798
1929	57,006	92,140	26,261		21,336	478	1,085
Arizona		92,140			15		445
Arkansas							
California					1,101		
Colorado	37,783				5,210		
Florida			1,520				
Montana	19,223						
Nevada							
North Dakota						478	
Oregon					11,241		
Utah			24,601		3,720		
Wyoming			140		40		640

[1] Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.
[2] Totals revised to accord with Geological Survey report.
[3] Includes 100 acres omitted in 1928.

Source: General Land Office, Department of the Interior.

No. 153.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1927	1928	1929
Total	[1] 586,216,861	[1] 557,643,120	343,971,674	200,320,128	193,737,588	193,847,240	190,031,722
Alabama	1,105,060	359,250	108,210	37,200			
Arizona	49,699,052	50,286,986	41,491,369	18,268,909	16,961,100	18,199,100	16,911,367
Arkansas	4,902,329	3,493,444	512,705	276,595	227,529	218,911	205,933
California	53,922,718	42,467,512	24,864,884	19,585,801	20,610,877	20,422,083	20,209,421
Colorado	39,994,446	39,650,247	21,726,192	8,941,185	7,213,300	7,717,121	8,218,875
Florida	5,624,426	1,596,411	453,009	120,077	13,862	11,500	13,855
Idaho	46,957,290	43,286,694	24,743,804	8,805,112	10,847,882	10,764,857	10,734,420
Iowa	5,000						
Kansas	755,791	1,196,900	137,180	4,346			
Louisiana	1,338,852	442,224	88,911	14,240			
Michigan	832,707	430,433	107,890	73,523			
Minnesota	6,913,554	4,696,203	1,563,302	256,297	248,740	214,340	197,996
Mississippi	1,407,480	285,804	47,058	33,360			
Missouri	1,151,463	337,946	2,510	18			
Montana	64,807,627	67,963,057	36,015,943	5,973,741	6,942,527	7,192,318	6,900,144
Nebraska	11,226,584	9,795,888	1,879,486	66,844	30,001	28,623	28,980
Nevada	50,804,510	61,277,506	56,474,688	54,267,175	53,112,473	53,878,958	53,410,938
New Mexico	56,369,326	56,541,170	36,454,602	18,448,378	17,065,843	16,809,600	16,282,582
North Dakota	30,497,600	18,725,239	1,410,225	81,044	133,814	126,474	152,113
Oklahoma	[2] 3,694,693	5,733,572	5,007	7,404			
Oregon	38,272,228	34,377,807	17,580,573	14,006,757	13,176,034	13,423,703	13,227,141
South Dakota	10,241,498	11,930,809	4,502,804	288,472	383,800	396,200	402,670
Utah	36,205,100	42,967,451	35,955,554	29,991,715	28,259,172	25,994,956	25,147,867
Washington	19,646,316	11,125,883	3,196,050	1,086,686	931,544	877,921	951,903
Wisconsin	819,320	313,565	14,460	5,154			
Wyoming	49,010,060	48,358,169	34,575,150	19,679,595	19,579,090	17,510,569	17,035,537

[1] Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.
[2] Figures include 3,672,640 acres of unsurveyed land in public land strip.

Source: General Land Office, Department of the Interior.

No. 154.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30

State	Area of Indian reservations—unallotted square miles					Indian population				
	1880	1890	1900	1920	1929	1880	1890	1900	1920	1929
Total	241,800	162,991	121,665	55,792	50,023	256,127	243,534	270,544	336,337	345,575
Arizona	4,832	10,318	23,673	34,195	31,703	21,961	30,749	40,189	42,400	46,350
California	783	772	635	600	774	10,669	12,108	11,431	16,241	19,060
Colorado	19,480	1,710		619	619	2,530	1,793	995	796	836
Florida				42	42			575	454	516
Idaho	4,295	3,553	2,132	87	90	4,020	4,251	3,557	4,048	3,898
Indian Territory	64,236	40,412	30,490			[1] 76,895	[1] 68,225	[1] 86,265		
Iowa	1	2	4	5	5	355	399	385	345	387
Kansas	215	139	44		2	746	1,016	1,211	1,466	1,581
Michigan	104	42	13			10,141	7,423	7,557	7,519	1,192
Minnesota	7,353	3,523	2,448	865	808	9,198	6,403	8,952	12,681	15,573
Montana	45,870	16,349	14,845	5,538	1,203	21,650	10,842	10,076	12,374	14,043
Nebraska	682	214	117	10	12	4,409	3,254	3,854	2,461	4,337
Nevada	1,383	1,490	1,491	1,135	1,300	6,800	8,375	8,321	5,000	4,960
New Mexico	11,295	15,620	2,606	3,278	5,524	23,452	10,998	9,480	21,530	27,583
New York	135	137	137	137	137	5,139	5,112	5,334	6,432	4,402
North Carolina	102	102	154	99	99	2,209	3,000	1,436	8,208	3,191
North Dakota	[2] 57,214	9,158	5,784	156	2	[2] 27,168	7,759	8,276	9,018	10,526
Oklahoma		20,770	10,756	5	60		13,176	13,926	[1] 119,255	[1] 121,531
Oregon	6,022	3,242	2,031	1,860	1,756	5,355	4,507	4,063	6,620	4,521
South Dakota	(3)	18,221	14,030	568	412	(3)	19,096	19,212	23,010	23,518
Texas						290	290	290	702	2,350
Utah	3,186	6,207	3,186	526	532	840	2,211	2,115	3,057	1,553
Washington	10,821	6,321	3,646	2,655	1,335	14,289	9,830	9,827	11,114	12,831
Wisconsin	916	800	595	424	428	8,847	9,152	10,726	10,319	11,530
Wyoming	2,375	3,660	2,828	2,899	3,120	2,062	1,658	1,642	1,748	1,979
Miscellaneous						710	1,302	849	8,579	7,328

[1] Figures include the Five Civilized Tribes, with population as follows: 1880, 59,187; 1890, 65,200; 1900, 84,570; 1920 and 1929, 101,506, including 23,405 freedmen and 2,582 intermarried whites.
[2] Figures shown for North Dakota are for Dakota Territory.

Source: Commissioner of Indian Affairs, Department of the Interior.

No. 155.—NATIONAL PARKS AND NATIONAL MONUMENTS

PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
Total area			*Sq. miles* 12,118	
Hot Springs [1]	Middle Arkansas.	Apr. 20, 1832 Mar. 4, 1921	1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone [1]	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872 Mar. 1, 1929	[2] 3,426	More geysers than in all the rest of world together—Boiling springs—Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing.
Sequoia [1]	Middle eastern California.	Sept. 25, 1890 July 3, 1926	604	The Big Tree National Park—Thousands of sequoia trees over 10 feet in diameter, some 20 to 30 feet in diameter—Towering mountain ranges—Startling precipices—Mount Whitney and Kern River country.
Yosemite [1]	do	Oct. 1, 1890 May 28, 1928 [3]	1,126	Valley of world-famed beauty — Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
General Grant [1]	do	Oct. 1, 1890	4	Created to preserve the celebrated General Grant Tree, 40 feet in diameter.
Mount Rainier [1]	West central Washington	Mar. 2, 1899 May 28, 1926	325	Largest accessible single peak glacier system—28 glaciers, some of large size—48 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Crater Lake [1]	Southwestern Oregon.	May 22, 1902	249	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Wind Cave [1]	South Dakota.	Jan. 9, 1903	17	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Platt	Southern Oklahoma.	July 1, 1902 Apr. 21, 1904 June 29, 1906	1½	Many sulphur and other springs possessing medicinal value.
Sullys Hill	North Dakota.	Apr. 27, 1904	1½	Small park with woods, streams, a lake. Is an important wild-animal preserve.
Mesa Verde [1]	Southwestern Colorado.	June 29, 1906 June 30, 1913 [3]	80	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Glacier [1]	Northwestern Montana.	May 11, 1910	1,534	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Rocky Mountain [1]	North middle Colorado.	Jan. 26, 1915 [3] Feb. 14, 1917 June 2, 1924 [3] June 9, 1926	378	Heart of the Rockies—Snowy range, peaks 11,000 to 14,255 feet altitude—Remarkable records of glacial period.
Hawaii [1]	Hawaii	Aug. 1, 1916 May 1, 1922 [3] Feb. 12, 1927 [3] Apr. 11, 1928 [3]	245	Three separate volcanic areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Lassen Volcanic [1]	Northern California.	Aug. 9, 1916 Apr. 26, 1928 [3] May 21, 1928 Jan. 19, 1929 [3]	163	Only active volcano in United States proper—Lassen Peak, 10,460 feet—Cinder cone 6,907 feet—Hot Springs—Mud geysers.
Mount McKinley	South central Alaska.	Feb. 26, 1917 Jan. 30, 1922 [3]	2,645	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Grand Canyon [1]	North central Arizona.	Feb. 26, 1919 Feb. 5, 1927 [3] Mar. 7, 1928 [3]	1,009	The greatest example of erosion and the most sublime spectacle in the world.
Acadia [1]	Maine coast	Feb. 26, 1929 Jan. 19, 1929 [3]	16	The group of granite mountains upon Mount Desert Island and also bold point on opposite mainland across Frenchman's Bay. Formerly called Lafayette National Park.
Zion [1]	Southwestern Utah.	Nov. 19, 1919	120	Magnificent gorge (Zion Canyon), depth from 1,500 to 2,500 feet, with precipitous walls—Of great beauty and scenic interest.

[1] General information circulars on these parks may be obtained free from Department of the Interior.
[2] In Wyoming, 3,145 square miles; in Montana, 245; in Idaho, 36.
[3] Boundary changed.

No. 155.—National Parks and National Monuments—Continued

PARKS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
Bryce Canyon	Southwestern Utah	June 7, 1924 Feb. 25, 1928[3] May 12, 1928 Sept. 15, 1928	Sq. miles 23	Box canyon filled with countless array of fantastically eroded pinnacles—Best exhibit of vivid coloring of earth's materials.
Grand Teton	Northwestern Wyoming.	Feb. 26, 1929	150	Includes spectacular Teton Mountains, a granite uplift of unusual grandeur.

MILITARY AND OTHER PARKS ADMINISTERED BY THE WAR DEPARTMENT

			Acres	
Total area			14,062	
Antietam Battle Field.	Maryland	Aug. 30, 1890	40	Scene of one of the greatest battles of the Civil War.
Chickamauga and Chattanooga.	Georgia and Tennessee.	Aug. 19, 1890	6,542	Beautiful natural park; embraces battle fields of Chickamauga and Missionary Ridge and scenes of other conflicts of the Civil War fought in the vicinity of Chattanooga during 1863.
Fredericksburg and Spotsylvania.	Virginia	Feb. 14, 1927	[4]	Scene of battles of Fredericksburg, Spotsylvania, Wilderness, Chancellorsville, and Salem Church at or near Fredericksburg.
Fort Donelson	Tennessee	Mar. 26, 1928	[4]	Site of Civil War fort—now military cemetery.
Gettysburg [5]	Pennsylvania	Feb. 11, 1895	2,317	Beautiful natural park; scene of Civil War combat; probably better marked than any other battle field in the world.
Guilford Courthouse.	North Carolina.	Mar. 2, 1917	110	Near Greensboro; scene of one of the great battles of the Revolution; fought in 1781.
Moores Creek	do	June 2, 1926	30	Scene of one of most memorable battles of Revolutionary War.
Petersburg	Virginia	July 3, 1926	185	Scene of campaign and siege and defense of Petersburg, Va., in 1864 and 1865.
Shiloh	Tennessee	Dec. 27, 1894	3,584	Natural park embracing the battle field of Shiloh near Pittsburg Landing.
Stones River	do	Mar. 3, 1927	[4]	Scene of the battle of Stones River in Tennessee.
Vicksburg	Mississippi	Feb. 21, 1899	1,324	Beautiful natural park; scene of the siege and surrender of Vicksburg in 1863 during the Civil War.

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

			Acres	
Total area			2,385,920	
Devils Tower	Wyoming	Sept. 24, 1906	1,153	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle	Arizona	Dec. 8, 1906	[6] 160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vertical cliff. Of scenic and ethnologic interest.
El Morro	New Mexico	Dec. 8, 1906 June 18, 1917	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.
Petrified Forest	Arizona	Dec. 8, 1906 July 31, 1911	25,908	Abundance of petrified coniferous trees, one of which forms a small natural bridge. Is of great scientific interest.
Chaco Canyon	New Mexico	Mar. 11, 1907 Jan. 10, 1928	[6] 21,512	Numerous cliff-dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods [4]	California	Jan. 9, 1908 Sept. 22, 1921	426	One of the most noted redwood groves in California, and was donated by Hon. William Kent, ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles	do	Jan. 16, 1908 May 7, 1923 July 2, 1924	2,980	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles; also numerous caves and other formations.
Natural bridges	Utah	Apr. 16, 1908 Sept. 25, 1909 Feb. 11, 1916	[6] 2,740	Three natural bridges, among largest examples of their kind. Largest bridge is 222 feet high, 65 feet thick at top of arch; arch is 28 feet wide; span, 261 feet; height of span, 157 feet. Other two slightly smaller.

[3] Boundary changed.
[4] Undetermined.
[5] Donated in whole or in part to the United States.
[6] Estimated.

No. 155.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
			Acres	
Lewis & Clark Cavern [5]	Montana	May 11, 1908 May 16, 1911	160	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori	Arizona	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as rapidly as funds permit.
Navajo	do	Mar. 20, 1909 Mar. 14, 1912	360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern	Wyoming	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira	New Mexico	Nov. 1, 1909 Nov. 25, 1919	424	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.
Sitka	Alaska	Mar. 23, 1910	57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge	Utah	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and span is 278 feet, in shape of rainbow.
Colorado	Colorado	May 24, 1911	13,749	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Papago Saguaro	Arizona	Jan. 31, 1914 Dec. 28, 1922	1,940	Splendid collection of characteristic desert flora and numerous pictographs. Interesting rock formations.
Dinosaur	Utah	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capulin Mountain	New Mexico	Aug. 9, 1916	680	Cinder cone of geologically recent formation.
Verendrye	North Dakota	June 29, 1917	250	Includes Crowhigh Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande	Arizona	June 22, 1892 Dec. 10, 1909 Aug. 3, 1918 June 7, 1926	472	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai	Alaska	Sept. 24, 1918 Sept. 5, 1923	1,087,990	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff	Nebraska	Dec. 12, 1919 May 9, 1924	1,894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers in the winning of the West, passed over and through this monument.
Yucca House [5]	Colorado	Dec. 19, 1919	9.6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archæological value, relic of prehistoric inhabitants.
Fossil Cycad	South Dakota	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruin [5]	New Mexico	Jan. 24, 1923 July 2, 1928	17.2	Prehistoric ruin of pueblo type containing 500 rooms and other ruins.
Hovenweep	Utah-Colorado	Mar. 2, 1923	286	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Pipe Spring	Arizona	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Carlsbad Cave	New Mexico	Oct. 25, 1923	719	Beautifully decorated limestone cavern, believed to be largest yet discovered.
Craters of the Moon	Idaho	May 2, 1924 July 23, 1928	49,565	Best example of fissure lava flows; volcanic region with weird landscape effects.
Wupatki	Arizona	Dec. 9, 1924	2,234	Prehistoric dwellings of ancestors of Hopi Indians.
Glacier Bay	Alaska	Feb. 26, 1925	1,164,800	Contains tidewater glaciers of first rank.
Arches	Utah	Apr. 12, 1929	4,520	Contains extraordinary examples of wind erosion in the shape of gigantic arches, windows, and other unique formations.

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE

Total area			*Acres* 878,240	
Gila Cliff Dwellings.	New Mexico	Nov. 16, 1907	160	Numerous cliff-dweller ruins of much interest and in good preservation.
Tonto	Arizona	Dec. 19, 1907	[6] 640	Do.
Jewel Cave	South Dakota	Feb. 7, 1908	[6] 1,280	Limestone cavern of much beauty and considerable extent, limits of which are as yet unknown.

[5] Donated in whole or part to the United States.

[6] Estimated.

No. 155.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE—Contd.

Name	Location	When established	Acres	Description
			Acres	
Wheeler	Colorado	Dec. 7, 1908	300	Of much interest from geological standpoint as example of eccentric erosion and extinct volcanic action. Of much scenic beauty.
Mount Olympus	Washington	Mar. 2, 1909 Apr. 17, 1912 May 11, 1915	298,730	Contains many objects of great and unusual scientific interest, including many glaciers. Is summer range and breeding ground of the Olympic elk.
Oregon Caves	Oregon	July 12, 1909	480	Extensive caves in limestone formation of *much beauty; magnitude not entirely* ascertained.
Devils Postpile	California	July 6, 1911	800	Spectacular mass of hexagonal basaltic columns, like an immense *pile of posts.* Said to rank with famous Giant's Causeway in Ireland.
Walnut Canyon	Arizona	Nov. 30, 1915	960	Contains cliff dwellings of *much scientific* and popular interest.
Bandelier	New Mexico	Feb. 11, 1916	22,075	Vast numbers of cliff-dweller ruins, with *artificial caves, stone sculpture,* and other relics of prehistoric life.
Old Kasaan	Alaska	Oct. 25, 1916	38	Abandoned Indian village in which there are numerous remarkable totem poles and other objects of historical interest.
Lehman Caves	Nevada	Jan. 24, 1922	593	Limestone caverns of much beauty and of scientific interest and importance.
Timpanogos Cave	do	Oct. 14, 1922	250	Limestone cavern.
Chiricahua	Arizona	Apr. 18, 1924	4,480	Natural rock formations within Coronado National Forest.
Lava Beds	California	Nov. 21, 1925	45,967	Interesting ice caves. Battleground of Modoc Indian War, 1873.
Holy Cross	Colorado	May 11, 1929	1,392	Figure in form of Greek Cross may be seen on side of the Mount of the Holy Cross.

MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT

			Acres	
Total area			632	
Chalmette	Louisiana	May 24, 1907	17	Erected in memory of the Battle of New Orleans which was fought on Jan. 8, 1815.
Big Hole Battle Field.	Montana	June 23, 1910	5	Site of battle field on which battle was fought Aug. 9, 1877, between a small force of United States troops and a much larger force of Nez Perce Indians, resulting in rout for the Indians.
Cabrillo	California	Oct. 14, 1913 May 12, 1925	1	Of historic interest because of discovery of the territory now partly embraced in the State of California by Juan Rodriguez Cabrillo, who at this point first sighted land on Sept. 28, 1542.
Abraham Lincoln's birthplace.	Kentucky	July 17, 1916	110	Contains the log cabin and part of the farm where Abraham Lincoln was born.
Mound City Group	Ohio	Mar. 2, 1923	57	Famous group of prehistoric mounds in Camp Sherman Military Reservation.
Fort Wood	New York	Oct. 15, 1924	2.5	Site of the Statue of Liberty.
Castle Pinckney	South Carolina	do	3.5	Fortification built in 1810 to replace a Revolutionary fort.
Fort Pulaski	Georgia	do	20	Built in 1810 to replace Fort Greene of the Revolution.
Fort Marion	Florida	do	18	Fort built by Spaniards in 1656.
Fort Matanzas	do	do	1	Relic of Spanish invasion.
Meriwether Lewis	Tennessee	Feb. 2, 1925	300	Contains grave of Captain Lewis of the Lewis and Clark expedition.
Fort Niagara	New York	Sept. 5, 1925	.0074	Commemorates erection and dedication of cross by a French Jesuit missionary on Good Friday, 1688.
Fort McHenry	Maryland	Mar. 3, 1925	47	Restored and preserved as birthplace of "Star-Spangled Banner."
White Plains Battle Field.	New York	May 18, 1926	None.	Memorial tablet to indicate the position of the Revolutionary army under the command of General Washington.
Kitty Hawk	North Carolina.	Mar. 2, 1927	do	Scene of first sustained flight by heavier-than-air machine.
Kennesaw Mountain.	Georgia	Feb. 15, 1928	60	Site of important Civil War engagement fought Feb. 27, 1864.

Source: Annual Report of the Secretary of the Interior.

7. CLIMATE

No. 156.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec. 31, 1929. Other data are long-time averages covering periods ranging from 20 to more than 50 years. Temperatures are Fahrenheit

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature:													
Monthly mean	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum	56.9	60.8	67.6	75.5	83.6	89.5	91.0	89.9	85.8	76.8	65.8	58.4	75.1
Daily mean minimum	39.5	42.3	47.9	55.1	63.2	69.8	72.3	71.7	66.6	56.4	45.8	40.4	55.9
Highest on record	80	84	90	92	99	106	107	103	105	96	85	80	107
Lowest on record	5	−5	21	30	43	48	61	58	45	31	18	8	−5
Precipitation:													
Total, inches	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches	0.2	0.3	(1)	(1)	0	0	0	0	0	0	(1)	0.3	0.8
Percentage of possible sunshine	50	54	60	66	71	73	62	66	66	66	66	45	62
Number of clear days	8	9	12	12	13	10	8	9	14	16	14	10	135
Hourly wind velocity, miles	6.6	7.2	7.2	6.6	5.7	5.3	5.0	4.6	5.3	5.4	5.7	6.2	5.9
ARIZONA, PHOENIX													
Temperature:													
Monthly mean	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum	63.7	68.0	74.1	81.6	90.1	100.2	103.1	101.0	95.4	85.2	73.9	64.9	83.5
Daily mean minimum	38.7	42.2	47.3	52.5	59.8	68.7	76.4	76.0	69.0	56.0	45.5	39.0	55.9
Highest on record	84	92	95	103	114	119	118	113	112	105	96	80	119
Lowest on record	16	24	30	35	39	49	63	58	47	36	28	22	16
Precipitation:													
Total, inches	0.80	0.77	0.68	0.40	0.12	0.07	1.07	0.95	0.75	0.47	0.70	1.00	7.78
Days with 0.01 inch or more	4	4	4	2	1	1	6	6	3	2	3	3	39
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	72	77	80	87	91	93	82	83	80	80	83	77	84
Number of clear days	17	15	17	21	23	25	17	18	22	23	20	19	237
Hourly wind velocity, miles	4.0	4.0	5.0	5.4	4.9	5.0	5.0	4.6	4.4	4.2	3.9	3.8	4.6
ARKANSAS, LITTLE ROCK													
Temperature:													
Monthly mean	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum	49.4	53.7	62.3	71.3	79.4	86.4	89.3	88.8	83.3	73.3	61.3	52.2	70.9
Daily mean minimum	33.4	36.0	43.8	52.8	61.2	68.4	71.9	70.7	64.9	53.9	42.9	36.2	53.0
Highest on record	78	87	89	94	96	102	106	105	104	93	84	78	106
Lowest on record	−8	−12	14	23	39	51	58	52	41	27	19	5	−12
Precipitation:													
Total, inches	4.73	3.84	4.62	5.19	4.78	3.76	3.50	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more	9	9	10	10	9	10	10	9	7	7	8	9	107
Total snowfall, inches	2.8	1.5	0.4	(1)	0	0	0	0	0	0	0.1	1.2	6.0
Percentage of possible sunshine	46	53	56	62	65	71	70	71	72	70	60	48	62
Number of clear days	10	9	11	11	11	11	11	13	15	17	13	11	143
Hourly wind velocity, miles	9.7	10.4	10.9	10.3	8.8	7.4	7.2	6.6	7.2	7.8	8.6	8.9	8.6
CALIFORNIA, FRESNO													
Temperature:													
Monthly mean	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.6	54.2	46.2	63.0
Daily mean maximum	54.5	60.8	65.7	73.4	81.8	92.0	99.4	98.0	89.1	78.0	65.9	54.5	76.1
Daily mean minimum	37.9	41.4	44.4	47.0	52.4	59.5	64.8	63.3	57.6	50.1	42.5	37.9	49.9
Highest on record	73	83	87	101	110	112	115	113	111	100	85	76	115
Lowest on record	17	24	28	34	38	42	50	51	42	36	27	23	17
Precipitation:													
Total, inches	1.73	1.43	1.58	0.95	0.44	0.08	0.01	0.01	0.21	0.57	0.93	1.45	9.39
Days with 0.01 inch or more	8	7	8	3	2	1	0	0	1	3	4	7	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	44	60	64	82	87	94	96	97	90	87	70	47	76
Number of clear days	9	12	14	19	21	25	29	29	25	23	17	10	233
Hourly wind velocity, miles	4.5	4.8	5.7	6.8	7.8	8.3	7.4	6.7	5.9	4.7	4.1	4.1	5.9

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALIFORNIA, LOS ANGELES													
Temperature:													
Monthly mean	54.6	55.5	57.5	60.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.3	65.1	67.3	69.1	71.8	76.7	81.4	82.3	80.1	76.7	72.0	66.8	72.8
Daily mean minimum	44.9	46.0	47.8	49.7	52.6	56.1	59.1	60.0	57.9	54.0	49.8	46.3	52.0
Highest on record	90	92	99	100	103	105	109	106	103	102	96	89	109
Lowest on record	28	28	31	36	40	46	49	49	44	40	34	30	28
Precipitation:													
Total, inches	3.10	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.63	15.23
Days with 0.01 inch or more	7	6	7	4	3	1	0	0	1	3	3	6	41
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	67	68	67	68	62	71	77	79	76	76	73	73	72
Number of clear days	14	12	12	11	10	11	14	16	16	17	17	16	166
Hourly wind velocity, miles	5.1	5.3	5.3	5.2	5.2	5.0	4.7	4.6	4.5	4.5	4.6	5.0	4.9
CALIFORNIA, SAN DIEGO													
Temperature:													
Monthly mean	54.3	55.1	56.7	58.5	60.8	63.9	67.2	68.7	67.1	63.7	59.7	56.0	61.0
Daily mean maximum	62.2	62.5	63.9	64.8	66.2	69.0	72.3	73.9	72.9	70.6	67.7	64.4	67.5
Daily mean minimum	46.5	47.7	49.6	52.2	55.3	58.7	62.1	63.6	61.3	56.7	51.7	47.7	54.4
Highest on record	85	89	99	96	98	94	93	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	36	32	25
Precipitation:													
Total, inches	2.09	2.03	1.72	0.77	0.35	0.05	0.03	0.04	0.08	0.54	0.76	1.87	10.30
Days with 0.01 inch or more	7	7	7	4	3	1	0	1	1	3	4	6	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	67	67	66	69	58	62	67	72	72	73	70	74	68
Number of clear days	16	14	14	15	12	14	17	19	19	18	18	18	194
Hourly wind velocity, miles	5.1	5.8	6.2	6.4	6.4	6.1	5.9	5.7	5.7	5.3	5.0	5.0	5.7
CALIFORNIA, SAN FRANCISCO													
Temperature:													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	55.0	57.3	60.3	61.2	63.0	65.1	64.7	65.0	67.7	67.5	62.1	56.2	62.1
Daily mean minimum	44.9	46.6	48.1	48.8	50.5	51.9	52.3	53.3	54.2	53.5	50.5	46.3	50.1
Highest on record	78	80	86	89	97	100	93	92	101	96	83	72	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	34	29
Precipitation:													
Total, inches	4.54	3.85	3.14	1.61	0.80	0.18	0.02	0.01	0.45	1.12	2.35	3.95	22.02
Days with 0.01 inch or more	12	13	10	6	4	2	0	0	2	4	6	11	70
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	52	54	59	70	70	75	69	63	70	69	60	54	64
Number of clear days	11	11	12	15	15	19	15	14	16	17	13	10	168
Hourly wind velocity, miles	7.4	7.5	8.8	10.1	11.2	12.6	13.1	12.1	10.1	7.8	6.7	6.8	9.5
COLORADO, DENVER													
Temperature:													
Monthly mean	29.8	32.7	39.3	47.1	56.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.2	44.9	51.6	60.1	68.5	79.7	85.7	84.0	76.9	64.8	52.5	44.7	62.9
Daily mean minimum	17.3	20.5	27.1	35.0	43.9	52.9	58.7	57.4	48.9	37.4	27.2	19.8	37.2
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	105
Lowest on record	−29	−22	−11	4	19	32	42	40	21	−2	−18	−25	−29
Precipitation:													
Total, inches	0.40	0.53	1.04	2.06	2.21	1.38	1.68	1.43	0.99	1.05	0.55	0.73	14.05
Days with 0.01 inch or more	4	6	7	9	10	7	9	9	6	5	4	5	81
Total snowfall, inches	4.8	7.6	9.2	9.9	2.4	(1)	0	0	0.6	4.2	5.7	9.2	53.6
Percentage of possible sunshine	67	67	64	62	60	69	67	67	71	71	68	64	66
Number of clear days	15	12	11	9	9	12	11	11	15	16	15	15	151
Hourly wind velocity, miles	7.6	7.6	8.2	8.4	7.7	7.3	6.9	6.6	6.7	7.0	7.2	7.3	7.4
CONNECTICUT, HARTFORD													
Temperature:													
Monthly mean	25.5	27.2	35.0	46.7	57.5	67.1	71.6	68.9	61.7	51.2	39.5	29.8	48.5
Daily mean maximum	35.3	38.9	44.9	56.6	68.2	76.7	82.3	79.7	73.0	63.5	49.2	37.7	58.4
Daily mean minimum	20.0	17.4	27.9	38.1	48.7	56.7	63.2	60.8	53.8	44.3	33.8	23.9	40.7
Highest on record	67	61	82	90	94	98	101	100	95	91	74	67	101
Lowest on record	−12	−14	4	11	32	40	48	43	32	25	6	−18	−18
Precipitation:													
Total, inches	3.94	3.33	3.90	3.36	3.60	3.08	4.37	4.29	3.49	3.52	3.55	3.97	44.90
Days with 0.01 inch or more	12	10	12	12	12	10	11	10	9	8	10	10	126
Total snowfall, inches	8.7	13.4	6.7	1.8	0	0	0	0	0	0	1.4	8.4	40.4
Percentage of possible sunshine	45	54	55	52	53	56	56	54	54	51	46	44	52
Number of clear days	8	9	10	8	9	8	7	8	10	11	7	8	103
Hourly wind velocity, miles	8.0	8.1	8.0	8.6	7.9	7.1	6.9	6.3	6.2	6.9	7.8	7.4	7.5

1 Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE, WILMINGTON													
Temperature:													
Monthly mean	32.8	31.9	42.3	52.9	63.8	71.6	76.8	74.6	68.1	57.4	45.4	34.8	54.4
Daily mean maximum	40.0	39.5	51.2	63.1	74.2	81.8	86.1	83.6	77.2	66.3	53.3	41.7	63.2
Daily mean minimum	25.3	24.3	33.0	42.8	53.4	61.3	67.5	65.6	58.9	48.4	37.5	27.8	45.5
Highest on record	70	69	80	97	98	102	106	107	98	90	77	70	107
Lowest on record	−10	−12	6	11	31	42	49	47	33	25	11	−7	−12
Precipitation:													
Total, inches	3.35	3.32	3.54	3.38	3.65	3.91	5.03	4.84	3.46	3.18	2.88	3.84	44.38
Days with 0.01 inch or more	9	8	9	9	9	9	9	9	6	6	7	8	98
Total snowfall, inches	6.4	6.2	4.1	1.1	0	0	0	0	0	(1)	0.4	4.7	22.9
D. C., WASHINGTON													
Temperature:													
Monthly mean	33.4	35.3	42.6	53.3	63.7	72.2	76.8	75.0	68.1	57.4	45.2	36.6	55.0
Daily mean maximum	41.1	43.5	51.7	63.2	73.2	81.8	86.3	84.1	77.5	67.2	54.0	44.2	64.0
Daily mean minimum	25.7	27.2	33.6	43.6	54.1	62.7	67.3	66.0	58.7	47.5	36.5	29.0	46.0
Highest on record	79	78	93	95	97	102	104	106	104	93	80	74	106
Lowest on record	−14	−15	4	15	33	43	52	49	36	26	12	−13	−15
Precipitation:													
Total, inches	3.55	3.27	3.75	3.27	3.70	4.13	4.71	4.01	3.24	2.84	2.37	3.32	42.16
Days with 0.01 inch or more	12	10	12	11	12	11	11	11	8	9	9	10	126
Total snowfall, inches	6.7	6.8	4.7	0.6	0	0	0	0	0	(1)	1.1	3.8	23.7
Percentage of possible sunshine	46	54	54	58	61	62	64	61	63	61	56	51	58
Number of clear days	9	9	9	11	11	11	11	11	13	14	11	11	131
Hourly wind velocity, miles	7.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0
FLORIDA, JACKSONVILLE													
Temperature:													
Monthly mean	55.4	58.0	62.6	68.7	75.0	79.9	82.1	81.7	78.3	71.1	62.2	56.3	69.3
Daily mean maximum	64.1	66.9	71.5	77.6	83.5	87.9	90.2	89.6	85.5	78.6	70.7	65.0	77.6
Daily mean minimum	46.7	49.1	53.6	59.7	66.4	71.8	74.0	73.7	71.1	63.6	53.7	47.5	60.9
Highest on record	83	86	91	92	98	101	104	101	99	95	86	83	104
Lowest on record	15	10	26	34	46	54	66	64	49	37	26	14	10
Precipitation:													
Total, inches	2.80	2.97	2.91	2.38	4.02	5.33	6.71	5.81	7.35	4.46	1.98	3.02	49.74
Days with 0.01 inch or more	9	9	8	7	9	12	15	15	13	10	8	8	123
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	56	57	67	73	71	65	63	63	60	56	62	52	62
Number of clear days	10	10	13	13	13	8	8	9	10	12	12	11	129
Hourly wind velocity, miles	8.3	8.8	9.1	9.0	8.4	8.0	7.9	7.4	7.8	8.6	8.1	8.0	8.3
FLORIDA, MIAMI													
Temperature:													
Monthly mean	66.5	67.1	70.2	72.8	76.4	80.0	81.0	81.4	80.1	77.0	71.8	68.0	74.4
Daily mean maximum	74.4	74.3	76.7	79.7	82.5	85.2	86.8	87.1	85.9	82.8	77.3	75.5	80.7
Daily mean minimum	62.1	60.0	63.8	67.4	70.9	74.4	75.8	76.4	75.2	72.7	66.0	62.9	69.0
Highest on record	85	88	92	93	94	94	96	96	95	93	88	91	96
Lowest on record	29	27	34	45	50	61	67	67	62	52	36	32	27
Precipitation:													
Total, inches	2.52	1.83	2.17	3.09	6.22	6.86	5.42	6.17	8.34	8.44	2.91	1.69	55.66
Days with 0.01 inch or more	9	6	7	7	11	12	16	14	17	16	11	7	133
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	64	69	72	72	66	61	66	70	64	60	60	62	66
Number of clear days	11	11	12	10	7	6	5	6	6	6	9	10	99
Hourly wind velocity, miles	9.3	9.4	9.7	9.9	9.1	7.6	7.2	7.8	8.0	9.0	10.7	8.5	8.8
FLORIDA, TAMPA													
Temperature:													
Monthly mean	60.4	61.9	66.8	70.9	76.3	80.2	81.2	81.5	79.9	74.3	66.9	61.1	71.8
Daily mean maximum	69.3	70.8	76.1	80.3	85.4	88.6	89.1	89.4	88.0	82.5	75.8	70.0	80.4
Daily mean minimum	51.5	53.1	57.6	61.6	67.2	71.8	73.3	73.6	71.9	66.1	57.9	52.1	63.1
Highest on record	83	86	92	91	94	98	96	97	96	93	88	84	98
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation:													
Total, inches	2.69	2.56	2.43	2.01	2.99	7.25	7.95	8.18	6.42	3.09	1.72	2.07	49.36
Days with 0.01 inch or more	7	7	6	5	7	14	18	18	15	8	5	7	117
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	61	65	72	75	73	67	63	64	66	65	65	59	66
Number of clear days	11	11	14	14	12	8	6	5	8	12	13	12	126
Hourly wind velocity, miles	6.9	7.4	7.4	7.4	6.9	6.2	5.7	5.5	6.2	7.2	6.8	6.6	6.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	Annual
GEORGIA, ATLANTA													
Temperature:													
Monthly, mean	42.6	45.3	52.0	61.0	69.9	76.0	78.1	77.0	72.4	63.0	52.1	44.7	61.2
Daily mean maximum	50.2	53.5	60.9	70.4	79.4	85.2	85.7	85.1	80.6	71.9	60.8	52.5	69.8
Daily mean minimum	35.0	37.1	43.0	51.7	60.4	66.8	69.5	69.0	64.1	54.1	43.3	36.8	52.6
Highest on record	76	78	87	93	97	100	101	100	102	94	82	73	102
Lowest on record	−2	−8	8	25	36	39	58	55	43	28	14	1	−8
Precipitation:													
Total, inches	4.95	4.79	5.30	3.61	3.47	3.74	4.55	4.45	2.99	2.59	3.03	4.70	48.27
Days with 0.01 inch or more	11	11	11	10	9	11	13	13	8	7	8	11	123
Total snowfall, inches	0.9	1.1	0.1	(1)	0	0	0	0	0	(1)	(1)	0.6	2.7
Percentage of possible sunshine	47	53	56	64	68	69	60	58	66	65	63	47	60
Number of clear days	9	9	12	12	12	10	8	9	13	16	13	11	134
Hourly wind velocity, miles	12.0	12.2	12.0	11.0	9.4	8.3	7.9	7.7	8.6	9.9	11.0	11.6	10.1
IDAHO, BOISE													
Temperature:													
Monthly mean	29.3	34.8	42.7	50.4	57.1	65.3	72.9	71.8	61.9	51.1	41.0	32.1	50.9
Daily mean maximum	37.7	43.3	52.7	62.4	70.0	79.5	88.9	87.7	76.4	63.7	50.7	39.9	62.7
Daily mean minimum	21.9	26.3	32.6	38.4	44.3	51.1	56.9	55.9	47.4	38.5	31.3	24.3	39.1
Highest on record	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record	−28	−12	5	17	25	30	40	32	23	16	−10	−18	−28
Precipitation:													
Total, inches	1.73	1.44	1.35	1.13	1.43	0.92	0.24	0.19	0.53	1.24	1.28	1.57	13.10
Days with 0.01 inch or more	13	11	11	8	7	6	2	2	4	6	9	11	90
Total snowfall, inches	7.7	5.8	3.3	0.9	(1)	0	0	0	0	0.1	1.5	5.3	24.6
Percentage of possible sunshine	35	48	57	66	71	79	87	88	79	69	50	40	64
Number of clear days	5	6	7	9	11	14	21	21	17	14	8	6	139
Hourly wind velocity, miles	4.9	5.2	6.1	6.3	6.1	5.3	4.9	4.5	4.5	4.3	4.6	4.4	5.1
ILLINOIS, CHICAGO													
Temperature:													
Monthly, mean	25.1	27.4	36.3	47.7	58.5	68.2	73.9	72.8	66.3	55.1	41.2	30.0	50.2
Daily mean maximum	31.5	34.1	43.0	54.9	66.2	75.6	80.5	79.0	72.9	62.0	47.5	36.0	56.9
Daily mean minimum	18.7	20.8	29.5	40.6	50.8	60.7	67.2	66.6	59.7	48.3	35.0	24.0	43.5
Highest on record	65	68	81	88	94	99	103	102	98	87	75	68	103
Lowest on record	−20	−21	−12	17	27	40	50	47	32	14	−2	−23	−23
Precipitation:													
Total, inches	1.90	2.14	2.58	2.78	3.54	3.30	3.33	3.21	3.14	2.53	2.37	2.04	32.86
Days with 0.01 inch or more	11	10	12	11	12	11	9	9	9	9	10	12	125
Total snowfall, inches	9.9	9.4	4.9	0.9	(1)	0	0	0	0	0.1	1.7	6.8	33.7
Percentage of possible sunshine	45	51	54	59	64	71	73	70	65	60	47	41	58
Number of clear days	8	8	8	9	11	10	13	13	12	12	8	7	119
Hourly wind velocity, miles	16.0	16.0	17.0	17.0	15.0	13.0	12.0	12.0	14.0	15.0	16.0	16.0	15.0
INDIANA, INDIANAPOLIS													
Temperature:													
Monthly mean	28.4	31.1	40.0	52.1	62.9	71.6	75.7	73.7	66.9	55.7	42.3	32.2	52.7
Daily mean maximum	35.7	39.0	48.4	61.2	72.4	81.1	85.4	83.3	76.6	64.9	50.0	39.0	61.4
Daily mean minimum	21.0	23.2	31.7	42.9	53.5	62.0	66.1	64.1	57.3	46.5	34.6	25.4	44.1
Highest on record	70	72	84	90	96	100	106	103	98	89	76	68	106
Lowest on record	−25	−18	0	19	31	39	48	44	30	22	−5	−15	−25
Precipitation:													
Total, inches	2.95	2.73	3.93	3.62	3.89	3.62	3.34	3.31	3.40	2.78	3.35	2.98	39.90
Days with 0.01 inch or more	13	11	13	12	13	11	10	9	9	9	10	12	132
Total snowfall, inches	6.8	5.3	3.8	0.9	0.1	0	0	0	0	(1)	1.2	5.1	23.2
Percentage of possible sunshine	42	47	48	53	60	66	70	66	67	61	52	40	56
Number of clear days	6	7	6	7	9	8	10	11	12	12	8	6	102
Hourly wind velocity, miles	12.0	12.1	12.5	12.1	10.5	9.1	8.4	7.9	8.8	9.8	11.3	11.6	10.5
IOWA, DES MOINES													
Temperature:													
Monthly mean	20.1	23.7	35.9	50.1	61.3	70.6	75.4	73.1	65.6	53.4	38.4	26.0	49.5
Daily mean maximum	29.0	32.8	45.2	60.2	71.4	80.4	85.7	83.6	76.0	63.7	47.3	34.1	59.1
Daily mean minimum	11.3	14.6	26.6	40.1	51.3	60.8	65.1	62.7	55.1	43.1	29.5	17.8	39.8
Highest on record	65	75	88	92	98	102	109	110	99	91	79	69	110
Lowest on record	−30	−26	−10	11	26	37	43	40	26	7	−10	−21	−30
Precipitation:													
Total, inches	1.07	1.12	1.73	2.91	4.56	4.76	3.50	3.52	3.67	2.50	1.43	1.22	32.04
Days with 0.01 inch or more	8	8	9	11	12	11	9	9	9	8	7	8	109
Total snowfall, inches	8.8	7.2	5.4	1.3	0.5	0	0	0	0	0.2	2.2	7.9	33.5
Percentage of possible sunshine	53	56	56	58	61	66	73	71	63	63	54	50	60
Number of clear days	10	9	9	9	8	8	13	13	12	13	11	9	124
Hourly wind velocity, miles	7.9	8.4	9.0	9.5	8.4	7.1	6.3	6.0	6.9	7.4	7.7	7.6	7.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
KANSAS, DODGE CITY													
Temperature:													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	56.1	42.6	32.6	54.3
Daily mean maximum	40.7	45.7	56.0	66.8	75.8	84.4	91.1	91.0	82.6	69.3	55.6	44.5	67.9
Daily mean minimum	17.3	20.7	29.6	40.5	51.2	60.7	65.8	64.4	56.3	43.0	29.5	20.8	41.0
Highest on record	79	84	98	95	101	107	108	105	102	94	86	79	108
Lowest on record	−20	−26	−10	13	19	36	46	43	20	10	−13	−15	−26
Precipitation:													
Total, inches	0.41	0.77	0.89	1.94	2.89	3.30	3.14	2.67	1.90	1.30	0.73	0.57	20.51
Days with 0.01 inch or more	4	5	5	7	10	9	9	7	5	5	4	4	74
Total snowfall, inches	3.7	5.7	3.8	1.0	(1)	0	0	0	0	0.3	1.2	3.3	19.0
Percentage of possible sunshine	65	66	66	66	65	71	74	77	73	75	71	67	70
Number of clear days	14	13	13	13	11	14	15	16	16	18	16	15	174
Hourly wind velocity, miles	10.1	10.8	12.6	13.6	12.9	12.2	10.9	10.4	11.2	11.1	10.1	10.2	11.3
KENTUCKY, LOUISVILLE													
Temperature:													
Monthly mean	34.4	37.2	45.4	56.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.0	45.4	54.2	65.9	76.4	84.3	88.2	86.7	80.4	69.2	55.1	44.8	66.6
Daily mean minimum	26.8	28.9	36.6	46.8	56.9	65.1	68.9	67.4	60.5	49.4	38.3	30.4	48.0
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	−20	−14	3	21	33	43	54	47	36	23	1	−7	−20
Precipitation:													
Total, inches	4.00	3.55	4.30	3.88	3.72	3.82	3.70	3.42	2.78	2.65	3.61	3.74	43.26
Days with 0.01 inch or more	12	11	12	12	11	11	10	9	8	8	9	11	124
Total, snowfall, inches	4.8	4.3	2.3	0.3	(1)	0	0	0	0	(1)	0.3	3.2	15.2
Percentage of possible sunshine	42	49	52	56	62	68	70	69	68	66	54	40	58
Number of clear days	7	7	8	9	10	9	12	12	13	14	10	7	118
Hourly wind velocity, miles	9.5	10.3	10.5	9.6	7.9	7.4	6.7	6.4	6.8	7.5	8.3	9.2	8.4
LOUISIANA, NEW ORLEANS													
Temperature:													
Monthly mean	54.2	57.3	62.8	68.8	75.4	80.6	82.4	82.2	79.2	71.0	61.6	55.2	69.3
Daily mean maximum	61.8	65.1	70.6	76.5	83.0	87.8	89.3	89.0	86.0	78.1	69.1	63.2	76.6
Daily mean minimum	46.6	49.5	55.0	61.1	67.8	73.4	75.4	75.4	72.5	64.0	54.0	48.1	61.9
Highest on record	82	83	86	90	96	102	102	100	99	94	89	83	102
Lowest on record	15	7	30	38	52	58	66	63	54	40	28	19	7
Precipitation:													
Total, inches	4.34	4.25	4.72	5.24	4.69	5.88	6.37	5.80	5.03	3.30	3.14	4.79	57.46
Days with 0.01 inch or more	10	9	9	7	9	13	15	14	10	7	7	10	120
Total snowfall, inches	0.1	0.2	(1)	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	48	50	57	60	66	60	54	54	61	64	58	46	56
Number of clear days	10	9	11	11	12	9	7	8	11	16	13	10	127
Hourly wind velocity, miles	8.6	9.1	9.1	8.8	7.4	6.5	6.0	5.9	7.2	7.6	8.1	8.5	7.7
MAINE, PORTLAND													
Temperature:													
Monthly mean	22.4	23.8	31.8	43.0	53.3	62.5	68.1	66.4	59.6	49.9	38.0	27.6	45.5
Daily mean maximum	30.1	31.6	39.2	50.4	61.2	70.8	76.1	74.0	67.3	57.3	44.6	34.4	53.1
Daily mean minimum	14.7	16.0	24.4	35.7	45.4	54.2	60.1	58.8	51.9	42.6	31.4	20.8	38.0
Highest on record	65	58	79	89	94	96	103	95	94	85	72	65	103
Lowest on record	−18	−17	−7	9	27	38	48	45	32	22	−6	−21	−21
Precipitation:													
Total, inches	3.97	4.00	3.86	3.38	3.40	3.28	3.24	3.14	3.10	3.14	3.46	3.97	41.04
Days with 0.01 inch or more	12	11	13	11	12	11	12	11	10	10	11	11	135
Total snowfall, inches	18.2	20.9	13.1	4.8	(1)	0	0	0	(1)	(1)	5.1	12.4	74.5
Percentage of possible sunshine	54	60	59	56	58	61	64	63	62	56	47	50	58
Number of clear days	10	10	10	9	9	9	10	11	12	11	9	10	120
Hourly wind velocity, miles	8.8	9.1	9.6	9.2	8.6	7.6	7.5	6.9	7.5	8.2	8.8	8.7	8.4
MARYLAND, BALTIMORE													
Temperature:													
Monthly mean	33.8	35.4	42.3	53.6	64.4	72.7	77.2	75.5	68.5	58.2	46.3	37.2	55.4
Daily mean maximum	40.6	42.5	50.2	62.4	73.3	81.3	85.6	83.5	76.7	66.5	53.6	43.7	63.3
Daily mean minimum	27.0	28.3	34.5	44.8	55.5	64.0	68.8	67.5	60.2	49.8	39.0	30.6	47.5
Highest on record	74	78	88	94	98	101	104	105	101	92	79	73	105
Lowest on record	−6	−7	5	15	34	46	55	51	39	30	15	−3	−7
Precipitation:													
Total, inches	3.50	3.39	3.71	3.34	3.54	3.88	4.64	4.37	3.37	2.89	2.56	3.37	42.56
Days with 0.01 inch or more	12	11	12	11	11	11	12	11	8	9	9	11	128
Total snowfall, inches	6.6	6.6	4.9	0.7	(1)	0	0	0	0	(1)	0.7	4.3	23.8
Percentage of possible sunshine	47	57	58	59	59	62	64	62	65	62	54	48	58
Number of clear days	9	9	9	9	10	9	10	10	12	13	10	10	120
Hourly wind velocity, miles	6.5	7.1	7.5	7.4	6.6	6.2	5.9	5.5	5.6	6.0	6.2	6.3	6.4

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MASSACHUSETTS, BOSTON													
Temperature:													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5	49.6
Daily mean maximum	35.9	36.7	43.3	54.5	65.7	75.7	80.0	77.8	71.2	61.5	49.3	39.9	57.6
Daily mean minimum	20.0	20.8	27.9	38.3	48.5	57.8	63.4	62.0	55.3	45.7	34.7	25.1	41.6
Highest on record	70	64	83	89	97	100	104	98	102	90	76	69	104
Lowest on record	−13	−11	−8	11	31	42	46	47	34	25	−2	−14	−14
Precipitation:													
Total, inches	3.61	3.37	3.57	3.34	3.18	2.89	3.49	3.62	3.14	3.15	3.33	3.45	40.14
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	125
Total snowfall, inches	11.2	12.5	7.9	2.5	(1)	0	0	0	0	(1)	1.7	8.4	44.2
Percentage of possible sunshine	49	58	57	55	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	10	9	9	9	9	11	11	11	10	9	117
Hourly wind velocity, miles	11.6	12.3	12.4	11.2	10.1	9.3	8.9	8.4	9.2	10.2	11.2	11.4	10.5
MICHIGAN, DETROIT													
Temperature:													
Monthly mean	24.4	25.3	33.4	46.2	58.0	67.4	72.1	70.3	63.5	52.5	39.3	29.3	48.5
Daily mean maximum	30.7	32.1	40.8	54.8	67.1	76.4	81.1	79.1	71.9	60.2	45.5	34.9	56.2
Daily mean minimum	18.2	18.5	25.9	37.5	48.9	58.4	63.1	61.6	55.1	44.8	33.0	23.6	40.7
Highest on record	66	64	81	88	95	96	101	104	97	88	71	65	104
Lowest on record	−16	−20	−7	8	28	38	48	45	30	22	0	−24	−24
Precipitation:													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	3.32	2.78	2.90	2.38	2.44	2.35	32.05
Days with 0.01 inch or more	13	12	13	11	13	11	10	9	9	10	12	14	137
Total snowfall, inches	10.8	10.0	7.8	1.9	0.1	0	0	0	0	(1)	2.5	9.3	42.4
Percentage of possible sunshine	36	41	48	50	57	64	68	65	63	54	37	30	51
Number of clear days	5	6	7	8	9	10	12	12	12	10	6	4	101
Hourly wind velocity, miles	12.5	12.6	12.4	12.0	10.7	9.5	9.2	8.8	9.7	10.8	12.3	12.7	11.1
MINNESOTA, ST. PAUL													
Temperature:													
Monthly mean	12.6	15.8	29.1	45.6	57.9	67.1	72.1	69.4	61.3	48.6	32.5	19.0	44.2
Daily mean maximum	21.4	24.8	37.8	55.1	67.7	76.6	81.8	79.4	70.9	57.5	40.1	26.6	53.3
Daily mean minimum	3.8	6.9	20.4	36.1	48.1	57.7	62.4	59.5	51.6	39.7	25.0	11.5	35.2
Highest on record	51	61	83	87	97	98	104	100	99	88	74	58	104
Lowest on record	−41	−33	−22	6	23	36	45	40	23	8	−24	−39	−41
Precipitation:													
Total, inches	0.92	0.92	1.43	2.35	3.27	4.14	3.57	3.01	3.07	2.20	1.30	1.06	27.24
Days with 0.01 inch or more	9	8	9	10	12	12	10	10	10	9	8	9	116
Total snowfall, inches	9.0	7.1	8.2	3.5	0.2	0	.0	0	(1)	0.5	4.9	6.6	40.0
Percentage of possible sunshine	49	56	55	58	57	62	70	66	60	53	44	41	56
Number of clear days	9	9	9	9	9	9	12	12	12	11	7	8	116
Hourly wind velocity, miles	12.0	12.0	13.0	13.0	12.0	10.0	10.0	9.0	10.0	12.0	12.0	12.0	11.0
MISSISSIPPI, VICKSBURG													
Temperature:													
Monthly mean	48.2	51.8	58.5	65.6	72.9	79.0	81.3	80.8	76.3	66.7	56.0	50.0	65.6
Daily mean maximum	56.4	60.6	67.7	74.8	82.2	88.0	90.2	89.6	85.6	76.5	66.0	58.5	74.7
Daily mean minimum	39.9	43.0	49.3	56.3	63.6	69.9	72.5	71.9	66.9	56.9	47.1	41.6	56.6
Highest on record	82	84	88	92	97	101	100	101	104	94	86	82	104
Lowest on record	3	−1	24	31	43	52	59	54	42	31	22	10	−1
Precipitation:													
Total, inches	5.37	4.82	5.57	5.19	4.32	3.99	4.53	3.46	2.87	2.77	3.71	5.33	51.03
Days with 0.01 inch or more	11	10	10	9	8	10	11	10	7	6	8	10	110
Total snowfall, inches	0.9	0.5	(1)	0	0	0	0	0	0	0	(1)	0.1	1.5
Percentage of possible sunshine	46	52	59	66	72	72	69	69	74	71	63	46	63
Number of clear days	8	9	11	11	16	11	10	11	15	17	13	10	142
Hourly wind velocity, miles	7.6	8.0	8.1	7.5	6.1	5.3	5.2	4.9	5.3	5.7	6.6	7.3	6.5
MISSOURI, ST. LOUIS													
Temperature:													
Monthly mean	30.8	34.5	43.8	55.8	66.9	74.8	78.6	77.3	70.1	58.3	45.1	34.7	55.9
Daily mean maximum	38.7	43.0	52.9	65.1	75.9	83.6	87.4	86.4	79.5	67.5	53.5	42.5	64.7
Daily mean minimum	23.4	26.6	35.3	47.0	58.2	66.4	70.2	68.6	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	90	91	94	102	107	108	103	91	82	75	107
Lowest on record	−22	−18	3	22	32	44	55	52	37	21	5	−15	−22
Precipitation:													
Total, inches	2.34	2.56	3.38	3.81	4.34	3.82	2.98	2.99	3.46	2.72	2.83	2.21	37.44
Days with 0.01 inch or more	9	9	13	10	12	11	9	8	8	8	8	9	114
Total snowfall, inches	5.2	6.0	4.0	0.7	(1)	0	0	0	(1)	0.2	0.5	3.5	20.1
Percentage of possible sunshine	49	51	55	58	64	69	71	68	68	65	56	46	60
Number of clear days	11	9	10	10	11	10	13	14	15	15	11	9	138
Hourly wind velocity, miles	12.0	12.1	12.8	12.3	10.9	9.5	8.6	8.3	9.2	10.4	11.6	11.7	10.8

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MONTANA, HELENA													
Temperature:													
Monthly mean	20.2	23.0	32.4	43.5	51.6	59.2	65.7	65.0	56.6	44.9	33.2	24.2	43.3
Daily mean maximum	28.3	31.6	41.5	53.6	62.2	70.0	77.3	77.4	68.3	54.8	41.3	31.8	53.2
Daily mean minimum	12.1	14.4	23.2	33.4	41.0	48.4	54.1	52.7	44.8	34.9	25.0	16.7	33.4
Highest on record	63	65	73	86	95	102	103	98	92	84	71	64	103
Lowest on record	−42	−41	−20	3	22	31	36	29	6	−1	−22	−40	−42
Precipitation:													
Total, inches	0.87	0.65	0.79	1.12	2.29	2.34	1.14	0.77	1.25	0.89	0.74	0.78	13.63
Days with 0.01 inch or more	9	8	8	9	12	12	8	6	7	6	6	8	99
Total snowfall, inches	10.9	8.7	9.2	5.9	2.2	(1)	0	(1)	0.6	4.2	6.8	8.5	57.0
Percentage of possible sunshine	46	54	59	59	55	63	75	73	61	58	48	43	58
Number of clear days	7	7	8	7	7	9	15	16	12	10	8	7	113
Hourly wind velocity, miles	6.5	6.7	7.6	8.1	8.0	7.7	7.3	6.9	7.1	7.0	6.6	6.4	7.2
NEBRASKA, OMAHA													
Temperature:													
Monthly mean	21.9	25.5	37.0	51.2	62.4	71.6	76.7	74.4	66.8	54.3	38.5	26.4	50.6
Daily mean maximum	30.4	34.5	46.5	61.1	72.0	81.1	86.3	83.8	76.7	64.2	46.7	34.0	59.8
Daily mean minimum	13.3	16.5	27.6	41.2	52.8	62.2	67.1	64.9	56.8	44.4	30.3	18.8	41.3
Highest on record	67	78	91	94	99	105	107	110	102	92	80	71	110
Lowest on record	−32	−26	−8	6	25	42	50	44	30	8	−14	−20	−32
Precipitation:													
Total, inches	0.70	0.89	1.37	2.51	3.77	4.56	3.54	3.05	3.21	2.17	1.07	0.93	27.77
Days with 0.01 inch or more	6	7	7	10	12	11	9	9	8	7	5	7	98
Total snowfall, inches	6.3	5.2	0.7	(1)	0	0	0	0	0	0.4	2.0	5.3	19.9
Percentage of possible sunshine	55	57	57	56	62	68	75	69	65	63	55	52	61
Number of clear days	11	9	9	9	8	10	13	13	14	14	11	10	131
Hourly wind velocity, miles	9.1	9.6	10.0	10.3	9.1	7.5	6.4	6.7	7.5	8.4	10.8	8.7	8.7
NEVADA, RENO													
Temperature:													
Monthly mean	32.5	35.6	41.0	47.3	53.6	61.0	67.5	67.0	59.7	49.7	41.0	33.7	49.1
Daily mean maximum	42.3	47.3	53.0	61.1	67.5	77.7	87.2	86.0	77.0	65.6	54.7	44.1	63.6
Daily mean minimum	20.6	24.2	28.5	33.6	39.9	46.4	52.4	51.2	44.1	35.3	27.8	22.3	35.5
Highest on record	67	76	79	88	98	100	102	102	96	87	80	69	102
Lowest on record	−19	−12	−3	14	16	28	35	35	24	16	5	−7	−19
Precipitation:													
Total, inches	1.54	1.18	0.81	0.47	0.63	0.29	0.25	0.22	0.26	0.36	0.64	0.98	7.63
Days with 0.01 inch or more	7	6	6	3	5	2	2	2	3	3	4	7	50
Total snowfall, inches	10.6	7.1	6.3	0.9	0.8	0	0	0	(1)	0.3	1.3	5.8	33.1
Percentage of possible sunshine	56	62	70	76	77	84	90	90	85	78	67	56	74
Number of clear days	12	11	12	15	15	21	24	24	21	20	14	11	200
Hourly wind velocity, miles	5.4	6.1	7.1	8.1	7.8	7.4	6.8	6.3	6.0	5.3	5.3	4.9	6.4
NEW HAMPSHIRE, CONCORD[2]													
Temperature:													
Monthly mean	21.6	22.8	30.8	43.4	54.3	62.9	68.5	66.8	59.3	49.7	37.7	26.8	45.4
Daily mean, maximum	30.7	32.1	40.1	54.1	66.2	74.7	79.9	78.0	70.4	60.0	46.1	34.8	55.6
Daily mean, minimum	12.4	13.6	21.5	32.6	42.5	51.2	57.0	55.6	48.2	39.3	29.3	18.9	35.2
Highest on record	72	68	82	92	98	100	102	99	96	92	80	65	102
Lowest on record	−35	−34	−16	7	22	32	38	35	25	17	−17	−24	−35
Precipitation:													
Total, inches	3.00	2.80	3.03	2.78	3.01	3.19	3.56	3.54	3.45	2.85	3.08	3.13	37.51
Days with 0.01 inch or more	11	9	10	11	11	10	10	11	9	10	10	9	121
Total snowfall, inches	13.5	17.0	8.2	4.7	0.2	0	0	0	(1)	0.1	5.5	11.6	60.8
Number of clear days	11	12	14	11	13	13	11	13	13	12	10	11	144
Hourly wind velocity, miles	5.6	6.2	6.3	6.4	5.7	4.9	4.5	4.2	4.2	5.0	5.6	5.5	5.3
NEW JERSEY, ATLANTIC CITY													
Temperature:													
Monthly mean	32.5	33.6	38.6	47.8	58.1	66.6	72.1	72.5	66.8	56.9	45.6	36.4	52.3
Daily mean maximum	39.4	40.6	45.2	54.4	64.8	72.7	78.0	78.4	72.9	63.7	52.7	43.1	58.8
Daily mean minimum	25.7	26.5	32.0	41.3	51.5	60.4	66.3	66.6	60.7	50.2	38.5	29.6	45.8
Highest on record	68	71	79	85	95	97	100	104	94	90	77	68	104
Lowest on record	−4	−7	8	15	33	45	52	48	37	29	10	−7	−7
Precipitation:													
Total, inches	3.49	3.36	3.60	2.99	3.05	3.04	3.93	4.49	2.65	3.20	2.82	3.04	40.56
Days with 0.01 inch or more	12	11	13	11	11	10	10	10	8	9	9	10	124
Total snowfall, inches	4.8	5.2	2.9	0.3	0	0	0	0	0	0	0.7	3.0	16.9
Percentage of possible sunshine	50	58	58	58	62	64	67	67	68	64	59	52	61
Number of clear days	9	9	9	9	10	10	10	11	12	13	11	10	123
Hourly wind velocity, miles	10.6	11.1	11.1	10.7	9.6	8.8	8.3	8.3	8.9	9.9	9.9	10.2	9.8

[1] Trace.

[2] Data for percentage of possible sunshine not available.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NEW MEXICO, SANTA FE													
Temperature:													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.8
Daily mean maximum	38.9	43.5	51.1	58.8	68.2	77.5	80.9	78.7	72.7	62.2	49.8	41.0	60.3
Daily mean minimum	18.7	22.6	28.3	34.6	43.2	52.2	57.2	56.0	49.1	38.7	28.1	20.5	37.4
Highest on record	70	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	−13	−11	−2	11	20	33	43	40	21	13	−11	−13	−13
Precipitation:													
Total, inches	0.67	0.75	0.80	1.00	1.26	1.08	2.38	2.28	1.45	1.18	0.68	0.74	14.27
Days with 0.01 inch or more	6	7	6	6	7	6	14	13	8	6	5	6	89
Total snowfall, inches	5.4	6.6	4.6	3.3	0.3	(1)	0	0	(1)	0.8	3.4	6.0	30.4
Percentage of possible sunshine	72	72	72	74	75	79	67	70	77	79	77	74	74
Number of clear days	18	13	14	14	14	16	9	10	16	20	19	18	181
Hourly wind velocity, miles	7.4	7.6	8.4	8.7	8.5	7.4	6.6	6.1	6.3	6.7	6.9	7.0	7.3
NEW YORK, BUFFALO													
Temperature:													
Monthly mean	24.6	24.3	31.1	42.8	54.6	64.4	69.8	68.6	62.4	51.9	39.4	29.8	47.0
Daily mean maximum	31.0	31.2	38.1	50.4	62.2	71.4	76.5	75.7	69.7	58.7	45.2	35.5	53.8
Daily mean minimum	18.1	17.4	24.0	35.2	46.9	57.4	63.1	61.6	55.1	45.1	33.5	24.1	40.1
Highest on record	70	67	79	84	94	94	95	95	95	92	71	66	95
Lowest on record	−14	−13	−4	5	25	39	46	44	35	24	2	−9	−14
Precipitation:													
Total, inches	3.30	2.95	2.57	2.56	3.10	2.82	3.03	3.08	2.92	3.29	3.02	3.36	36.00
Days with 0.01 inch or more	19	17	17	13	14	11	11	10	11	13	15	16	167
Total snowfall, inches	20.1	17.8	10.0	3.5	0.2	0	0	0	0	0.4	5.8	16.6	74.4
Percentage of possible sunshine	28	40	49	52	57	64	66	63	60	47	30	23	48
Number of clear days	2	3	5	7	8	8	9	9	9	6	3	1	70
Hourly wind velocity, miles	16.1	16.5	14.4	12.6	11.1	10.5	10.3	9.9	11.1	12.9	15.6	16.5	13.0
NEW YORK, NEW YORK													
Temperature:													
Monthly mean	30.9	31.3	37.7	49.4	60.6	68.8	73.8	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.4	38.4	45.4	57.2	68.5	77.0	81.7	80.1	73.7	63.7	51.0	41.2	59.6
Daily mean minimum	24.5	24.2	30.2	41.6	52.6	60.5	65.9	66.2	59.8	49.0	37.3	28.8	45.0
Highest on record	67	69	80	91	95	97	99	102	100	88	74	68	102
Lowest on record	−6	−7	3	12	34	45	50	51	39	29	7	−13	−13
Precipitation:													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	42.99
Days with 0.01 inch or more	12	10	12	11	11	10	12	10	9	9	9	10	125
Total snowfall, inches	8.1	10.1	7.7	1.3	(1)	0	0	0	0	(1)	1.0	5.7	34.9
Percentage of possible sunshine	50	60	58	59	60	63	63	62	63	60	55	51	59
Number of clear days	8	8	9	9	9	8	8	9	11	11	9	8	107
Hourly wind velocity, miles	20.0	20.0	21.0	18.9	16.0	14.0	14.0	13.0	14.0	16.0	19.0	19.0	17.0
NORTH CAROLINA, ASHEVILLE													
Temperature:													
Monthly mean	35.4	38.5	44.9	53.9	62.6	68.7	71.7	70.5	65.0	55.3	45.1	37.8	54.1
Daily mean maximum	47.8	48.1	57.8	65.0	73.2	79.5	81.7	80.8	76.7	67.3	56.7	48.0	65.2
Daily mean minimum	29.1	28.9	37.3	43.4	51.8	59.0	62.3	61.8	56.1	44.6	35.4	29.9	45.0
Highest on record	75	77	86	89	91	92	96	96	95	85	76	78	96
Lowest on record	−5	−6	8	20	31	40	48	47	35	20	4	−4	−6
Precipitation:													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.30	4.16	3.04	2.75	2.23	3.20	40.23
Days with 0.01 inch or more	10	10	12	11	12	14	15	15	9	7	7	10	132
Total snowfall, inches	4.0	2.9	1.3	0.2	0	0	0	0	0	0.1	0.6	1.9	11.0
Percentage of possible sunshine	49	52	55	60	62	59	58	56	62	64	64	48	57
Number of clear days	10	10	11	11	10	7	7	7	10	15	15	11	124
Hourly wind velocity, miles	9.6	10.2	10.1	9.6	7.3	5.8	5.3	5.3	5.8	7.0	8.4	9.2	7.8
NORTH DAKOTA, BISMARCK													
Temperature:													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	28.5	14.7	40.5
Daily mean maximum	18.1	20.7	34.6	53.7	66.2	75.2	82.1	80.3	71.1	57.1	39.1	24.5	51.9
Daily mean minimum	−2.6	0.0	13.7	30.6	42.7	52.2	57.5	54.3	45.2	32.7	17.9	4.8	29.1
Highest on record	60	64	81	90	97	107	108	105	102	91	73	64	108
Lowest on record	−45	−43	−36	−3	13	31	32	32	10	−10	−28	−42	−45
Precipitation:													
Total, inches	0.45	0.44	0.89	1.52	2.32	3.35	2.24	1.82	1.23	0.94	0.57	0.57	16.34
Days with 0.01 inch or more	7	7	8	8	11	12	10	8	6	6	6	7	96
Total snowfall, inches	5.8	5.1	8.3	2.6	0.8	0	0	0	0.1	1.0	5.2	6.3	35.2
Percentage of possible sunshine	53	58	56	58	58	62	71	69	62	60	52	49	59
Number of clear days	12	11	12	12	12	12	17	18	15	14	11	11	157
Hourly wind velocity, miles	8.9	9.3	10.4	11.8	11.1	10.2	8.9	8.8	9.6	9.8	9.3	8.6	9.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OHIO, COLUMBUS													
Temperature:													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	35.9	38.4	47.6	60.7	72.2	80.9	84.9	83.0	76.7	64.8	49.7	39.2	61.2
Daily mean minimum	21.4	23.0	30.7	41.6	52.3	60.9	64.9	63.0	56.3	45.6	34.2	25.7	43.3
Highest on record	72	72	84	90	96	99	104	103	98	90	77	67	104
Lowest on record	−20	−20	0	15	31	39	50	42	32	20	−5	−12	−20
Precipitation:													
Total, inches	3.06	2.67	3.50	2.87	3.59	3.31	3.55	3.26	2.57	2.46	2.77	2.73	36.34
Days with 0.01 inch or more	14	12	14	13	12	12	11	10	9	9	11	14	141
Total snowfall, inches	8.4	6.0	3.6	1.3	(1)	0	0	0	0	(1)	1.6	4.5	25.4
Percentage of possible sunshine	39	44	48	57	62	67	70	68	65	59	45	34	55
Number of clear days	6	6	7	9	10	10	12	12	13	12	8	5	110
Hourly wind velocity, miles	12.7	13.2	13.1	12.7	10.8	9.6	8.8	8.6	9.1	10.5	11.9	12.4	11.1
OKLAHOMA, OKLAHOMA CITY													
Temperature:													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.8	61.5	48.8	39.3	59.4
Daily mean maximum	46.4	50.5	61.5	70.8	77.6	85.9	90.9	90.4	83.8	72.6	59.4	48.9	68.9
Daily mean minimum	26.4	28.8	38.4	48.9	57.7	66.1	70.3	69.0	61.8	50.4	38.1	29.6	48.8
Highest on record	83	90	97	96	98	106	106	108	102	97	86	79	108
Lowest on record	−11	−17	4	22	33	46	55	49	35	16	9	−2	−17
Precipitation:													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	5	7	8	11	8	7	7	6	6	5	6	82
Total snowfall, inches	2.8	2.2	0.8	(1)	0	0	0	0	0	(1)	0.3	2.0	8.1
Percentage of possible sunshine	55	60	60	62	63	71	76	77	73	67	64	59	66
Number of clear days	13	12	13	12	11	14	16	17	17	18	16	14	173
Hourly wind velocity, miles	12.6	13.6	14.9	14.8	13.1	11.5	10.2	9.7	10.9	11.6	12.3	12.3	12.3
OREGON, PORTLAND													
Temperature:													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.5	48.1	54.3	60.7	66.3	72.2	77.4	77.6	71.4	63.0	52.7	46.0	61.1
Daily mean minimum	34.3	36.1	39.5	43.0	47.4	52.6	55.9	55.8	52.0	46.4	41.0	36.4	45.0
Highest on record	62	68	82	90	99	101	104	98	95	86	73	66	104
Lowest on record	−2	7	20	28	32	39	43	43	35	30	11	3	−2
Precipitation:													
Total, inches	6.60	5.36	3.91	2.87	2.19	1.52	0.61	0.64	1.98	3.12	6.10	6.72	41.62
Days with 0.01 inch or more	20	17	17	15	13	10	4	4	8	12	17	19	156
Total snowfall, inches	5.8	3.9	0.8	(1)	0	0	0	0	0	0	0.6	4.1	15.2
Percentage of possible sunshine	25	32	39	47	50	56	70	66	52	43	26	23	44
Number of clear days	4	4	6	6	8	9	16	16	11	8	4	3	95
Hourly wind velocity, miles	6.5	6.7	6.5	6.2	6.1	5.9	5.9	5.5	5.4	5.2	6.2	6.5	6.0
PENNSYLVANIA, PITTSBURGH													
Temperature:													
Monthly mean	30.7	32.5	39.6	51.2	62.4	70.7	74.6	72.9	66.4	55.7	43.2	34.2	52.8
Daily mean maximum	38.3	40.4	48.3	60.9	72.4	80.5	84.2	82.6	76.2	64.9	50.7	41.0	61.7
Daily mean minimum	23.0	24.2	31.1	41.6	52.2	61.0	65.0	63.2	56.5	46.4	35.7	27.3	43.9
Highest on record	75	77	84	90	95	98	103	103	102	91	79	73	103
Lowest on record	−12	−20	1	11	27	39	49	45	35	20	1	−9	−20
Precipitation:													
Total, inches	3.05	2.62	3.03	2.92	3.21	3.81	4.05	3.28	2.58	2.52	2.29	2.86	36.17
Days with 0.01 inch or more	16	14	15	13	13	12	12	10	9	10	12	15	151
Total snowfall, inches	9.2	7.3	5.8	2.2	(1)	0	0	0	(1)	0.1	2.0	7.1	33.7
Percentage of possible sunshine	31	36	45	47	56	61	63	61	63	56	40	29	49
Number of clear days	4	5	6	8	9	8	9	10	11	10	6	4	90
Hourly wind velocity, miles	12.2	12.6	12.7	12.0	10.2	9.4	8.7	8.5	8.7	9.9	11.9	12.0	10.7
RHODE ISLAND, PROVIDENCE													
Temperature:													
Monthly mean	27.2	29.0	35.7	46.6	58.5	68.3	73.4	71.0	63.2	52.2	40.4	31.6	49.8
Daily mean maximum	36.9	38.1	44.6	55.2	66.2	75.0	80.9	78.4	71.8	62.6	49.6	39.1	58.0
Daily mean minimum	21.2	18.6	28.0	37.5	47.6	55.9	63.0	60.9	53.9	41.9	31.3	24.8	40.9
Highest on record	64	62	84	88	92	96	100	97	92	87	75	68	100
Lowest on record	−9	−10	4	11	32	42	50	46	33	27	12	−12	−12
Precipitation:													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	13	11	12	12	12	10	10	9	9	9	10	10	127
Total snowfall, inches	8.3	10.3	6.0	2.0	(1)	0	0	0	0	0	0.7	5.6	32.9
Percentage of possible sunshine	47	56	59	56	59	62	62	61	60	59	52	49	57
Number of clear days	10	10	12	9	10	9	10	10	12	13	10	10	125
Hourly wind velocity, miles	14.2	15.0	15.3	13.7	12.6	11.2	10.1	9.9	10.6	11.6	13.3	13.9	12.6

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
SOUTH CAROLINA, CHARLESTON													
Temperature:													
Monthly mean	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	76.6	67.8	58.1	51.7	66.0
Daily mean maximum	57.3	59.9	65.2	71.9	79.6	85.5	87.8	87.1	82.9	74.7	65.7	59.3	73.1
Daily mean minimum	42.6	44.8	49.6	57.2	65.9	72.2	75.0	74.9	70.4	61.0	50.6	44.0	59.0
Highest on record	80	82	94	93	98	101	104	102	100	95	83	79	104
Lowest on record	10	7	24	32	45	49	63	62	49	37	23	12	7
Precipitation:													
Total, inches	3.02	2.98	3.02	2.53	3.00	4.59	6.89	6.53	4.53	3.27	2.14	2.72	45.22
Days with 0.01 inch or more	10	10	9	8	9	11	13	13	10	7	7	9	116
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	0.1	0.5
Percentage of possible sunshine	58	58	65	71	71	69	63	63	63	66	69	55	65
Number of clear days	10	10	12	13	12	8	8	8	11	14	13	12	131
Hourly wind velocity, miles	10.7	11.4	10.9	11.6	10.9	10.4	9.9	11.2	10.6	11.1	10.0	10.3	10.7
SOUTH DAKOTA, HURON													
Temperature:													
Monthly mean	11.3	14.3	28.9	45.1	56.4	66.2	71.8	69.4	61.3	47.7	31.5	18.7	43.6
Daily mean maximum	22.2	24.9	39.6	57.0	68.5	78.0	84.1	82.3	74.7	60.7	42.6	28.9	55.3
Daily mean minimum	0.5	3.7	18.1	33.2	44.2	54.3	59.5	56.6	47.9	34.7	20.4	8.4	31.8
Highest on record	64	68	85	94	97	103	108	108	106	94	77	65	108
Lowest on record	−43	−37	−25	5	20	31	41	33	18	−6	−28	−34	−43
Precipitation:													
Total, inches	0.56	0.54	0.91	2.24	2.98	3.79	3.16	2.46	1.57	1.28	0.59	0.57	20.65
Days with 0.01 inch or more	7	7	8	9	11	11	10	9	7	6	5	7	97
Total snowfall, inches	5.8	5.1	5.6	1.2	0.2	0	0	0	(1)	0.5	3.3	5.1	26.8
Percentage of possible sunshine	57	65	61	62	64	68	74	71	64	61	55	50	63
Number of clear days	11	10	9	10	10	11	14	14	13	13	11	11	137
Hourly wind velocity, miles	11.2	11.4	12.2	13.5	12.3	11.1	10.0	9.9	11.3	11.3	10.9	10.4	11.3
TENNESSEE, NASHVILLE													
Temperature:													
Monthly mean	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum	48.8	50.5	58.6	68.9	78.3	85.3	88.6	87.4	82.0	71.6	58.5	49.1	68.8
Daily mean minimum	30.4	32.6	39.9	49.0	58.1	66.0	69.7	68.2	61.7	50.4	39.5	33.0	49.9
Highest on record	78	79	89	90	96	100	102	104	104	92	81	75	104
Lowest on record	−10	−13	3	25	36	42	54	51	38	26	8	−2	−13
Precipitation:													
Total, inches	4.76	4.13	5.11	4.13	3.87	4.00	3.88	3.71	3.42	2.49	3.50	4.20	47.20
Days with 0.01 inch or more	12	11	12	11	10	11	11	9	8	7	9	11	122
Total snowfall, inches	2.9	2.9	1.5	0.1	(1)	0	0	0	0	(1)	0.2	1.4	9.0
Percentage of possible sunshine	43	47	53	61	67	69	70	69	70	65	57	42	59
Number of clear days	7	7	9	9	10	9	10	12	13	15	11	8	120
Hourly wind velocity, miles	10.0	11.0	12.0	11.0	9.0	8.0	7.0	7.0	7.0	8.0	9.0	10.0	9.0
TEXAS, FORT WORTH													
Temperature.													
Monthly mean	45.4	48.3	57.7	65.0	72.3	79.9	83.6	83.0	76.9	66.7	55.5	47.5	65.2
Daily mean maximum	55.5	59.2	68.6	75.3	82.1	90.0	93.8	93.0	87.1	77.4	65.6	57.3	75.4
Daily mean minimum	35.2	37.5	46.8	54.7	62.7	69.8	73.5	72.9	66.7	56.0	45.4	37.7	54.9
Highest on record	93	96	100	100	107	107	109	112	104	99	87	83	112
Lowest on record	1	−8	15	30	34	48	56	55	40	24	20	7	−8
Precipitation:													
Total, inches	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.58	1.87	33.13
Days with 0.01 inch or more	6	6	7	8	9	6	6	5	5	6	6	6	76
Total snowfall, inches	1.0	0.5	0.2	0	0	0	0	0	0	0	0.1	0.5	2.3
Percentage of possible sunshine	55	63	67	69	72	73	86	79	82	68	69	61	70
Number of clear days	11	11	15	11	11	13	14	15	16	16	14	14	161
Hourly wind velocity, miles	11.1	11.7	12.6	12.4	11.4	10.7	10.3	9.1	9.2	9.7	10.1	10.4	10.7
TEXAS, GALVESTON													
Temperature:													
Monthly mean	53.8	56.3	62.4	68.7	74.8	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum	59.2	61.6	67.4	73.3	79.2	85.2	88.0	87.7	84.8	77.7	68.6	61.8	74.5
Daily mean minimum	48.3	51.0	57.4	64.1	70.4	76.3	78.8	78.3	75.4	67.7	58.0	51.0	64.7
Highest on record	76	78	85	85	93	99	99	100	96	91	85	80	100
Lowest on record	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation:													
Total, inches	3.41	2.83	2.68	3.06	3.42	4.37	3.71	4.28	5.57	4.36	3.33	3.75	44.77
Days with 0.01 inch or more	10	9	8	7	6	7	9	9	9	7	8	10	99
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	(1)	0.4
Percentage of possible sunshine	52	53	57	62	70	78	74	70	69	77	66	53	65
Number of clear days	10	9	10	10	12	15	14	15	15	18	13	10	151
Hourly wind velocity, miles	11.6	11.9	11.7	12.1	11.3	10.1	8.9	8.5	9.8	10.2	10.9	11.4	10.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TEXAS, SAN ANTONIO													
Temperature:													
Monthly mean	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.7	68.9
Daily mean maximum	62.5	66.0	73.7	79.6	85.1	91.3	94.3	94.1	89.3	81.4	70.4	63.5	79.3
Daily mean minimum	42.1	44.9	51.9	58.6	65.2	70.8	73.3	72.3	68.7	59.6	50.2	44.0	58.5
Highest on record	87	91	97	100	103	105	106	108	103	99	89	86	108
Lowest on record	6	6	21	35	44	48	60	57	46	32	22	15	4
Precipitation:													
Total, inches	1.46	1.65	1.84	3.19	3.20	2.46	2.17	2.42	3.05	2.23	1.90	1.61	27.18
Days with 0.01 inch or more	8	7	7	7	8	7	6	6	7	5	7	7	82
Total snowfall, inches	(1)	0.1	0.1	0	0	0	0	0	0	0	(1)	0.2	0.4
Percentage of possible sunshine	51	53	57	57	62	71	73	75	71	67	52	52	62
Number of clear days	11	10	11	9	9	13	14	14	13	16	12	13	145
Hourly wind velocity, miles	7.8	8.4	9.0	8.8	8.2	7.6	7.2	6.3	6.7	6.2	7.3	7.3	7.6
UTAH, SALT LAKE CITY													
Temperature:													
Monthly mean	29.2	33.8	41.7	49.0	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum	36.4	41.5	50.5	59.5	68.2	79.2	88.0	86.5	76.0	62.9	49.6	39.1	61.4
Daily mean minimum	22.0	26.1	32.9	39.7	46.7	55.5	63.3	62.5	52.9	42.0	32.6	24.6	41.7
Highest on record	60	68	77	85	93	101	103	101	97	88	74	62	103
Lowest on record	−20	−13	0	18	25	32	43	44	29	22	−2	−10	−20
Precipitation:													
Total, inches	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.98	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	5	5	7	7	10	90
Total snowfall, inches	11.2	10.7	10.0	3.3	0.4	0.1	0	0	(1)	1.1	5.6	10.7	53.1
Percentage of possible sunshine	45	48	54	62	66	77	78	79	76	68	58	44	63
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	6.5	6.6	7.7	8.3	8.5	8.3	7.6	7.3	7.6	6.8	6.6	5.7	7.2
VERMONT, NORTHFIELD													
Temperature:													
Monthly mean	15.2	16.4	26.4	40.3	52.8	61.3	65.9	63.4	56.1	45.5	32.8	20.4	41.4
Daily mean maximum	26.0	27.2	36.3	50.7	64.5	73.1	77.6	75.0	67.7	55.9	41.2	29.6	52.1
Daily mean minimum	4.4	5.5	16.5	30.0	41.1	49.4	54.2	51.7	44.5	35.0	24.5	11.2	30.7
Highest on record	61	59	75	85	93	96	98	95	92	85	72	66	98
Lowest on record	−35	−35	−22	−1	18	28	34	31	20	9	−14	−41	−41
Precipitation:													
Total, inches	2.35	2.25	2.50	2.28	3.75	3.10	3.58	3.53	3.07	2.86	2.93	2.49	33.84
Days with 0.01 inch or more	14	11	13	12	13	13	14	13	12	13	13	13	154
Total snowfall, inches	18.8	20.1	16.6	6.3	(1)	0	0	0	(1)	(1)	10.0	15.5	87.3
Percentage of possible sunshine	35	48	51	49	51	55	57	55	51	41	30	32	46
Number of clear days	5	6	7	7	7	6	5	7	8	6	4	4	72
Hourly wind velocity, miles	8.7	9.0	9.5	9.2	8.6	7.4	6.8	6.5	7.1	7.9	8.4	7.9	8.1
VIRGINIA, LYNCHBURG													
Temperature:													
Monthly mean	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum	46.4	49.6	57.3	68.5	78.4	84.9	87.4	85.1	79.0	69.4	57.2	48.3	67.6
Daily mean minimum	28.6	31.1	37.2	46.1	56.2	64.3	67.6	66.1	58.9	47.6	37.2	30.7	47.6
Highest on record	77	80	92	95	97	101	103	105	99	94	81	79	105
Lowest on record	−7	−3	11	20	34	43	50	47	35	27	13	−5	−7
Precipitation:													
Total, inches	3.43	3.15	3.54	2.95	3.63	3.79	4.21	3.78	3.31	3.15	2.33	3.26	40.53
Days with 0.01 inch or more	11	10	11	10	11	12	11	11	8	7	7	9	118
Total snowfall, inches	5.4	4.2	2.9	(1)	0	0	0	0	0	(1)	(1)	3.0	15.5
Percentage of possible sunshine	45	53	59	62	67	65	70	66	66	64	57	45	60
Number of clear days	10	10	11	11	11	9	10	10	13	16	13	11	135
Hourly wind velocity, miles	5.4	5.9	6.3	6.0	4.8	4.1	3.9	3.6	3.7	4.3	4.9	4.9	4.8
WASHINGTON, SEATTLE													
Temperature:													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum	43.9	46.3	51.3	57.0	62.2	67.0	72.2	72.0	65.4	57.2	50.3	45.9	57.6
Daily mean minimum	35.2	35.9	38.6	41.9	46.7	51.0	54.1	54.3	50.7	45.6	40.9	37.6	44.4
Highest on record	63	67	81	85	92	98	95	92	87	81	68	62	98
Lowest on record	3	4	20	30	36	40	40	40	36	29	15	12	3
Precipitation:													
Total, inches	4.94	3.89	3.05	2.38	1.87	1.33	0.63	0.70	1.77	2.84	5.03	5.60	34.03
Days with 0.01 inch or more	19	16	16	14	13	10	5	4	9	12	18	19	155
Total snowfall, inches	5.9	4.7	1.3	0.2	0	0	0	0	0	(1)	1.2	1.9	15.2
Percentage of possible sunshine	25	35	44	51	51	54	63	59	48	33	21	21	42
Number of clear days	3	4	5	6	6	8	13	13	8	5	2	3	76
Hourly wind velocity, miles	8.6	7.9	8.6	7.5	7.5	7.1	6.3	5.7	6.6	6.7	8.1	8.4	7.4

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WEST VIRGINIA, PARKERSBURG													
Temperature:													
Monthly mean	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.9	67.3	56.1	43.8	35.2	54.2
Daily mean maximum	40.3	42.7	52.1	63.7	74.3	81.7	85.5	84.0	77.8	66.7	52.4	42.8	63.7
Daily mean minimum	24.8	25.8	33.5	43.1	53.2	61.2	65.2	63.7	56.8	45.5	35.2	27.7	44.6
Highest on record	74	76	86	93	96	99	102	106	99	91	81	72	106
Lowest on record	−12	−27	4	15	31	41	48	45	33	20	15	−10	−27
Precipitation:													
Total, inches	3.58	3.13	3.49	3.19	3.38	4.00	4.29	3.51	2.76	2.48	2.57	3.03	39.41
Days with 0.01 inch or more	15	13	15	13	12	13	12	10	9	9	10	13	144
Total, snowfall, inches	7.4	7.2	4.6	1.1	(1)	0	0	0	0	(1)	1.3	4.6	26.2
Percentage of possible sunshine	30	37	42	48	55	58	62	57	59	52	37	27	47
Number of clear days	7	7	9	10	11	11	14	13	13	13	8	7	123
Hourly wind velocity, miles	6.6	7.3	7.2	6.7	5.2	4.5	4.4	4.2	4.2	4.9	5.9	6.1	5.6
WISCONSIN, GREEN BAY													
Temperature:													
Monthly mean	15.7	17.4	28.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum	23.5	25.8	36.7	52.1	64.6	74.8	80.2	77.5	69.7	56.9	40.7	29.0	52.6
Daily mean minimum	7.8	9.1	20.4	34.3	45.3	55.1	59.7	57.9	51.0	40.1	27.2	15.5	35.3
Highest on record	51	59	82	85	91	100	101	98	95	84	71	52	101
Lowest on record	−36	−33	−23	11	22	34	43	38	25	8	−12	−21	−36
Precipitation:													
Total, inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.58
Days with 0.01 inch or more	10	9	10	11	13	11	11	10	10	9	10	10	124
Total snowfall, inches	12.0	9.0	7.7	2.8	0.2	0	0	0	0	1.0	5.6	9.9	48.2
Percentage of possible sunshine	46	47	53	52	60	62	66	61	56	48	37	37	52
Number of clear days	7	7	7	7	7	6	8	8	8	7	5	6	83
Hourly wind velocity, miles	10.1	10.5	10.8	14.6	10.5	8.4	8.1	8.0	8.9	9.7	10.5	10.2	10.0
WYOMING, LANDER													
Temperature:													
Monthly mean	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum	31.8	36.3	45.7	55.6	64.9	76.1	84.1	82.5	72.1	58.6	44.2	33.9	57.2
Daily mean minimum	4.7	8.7	19.2	29.3	37.6	44.8	50.6	48.4	39.3	28.5	16.5	7.0	27.9
Highest on record	64	64	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	−36	−35	−24	−3	13	26	32	23	7	−14	−31	−40	−40
Precipitation:													
Total, inches	0.56	0.63	1.19	2.06	2.26	1.15	0.69	0.53	0.92	1.36	0.60	0.63	12.63
Days with 0.01 inch or more	4	5	7	8	9	6	6	5	5	5	4	4	68
Total snowfall, inches	5.2	8.9	12.5	13.2	5.1	0.5	0	0	2.1	5.8	6.7	8.4	71.4
Percentage of possible sunshine	67	73	74	67	66	75	77	78	73	68	58	61	70
Number of clear days	12	10	9	9	8	12	13	13	15	14	11	12	138
Hourly wind velocity, miles	3.9	3.7	5.0	5.3	5.4	5.0	4.5	4.3	4.5	3.9	3.8	3.4	4.4

[1] Trace.

Source: The Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 157.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers, holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures

June 30—	Grand total	Regular Army[1]			National Guard[2]			Reserve forces[3]		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1890	136,624	27,089	2,103	24,921	109,535	8,556	100,980			
1895	140,051	27,172	2,154	25,018	112,879	9,227	103,652			
1900	223,366	68,155	2,486	65,669	122,213	8,246	113,967	[4] 32,998	[4] 1,531	[4] 31,467
1901	206,696	81,586	2,940	78,646	115,749	8,751	106,998	[4] 3,361	[4] 350	[4] 3,011
1902	185,805	75,584	3,731	71,853	110,221	(5)	(5)			
1905	178,269	66,956	3,934	63,022	111,313	8,680	102,633			
1907	168,837	63,624	3,797	59,827	105,213	8,567	96,646			
1908	187,369	76,428	3,966	72,462	110,941	8,583	102,358			
1909	203,385	81,459	4,208	80,251	118,926	8,975	109,951			
1910	200,378	80,716	4,439	76,279	119,660	9,155	110,505			
1912	213,313	91,461	4,650	86,811	121,852	9,142	112,710			
1914	225,819	97,780	4,883	92,877	128,043	8,792	119,251	[6] 16		[6] 16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	[6] 19		[6] 19
1916	244,483	107,641	5,025	102,616	132,194	8,589	123,605	[6] 4,643		[6] 4,648
1917	629,363	250,357	6,332	244,025	[7] 314,581	[8] 11,000	303,581	64,925	[9] 21,543	[10] 43,382
1918	2,246,103	[11] 741,084	[11] 10,518	[11] 730,566	[7] 445,678	[8] 12,000	[8] 433,678	1,059,341	[12] 135,380	[13] 923,961
1918 (Nov. 11)	3,673,888	[14] 3,673,888	[14] 188,434	[14] 3,485,454						
1919	931,422	830,382	[15] 78,003	758,379	37,210	1,198	36,012	57,330	[9] 45,573	[6] 11,757
1920	363,540	200,367	[15] 15,519	184,848	56,090	2,073	54,017	107,083	[9] 68,232	[6] 38,851
1921	407,920	227,374	[15] 14,124	213,250	113,040	5,843	107,797	66,906	[9] 66,905	[16] 1
1922	373,597	146,069	[15] 14,075	131,994	159,658	8,744	150,914	67,870	[9] 67,390	[16] 480
1923	370,042	130,964	[15] 12,682	118,282	160,598	9,675	150,923	78,480	[9] 76,923	[16] 1,557
1924	397,794	140,644	[15] 12,501	128,143	177,428 [17]	10,996	166,432	79,722	[9] 76,322	[16] 3,400
1925	406,162	134,624	[15] 12,909	121,715	177,525 [17]	11,595	165,930	94,013	[9] 88,898	[16] 5,115
1926	410,902	133,033	[15] 13,105	119,928	174,969 [17]	11,436	163,534	102,900	[9] 97,125	[16] 5,775
1927	421,519	133,079	[15] 13,175	119,904	181,142 [17]	12,192	168,950	107,298	[9] 101,563	[16] 5,735
1928	426,075	134,331	[15] 13,174	121,157	181,221 [17]	12,428	168,793	110,523	[9] 105,059	[16] 5,464
1929	421,466	137,360	[15] 13,168	124,192	176,988 [17]	12,535	164,453	107,118	[9] 101,926	[16] 5,192

[1] Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1926, the last emergency officer was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

[2] State militia prior to act of June 3, 1916.

[3] Figures for 1900 and 1901 are "U. S. Volunteers of the Philippine Insurrection period; for other years Regular Army Reserve, Officers' Reserve Corps, Enlisted Reserve Corps, and the "National Army" of the World War period, as noted.

[4] U. S. Volunteers.

[5] Figures on officers and enlisted men not available.

[6] Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

[7] Includes National Guard personnel in Federal service.

[8] Estimate.

[9] Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

[10] Includes Regular Army Reserve, 8,332; Enlisted Reserve Corps, 35,000 (estimate).

[11] Subject to revision.

[12] Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

[13] Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

[14] Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

[15] Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,093; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1, 208; 1929, 1,138.

[16] Enlisted Reserve Corps.

[17] Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182; 1928, 184; 1929, 188.

Source: Reports of the War Department.

No. 158.—NATIONAL GUARD:[1] ORGANIZED STRENGTH, JUNE 30

State or Territory	1922		1929		State or Territory	1922		1929	
	Officers	Enlisted men	Officers[2]	Enlisted men		Officers	Enlisted men	Officers[2]	Enlisted men
Total	8,744	150,914	12,535	184,453	Montana	20	419	75	1,080
					Nebraska	65	1,203	106	1,586
Alabama	152	2,455	207	2,415	Nevada	(3)	(3)	4	118
Arizona	30	526	62	991	New Hampshire	63	1,082	74	938
Arkansas	92	1,607	188	2,010	New Jersey	213	4,009	334	4,188
California	164	3,349	383	5,201	New Mexico	45	670	66	841
Colorado	91	1,305	133	1,592	New York	1,142	20,474	1,354	19,000
Connecticut	149	2,913	309	3,784	North Carolina	114	2,213	231	3,088
Delaware	56	710	57	739	North Dakota	46	1,102	70	1,080
District of Columbia	34	456	62	878	Ohio	513	8,118	588	7,451
Florida	94	1,651	160	2,200	Oklahoma	150	3,785	412	4,463
Georgia	129	2,391	238	3,183	Oregon	118	2,239	197	2,780
Hawaii	62	1,203	100	1,557	Pennsylvania	750	11,864	714	10,800
Idaho	57	896	84	1,049	Porto Rico	67	1,405	85	1,423
Illinois	355	6,606	630	8,649	Rhode Island	75	1,441	132	1,577
Indiana	200	4,632	356	4,234	South Carolina	95	1,781	126	1,873
Iowa	195	3,411	243	3,200	South Dakota	57	904	97	1,142
Kansas	172	2,536	246	2,908	Tennessee	55	776	187	2,208
Kentucky	110	2,327	195	2,518	Texas	326	5,581	567	7,082
Louisiana	79	1,440	128	1,762	Utah	46	710	111	1,217
Maine	114	2,060	158	2,049	Vermont	72	1,136	82	1,104
Maryland	168	2,415	235	2,904	Virginia	192	3,258	255	3,501
Massachusetts	483	7,850	640	8,699	Washington	148	2,364	207	2,442
Michigan	227	3,735	325	4,253	West Virginia	44	1,019	115	1,720
Minnesota	278	4,769	344	4,518	Wisconsin	430	6,470	360	4,277
Mississippi	63	1,362	125	1,628	Wyoming	29	440	42	626
Missouri	227	3,794	295	4,078					

[1] "National Guard" by act of June 3, 1916.
[2] Includes 188 warrant officers.
[3] Did not accept allotment.

Source: Reports of the War Department.

No. 159.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve[1]		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1903	2,009	27,245	435	4,901	195	6,091		
1905	2,252	30,804	465	4,475	273	6,932		
1907	2,652	33,027	504	5,225	279	8,038		
1909	2,823	44,129	525	5,039	334	9,348		
1910	2,921	45,076	540	5,961	394	9,152		
1911	3,099	47,612	602	6,592	386	9,454		
1912	3,114	47,515	615	7,185	319	9,567		
1913	3,505	48,008	615	7,440	380	9,757		
1914	3,711	52,667	596	7,132	341	9,888		
1915	3,780	52,561	606	7,706	344	9,968		
1916	4,134	54,234	638	9,170	646	14,081		
1917	4,253	100,539	[2] 4,166	46,070	500	24,772	373	4,073
1918	7,974	208,671	[2] 15,486	217,136	1,283	45,348	210	5,188
1919	10,488	169,575	[2] 32,137	80,705	1,997	43,921	725	6,145
1920	9,171	107,601	[2] 26,482	1,349	1,106	16,061	564	4,750
1921	8,625	119,205	[2] 19,784	(3)	1,087	21,903	545	4,120
1922	7,831	88,580	[2] 5,340	[4] 13,400	1,142	20,098	446	1,110
1923	7,873	82,365	4,222	16,098	1,140	18,533	136	443
1924	8,126	87,327	3,975	21,615	1,157	19,178	137	501
1925	8,389	84,289	3,818	24,457	1,168	18,310	150	483
1926	8,574	82,161	3,736	25,654	1,178	17,956	250	2,647
1927	8,904	83,666	3,771	26,203	1,200	18,000	378	5,685
1928	8,856	84,276	4,091	27,072	1,198	17,822	413	8,366
1929	8,905	85,284	6,078	28,821	1,182	17,615	445	9,119

[1] Figures prior to 1917 relate to the Naval Militia.
[2] Enrolled.
[3] No figures available.
[4] Approximate.

Source: Reports of the Navy Department.

No. 160.—ARMY OF THE UNITED STATES: ESTIMATED STRENGTH, BY MONTHS, APRIL 1, 1917, TO NOVEMBER 1, 1918

Date	Aggregate			In the United States and foreign possessions			In the American Expeditionary Forces [1]		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1917									
Apr. 1	199,705	9,159	190,546	199,705	9,159	190,546			
July 1	393,275	31,678	361,597	381,675	31,229	350,446	11,600	449	11,151
Oct. 1	1,011,963	58,400	953,563	954,249	54,103	900,146	57,714	4,297	53,417
1918									
Jan. 1	1,412,066	82,000	1,330,066	1,243,428	72,459	1,170,969	168,638	9,541	159,097
Apr. 1	1,672,975	96,000	1,576,975	1,364,893	77,469	1,287,424	308,082	18,531	289,551
July 1	2,379,579	115,179	2,264,400	1,514,378	75,117	1,439,261	865,201	40,062	825,139
Oct. 1	3,313,145	178,000	3,135,145	1,610,185	106,974	1,503,211	1,702,960	71,026	1,631,934
Nov. 1	3,545,330	185,000	3,360,330	1,681,311	108,369	1,572,942	1,864,019	76,631	1,787,388

[1] Exclusive of Navy and Marine Corps personnel serving with the Army.

Source: Reports of the War Department.

No. 161.—ARMY OF THE UNITED STATES: COMPARATIVE STRENGTH ON APRIL 1, 1917, AND NOVEMBER 11, 1918, BY BRANCHES OF SERVICE

Branch	Apr. 1, 1917			Nov. 11, 1918		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men
Total	199,705	9,159	190,546	3,673,888	188,434	3,485,454
Infantry [1]	107,002	4,674	102,328	1,046,306	39,445	1,006,861
Corps of Engineers	2,979	277	2,702	308,318	10,761	297,557
Field Artillery [2]	9,520	404	9,116	399,827	19,131	380,696
Medical Department	8,934	1,105	7,829	304,338	40,338	264,000
Quartermaster Corps	7,557	279	7,278	258,598	10,783	247,815
Coast Artillery Corps	21,347	786	20,561	152,913	5,388	147,525
Ordnance Department	837	96	741	66,767	5,158	61,609
Signal Corps	2,946	110	2,836	52,780	2,387	50,393
Cavalry	20,897	1,035	19,862	30,901	1,717	29,184
Air Service				197,446	19,198	178,248
Motor Transport Corps				62,608	2,993	59,615
Militia Bureau				26,262	1,194	25,068
Military Police Corps				17,547	492	17,055
Chemical Warfare Service				19,465	1,902	17,563
Tank Corps				15,960	1,090	14,870
Postal Express Service				3,154	131	3,023
Philippine Scouts	5,523	169	5,354	8,498	243	8,255
In training				444,780	12,766	432,014
All others	12,163	224	11,939	256,940	13,337	243,603

[1] Including machine gun units. [2] Including ammunition trains.

Source: Reports of the War Department.

No. 162.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*
1900	276	692,592	200	518,115	76	174,477
1910	308	1,075,407	220	828,695	88	246,712
1915	343	1,352,135	230	913,334	113	438,801
1920	795	2,111,457	618	1,369,880	177	741,577
1923	774	2,353,660	585	1,333,065	189	1,020,595
1924	753	2,258,843	565	1,253,182	188	1,005,661
1925	754	2,274,376	567	1,269,791	187	1,004,585
1926	734	2,247,955	557	1,273,550	177	974,405
1927	734	2,225,348	556	1,264,313	178	961,035
1928	735	2,310,481	561	1,331,043	174	979,438
1929	733	2,321,946	559	1,342,508	174	979,438

Source: Navy Department.

No. 163.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENTS, BY CLASSES, DECEMBER 31, 1929

NOTE.—The displacements given do not include the additional displacement added to certain vessels for providing for defense against air and submarine attack in accordance with the terms of the treaty limiting naval armament, nor the displacement of vessels authorized but for which designs are not yet approved. Standard displacements are displacements arrived at in accordance with the terms of the aforementioned treaty

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized but not yet placed	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*		*Tons*		*Tons*
Grand total, all types	704	2, 371, 933	394	1, 432, 381	323	764, 032	14	[1]125, 520	23	
Battleships, first line	19	525, 850	18	525, 850						
Cruiser type, total	50	400, 413	19	201, 930	8	78, 483	12	[1]120, 000	11	
Cruisers, second line	8	102, 390	3	36, 330	5	66, 060				
Light cruisers, first line	33	[1]300, 500	11	[1]80, 500			12	[1]120, 000	10	(3)
Light cruisers, second line	5	18, 823	2	6, 400	3	12, 423				
Aircraft carriers, first line	4	78, 700	3	78, 700					1	(3)
Destroyer type, total	282	318, 416	103	125, 121	167	153, 294			12	
Destroyers, first line	272	310, 429	103	125, 121	157	185, 308			12	(4)
Destroyers, second line	10	7, 986			10	7, 986				
Mine vessel type, total	61	75, 920	42	49, 346	19	26, 574				
Mine layers, second line	4	18, 396	2	9, 900	2	8, 496				
Light mine layers	14	16, 674	6	7, 146	8	9, 528				
Mine sweepers	43	40, 850	34	32, 300	9	8, 550				
Submarines, total	128	92, 965	70	65, 149	43	22, 316	2	[1]5, 520	4	
Submarines, first line	102	69, 458	75	[5]56, 112	26	13, 346			1	(4)
Submarines, second line	14	5, 652			14	5, 652				
Fleet submarines, first line	6	9, 675	3	6, 357	3	3, 318				
Fleet submarines—mine-laying type	1	[1]2, 080	1	[1]2, 080						
Fleet submarines—cruiser type	5	[1]5, 520					2	[1]5, 520	3	(3)
Patrol vessels, total	94	42, 122	56	23, 891	39	18, 231				
Eagles	53	26, 500	17	8, 500	36	18, 000				
Submarine chasers	26	2, 002	23	1, 771	3	231				
Gunboats	4	5, 967	4	5, 967						
River gunboats	8	2, 850	8	2, 850						
Converted yachts	3	4, 803	3	4, 803						
Auxiliaries, total	102	807, 784	62	442, 930	39	364, 854			1	
Destroyer tenders	8	82, 700	6	60, 050	2	21, 750				
Submarine tenders	8	59, 520	6	49, 500	2	10, 020				
Aircraft tenders	1	11, 500	1	11, 500						
Repair ships	3	26, 820	2	18, 720	1	8, 100				
Store ships	5	60, 566	2	21, 100	3	39, 466				
Colliers	5	96, 140	1	19, 250	4	76, 890				
Oilers	19	275, 350	10	135, 800	9	139, 550				
Ammunition ships	2	21, 200	1	10, 600	1	10, 600				
Cargo ships	6	55, 680	3	20, 230	3	33, 450				
Transports	3	20, 700	2	20, 700						
Hospital ships	3	25, 170	1	9, 800	2	15, 370			1	(4)
Ocean-going tugs	35	31, 444	23	21, 780	12	9, 664				
Miscellaneous	4	37, 000	4	37, 000						
Unclassified	29	108, 444	16	48, 164	13	60, 280				

[1] Standard displacements.
[2] Designs not approved and for 5 of these vessels no funds appropriated.
[3] Designs not approved.
[4] Designs not approved and no funds appropriated.
[5] Includes 84, which is in commission as special experimental vessel without propulsive machinery. Would require extensive work before being available for service.

Source: Navy Department.

No. 164.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Data cover the expenditures and budget of the national organization only and do not include chapter budgets. The estimates for 1930 include amounts appropriated to February 28, 1930, for domestic and foreign disasters. The total expenditures for 1921 were $24,493,000; 1922, $12,476,000; 1923, $9,738,660; 1924, $16,497,000

	1924–1929, total	1925	1926	1927	1928	1929	Estimated 1930
Total	72,008	5,837	7,382	11,360	19,868	11,064	4,710
Domestic operations:							
Service to disabled veterans	7,816	1,078	1,641	1,161	862	738	756
Service to men of the Regular Army and Navy	1,851	310	309	308	307	308	308
Disaster relief	35,232	1,023	3,643	7,961	16,692	4,864	1,608
Enrolled Nurses' Reserve	272	46	47	45	46	44	43
Public health nursing	1,239	230	216	211	161	154	234
Home hygiene and care of the sick	395	53	51	48	86	88	120
Nutrition	393	74	64	54	64	71	68
First aid and life saving	1,538	233	251	239	297	301	277
Junior Red Cross	1,325	217	212	188	237	238	230
Other domestic operations	1,678	303	264	236	299	293	355
Insular and foreign operations:							
Relief in foreign disasters	16,122	286	53	257	213	3,343	103
League of Red Cross Societies	1,133	177	180	193	211	208	254
Junior Red Cross foreign projects	388	81	74	69	31	29	54
Assistance to insular chapters	830	110	50	76	64	66	----
Other insular and foreign work		80	55	48	20	40	----
Supervision of service activities and general management	1,782	333	271	265	268	278	390

No. 165.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1928–29

NOTE.—Total continental United States adult membership (including Alaska) and per cent of total population in previous years: 1918–19, 10,606,773 (18.62 per cent); 1919–20, 9,171,513 (8.67 per cent); 1920–21, 5,836,353 (5.52 per cent); 1921–22, 3,763,111 (3.56 per cent); 1922–23, 3,330,089 (3.15 per cent); 1923–24, 3,048,586 (2.88 per cent); 1924–25, 3,033,093 (2.87 per cent); 1925–26, 2,915,308 (2.76 per cent); 1926–27, 2,995,846 (2.5 per cent); 1927–28, 3,975,155 (3.4 per cent)

State or Territory	Adult membership	Population (thousands) [1]	Per cent of membership to population	State or Territory	Adult membership	Population (thousands) [1]	Per cent of membership to population
Grand total	4,127,940			Montana	22,782	714	3.2
				Nebraska	38,621	1,396	2.8
Continental U. S.[2]	4,019,316	118,663	3.4	Nevada	4,518	[3] 77	5.8
				New Hampshire	32,505	455	7.1
Alabama	18,101	2,549	0.7	New Jersey	189,957	3,749	5.1
Alaska	3,067	[3] 55	7.2	New Mexico	7,700	392	2.0
Arizona	11,266	469	2.5	New York	505,586	11,423	4.4
Arkansas	37,330	1,923	1.9	North Carolina	39,592	2,897	1.4
California	275,391	4,433	6.2	North Dakota	30,603	[4] 641	4.8
Colorado	33,235	1,074	3.1	Ohio	361,935	6,710	4.5
Connecticut	96,897	1,636	5.9	Oklahoma	33,911	2,384	1.4
Delaware	9,582	243	3.9	Oregon	41,199	890	4.6
Dist. of Columbia	30,067	540	5.6	Pennsylvania	462,556	9,730	4.8
Florida	35,964	1,363	2.6	Rhode Island	35,127	704	5.0
Georgia	23,976	3,171	0.7	South Carolina	12,410	1,845	0.7
Idaho	13,768	534	2.6	South Dakota	15,072	696	2.2
Illinois	150,020	7,296	2.1	Tennessee	28,649	2,485	1.2
Indiana	105,981	3,150	3.4	Texas	102,824	5,397	1.9
Iowa	88,829	2,425	3.7	Utah	9,651	522	1.8
Kansas	54,503	1,828	3.0	Vermont	25,215	[3] 352	7.1
Kentucky	50,259	2,538	2.0	Virginia	56,367	2,546	2.2
Louisiana	47,920	1,934	2.5	Washington	62,068	1,562	4.0
Maine	33,400	793	4.2	West Virginia	32,708	1,696	1.9
Maryland	53,698	1,597	3.4	Wisconsin	55,129	2,918	1.9
Massachusetts	198,006	4,242	4.7	Wyoming	9,051	241	3.8
Michigan	231,563	4,499	5.2	At large	2,295	----	----
Minnesota	96,884	2,686	3.6				
Mississippi	33,750	[3] 1,791	1.9	Insular territories and possessions	108,680	----	----
Missouri	127,143	3,510	3.6				

[1] Census estimates as of July 1, 1927.
[2] Includes Alaska.
[3] Population Jan. 1, 1920.
[4] Population State census, 1925.

Source of Tables 164 and 165: The American Red Cross.

No. 166.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see subsequent tables) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921, and who come under the jurisdiction of the Pension Bureau

June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses	June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	Invalids	Widows, etc.	Total	In thousands of dollars			Invalids	Widows, etc.	Total	In thousands of dollars	
1866	55,652	71,070	126,722	15,450	407	1904	720,921	273,841	994,762	141,004	3,849
1870	87,521	111,165	198,686	29,351	600	1905	717,761	280,080	998,441	141,143	3,722
1875	122,989	111,832	234,821	29,270	982	1906	701,483	284,488	985,971	139,000	3,523
1880	145,416	105,392	250,802	56,639	935	1907	679,937	287,434	967,371	138,155	3,309
1885	182,633	103,064	285,697	54,313	1,466	1908	658,071	293,616	951,687	153,093	2,801
1893	206,042	97,616	303,658	60,428	2,392	1909	632,557	313,037	946,194	161,974	2,853
1884	225,470	97,286	322,756	57,912	2,835	1910	602,180	318,903	921,083	159,974	2,658
1885	247,146	97,979	345,125	65,172	3,393	1911	570,050	322,048	892,098	157,325	2,517
1896	270,340	95,437	365,783	64,091	3,245	1912	538,000	322,294	860,294	152,986	2,449
1887	306,298	99,709	406,007	75,753	3,753	1913	503,633	316,567	820,272	174,172	2,543
1888	343,701	108,856	452,557	78,951	3,515	1914	470,331	314,908	785,239	172,418	2,067
1889	373,699	116,026	489,725	88,843	3,467	1915	437,448	310,699	748,147	165,518	1,780
1890	415,654	122,290	537,944	106,094	3,526	1916	403,120	306,452	709,572	159,155	1,657
1891	530,821	139,339	676,160	117,313	4,701	1917	369,936	303,175	673,111	160,895	1,563
1892	703,242	172,526	876,068	139,394	4,899	1918	340,318	306,582	646,895	179,835	1,528
1893	759,706	206,306	966,012	156,907	4,868	1919	313,140	311,287	624,427	222,159	1,433
1894	754,382	215,162	969,544	139,987	3,964	1920	285,219	305,971	592,190	213,295	1,395
1895	751,456	219,068	970,524	139,812	4,338	1921	267,731	298,322	566,053	258,721	1,390
1896	748,514	222,164	970,678	138,221	3,991	1922	256,918	290,098	547,016	253,808	1,394
1897	747,402	228,522	976,014	139,960	3,988	1923	253,656	286,070	539,756	263,013	1,902
1898	758,511	235,203	993,714	144,652	4,114	1924	248,116	277,423	525,539	229,995	1,498
1899	754,104	237,415	991,519	138,462	4,148	1925	244,886	267,651	512,537	217,151	1,489
1900	752,510	241,019	993,529	138,355	3,842	1926	246,139	255,584	501,723	207,844	1,436
1901	748,649	249,086	997,735	138,531	3,869	1927	246,194	243,748	489,942	230,153	1,327
1902	739,443	260,003	999,446	137,504	3,831	1928	259,030	232,164	491,194	228,066	1,215
1903	729,356	267,189	996,545	137,760	3,093	1929	259,580	218,335	477,915	229,890	1,277

PENSIONERS AND PENSIONS OF THE SEVERAL WARS

War	Total payments (thousands of dollars), 1790 to June 30, 1929	Number on rolls June 30—			Amount paid (thousands of dollars), year ended June 30—			Value of average pension		
		1920	1928	1929	1920	1928	1929	1920	1928	1929
Total	7,950,355	592,190	491,194	477,915	213,295	228,066	229,890	$340	$466	$481
War of the Revolution	70,000									
War of 1812	46,189	71	14	11	21	9	7	233	636	655
Indian wars	39,922	6,228	8,871	9,574	1,746	3,957	4,452	203	446	465
War with Mexico	59,073	2,571	849	731	677	544	473	240	641	647
Civil War	7,244,677	533,729	272,906	241,219	202,586	149,669	143,594	359	548	595
War with Spain	386,748	30,432	191,270	207,861	4,624	70,674	76,846	142	370	370
Regular establishment	86,980	19,031	17,220	18,457	3,604	4,096	4,503	181	238	244
World War	252	128	64	62	37	16	16	228	254	259
Unclassified	16,513									

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1929

	$12	$20	$25	$30	$40	$50	$65	$72	$80	Other rates
Regular establishment:										
Soldiers	2,274	103	39	1,863	62	345	6	259	148	9,656
Widows, etc	2,487	373	161	288	76	71				243
Civil War:										
Soldiers	3	3	1	20	3	379	24,946	28,254	6,164	211
Widows, etc	306	1,431	529	59,591	100,273	18,760	3		2	340
War with Spain:										
Soldiers	158	42,227	39,363	41,938	30,865	22,010	1	1,753	74	829
Widows, etc	70	1,256	47	27,149	12	19				50
Other wars: [1]										
Soldiers	42	476	165	731	888	3,262		1		10
Widows, etc	37	34		3,950	7	707				

[1] Not including 62 pensioners of the World War receiving from $6 to $100 per month.

Source: Bureau of Pensions, Department of the Interior.

GENERAL NOTE.—The following is a summary of the various forms of veterans' relief under the administration of the United States Veterans' Bureau.

Compensation is awarded for death or disability resulting from personal injuries received or diseases contracted in the military or naval service on or after April 6, 1917, and before July 2, 1921, or for an aggravation or recurrence of a preexisting disability resulting from such service. The rates of compensation range from $8 per month for a temporary disability to $200 per month for double permanent total disability. In some instances a $50 allowance for an attendant is granted in addition to other compensation.

Yearly renewable term insurance.—During the period of the war and until July 2, 1927, yearly renewable term insurance ranging from $500 to $10,000 was issued. All term insurance not converted into permanent United States Government life insurance before July 2, 1927, lapsed. Claims upon such policies are paid in 240 monthly installments except where there is no beneficiary named or where the beneficiary named dies before receiving all of the payments, the remainder is paid in one sum.

Medical and hospital care.—In addition to compensation payments, the disabled person is furnished reasonable Government medical, surgical, and hospital service and supplies, and appliances considered reasonably necessary. Hospital facilities of this bureau are also available for veterans of the Spanish American War, the Philippine Insurrection, the Boxer Rebellion, or the World War, suffering from neuropsychiatric or tubercular ailments and diseases, paralysis agitans, encephalitis lethargica or amoebic dysentery, or the loss of sight of both eyes, whether such ailments or diseases are due to military service or otherwise. The bureau is also authorized to furnish hospitalization and necessary traveling expenses to veterans of any war since 1897, without regard to the nature or origin of their disabilities.

Vocational rehabilitation.—Under the act of July 27, 1918, honorably discharged members of the Army, Navy, or Marine Corps who were unable to carry on in a gainful occupation successfully were provided with vocational training at Government expense, including allowances for maintenance of them and their dependents. The act also provided for the placement of rehabilitated persons in suitable occupations. Veterans who suffered a compensable disability but were not vocationally handicapped were provided with instruction, including tuition and supplies, but were not given maintenance allowance. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1928.

United States Government life insurance.—United States Government life insurance is issued in any multiple of $500, not less than $1,000 or more than $10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For rates and forms of insurance see Tables 169 and 171.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

Adjusted compensation.—The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is $1.25 and $1 per day and the amount of credit is limited to $625 and $500 for overseas and home service, respectively. Veterans entitled to not more than $50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted service credit increased by 25 per cent would purchase at the age of the veteran on the birthday nearest the date of the certificate, with interest at 4 per cent compounded annually. An amendment authorized the bureau to make loans direct to the veteran; prior to its passage loans secured by adjusted service certificates could be made only by the banks.

Retirement of disabled emergency officers.—The act of May 24, 1928, provides that all emergency officers who served during the World War who have a permanent disability incurred in line of duty of 30 per cent or more shall receive retirement pay and shall be entitled to the same privileges as are now or may hereafter be provided for by law or regulations for officers of the Regular Army, Navy, or Marine Corps who have been retired for physical disability incurred in line of duty.

No. 167.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS

[All figures in thousands of dollars]

	Total to June 30, 1924	Year ended June 30—				
		1925	1926	1927	1928	1929
Grand total	2,669,371	393,756	436,105	405,348	421,001	432,743
Disbursements from appropriations	2,345,934	384,787	426,237	393,584	403,373	410,448
Losses on war-risk insurance on American vessels, their cargoes, etc.	35,107	2	[1] 54			1
Military and naval family allowance	282,196	7	[1] 7	[1] 87	[1] 24	[1] 8
Military and naval insurance [2]	529,116	104,137	135,975	120,964	120,771	121,349
Military and naval compensation	600,510	129,597	164,437	173,477	181,800	188,931
Vocational rehabilitation	556,155	60,483	25,841	2,206	233	[1] 3
Medical and hospital services, U. S. Veterans' Bureau	195,315	33,033	31,198	31,555	30,167	29,809
Hospital facilities and services	12,776	3,805	4,511	4,599	5,222	4,044
Salaries and expenses, Veterans' Bureau	125,936	45,001	42,164	36,354	37,815	30,932
Soldiers' and sailors' civil relief claims	20					
Printing and binding	107	158	136	127	134	128
Increase of compensation	8,696	6	[1] 3			
Administrative expenses adjusted compensation, 1924–25		809	26			
Adjusted service and dependent pay		3,038	5,626	9,960	10,153	6,453
Adjusted service certificate fund		4,697	15,355	14,498	17,698	19,745
All other		14	12	21	4	61
Disbursements from trust funds	323,437	8,969	9,868	11,764	17,628	22,295
Allotment trust fund	300,991	3	[1] 14	[1] 100	[1] 36	[1] 6
United States Government life-insurance fund	22,371	8,962	9,882	11,864	17,664	22,301
Vocational rehabilitation gift fund	75	4				

[1] Credit.

[2] $452,102,000 in premiums credited to this appropriation.

Source: United States Veterans' Bureau.

No. 168.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

NOTE.—See general note, p. 161

	Total to June 30, 1929	Period or year ended June 30—					
		1917–1924	1925	1926	1927	1928	1929
Number of awards made during period or year:							
Compensation—							
Total original awards	560,919	461,377	28,881	26,780	15,429	14,152	14,300
Original death	79,744	59,587	4,995	9,175	2,303	1,890	1,794
Original disability	481,175	401,790	23,886	17,605	13,126	12,262	12,506
Disability change to death	28,193	10,169	3,556	4,913	3,514	3,370	2,871
Term insurance—							
Total original awards	173,532	161,257	3,906	4,346	1,901	995	947
Original death	140,773	135,836	1,166	1,254	688	488	341
Original disability	32,759	24,421	2,830	3,092	1,303	507	606
Disability changed to death	17,005	11,419	1,578	1,598	852	680	938
Converted insurance—							
Total original awards	16,193	4,602	1,464	1,850	1,957	2,914	3,406
Original death	10,447	3,237	970	1,014	1,199	1,822	2,205
Original disability	5,746	1,365	494	836	758	1,092	1,201
Disability changed to death	1,258	264	149	173	190	218	264
Number of awards active at end of period or year:							
Compensation		237,147	277,602	305,177	326,450	343,170	349,806
Death		58,110	65,958	78,693	82,889	85,634	87,668
Disability		179,037	211,644	226,484	243,611	257,536	262,138
Term insurance		140,857	153,331	154,881	146,047	144,081	137,369
Death		141,754	143,823	144,057	135,005	133,107	115,425
Disability		8,103	9,508	10,824	11,042	10,974	11,944
Converted insurance		2,054	2,602	3,375	4,086	5,298	6,634
Death		1,032	1,276	1,462	1,694	2,075	2,532
Disability		1,022	1,326	1,913	2,392	3,223	4,102

No. 169.—GOVERNMENT LIFE INSURANCE: ANNUAL PREMIUM RATES ON $1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE

Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*		*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
15	12.29	19.25	15.36	38.86	23.98	14.88	7.44	43	26.58	33.43	28.11	42.53	30.12	44.77	10.87
16	12.52	19.61	15.59	38.86	24.10	15.24	7.44	44	27.64	34.38	29.06	42.88	30.95	47.72	11.22
17	12.76	19.85	15.83	38.98	24.10	15.59	7.56	45	28.71	35.32	30.09	43.47	31.66	50.91	11.69
18	12.99	20.20	16.07	38.98	24.22	16.07	7.56	46	29.89	36.38	31.19	43.94	32.60	54.69	12.17
19	13.23	20.44	16.30	38.98	24.22	16.54	7.56	47	31.19	37.56	32.25	44.65	33.55	58.83	12.76
20	13.58	20.79	16.54	39.10	24.33	17.01	7.68	48	32.60	38.75	33.55	45.36	34.61	63.67	13.47
21	13.82	21.14	16.89	39.10	24.33	17.48	7.68	49	34.02	39.93	34.85	46.07	35.79	69.22	14.18
22	14.18	21.50	17.13	39.10	24.45	18.07	7.80	50	35.56	41.34	36.38	47.02	37.09	75.72	15.00
23	14.53	21.85	17.48	39.22	24.45	18.66	7.80	51	37.21	42.76		47.96	38.51	83.28	15.95
24	14.88	22.21	17.84	39.22	24.57	19.25	7.91	52	38.98	44.30		49.02	40.05	92.49	16.89
25	15.24	22.56	18.07	39.34	24.69	19.85	7.91	53	40.87	45.83		50.20	41.82		18.07
26	15.59	23.04	18.43	39.34	24.81	20.55	8.03	54	42.88	47.61		51.62	43.59		19.37
27	15.95	23.39	18.78	39.45	24.93	21.26	8.03	55	45.13	49.50		53.04	45.60		20.79
28	16.42	23.86	19.14	39.45	25.04	22.09	8.15	56	47.37	51.50		54.69			22.33
29	16.89	24.33	19.61	39.57	25.16	22.92	8.27	57	49.85	53.75		56.47			24.10
30	17.36	24.81	19.96	39.69	25.40	23.74	8.39	58	52.45	55.99		58.47			26.11
31	17.84	25.28	20.44	39.81	25.52	24.60	8.51	59	55.28	58.59		60.72			28.23
32	18.31	25.87	20.91	39.93	25.75	25.75	8.62	60	58.36	61.31		63.08			30.60
33	18.90	26.34	21.38	40.05	25.99	26.82	8.74	61	61.66						33.19
34	19.49	26.93	21.85	40.16	26.22	28.00	8.86	62	65.21						36.15
35	20.08	27.52	22.44	40.28	26.46	29.30	8.98	63	69.99						39.34
36	20.79	28.11	23.04	40.52	26.82	30.71	9.10	64	73.00						42.88
37	21.38	28.82	23.63	40.64	27.17	32.13	9.33	65	77.37						46.78
38	22.33	29.53	24.22	40.87	27.52	33.78	9.45	66	82.10						51.15
39	22.92	30.24	24.93	41.11	27.88	35.56	9.69	67	87.18						55.87
40	23.74	30.95	25.63	41.46	28.47	37.50	9.92	68	92.61						61.07
41	24.69	31.78	26.34	41.70	28.94	39.69	10.28	69	98.49						66.62
42	25.52	32.60	27.17	42.05	29.53	42.05	10.51	70	104.78						72.77

Source of Tables 168 and 169: United States Veterans' Bureau.

No. 170.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS PAID DIRECT TO VETERANS' BUREAU

NOTE.—See general note, p. 161. During the war premiums on term insurance were collected by the War and Navy Departments; thereafter direct by the Veterans' Bureau, except for those in service whose premiums were collected by deductions from payrolls and paid to the Veterans' Bureau.

	Insurance policies in force June 30						Premiums paid direct to Veterans' Bureau during period or year ended June 30	
	Term insurance			Converted insurance				
	Total	Men in service	Men out of service	Total	Men in service	Men out of service	Term insurance	Converted insurance
Number:								
1921 [1]	397,890	96,176	301,714	253,164	39,828	213,336	8,913,460	1,901,230
1922	300,926	48,335	252,591	280,852	25,005	255,847	3,008,191	1,364,970
1923	240,291	26,725	213,566	319,774	21,557	298,217	2,466,222	1,525,324
1924	209,385	18,913	190,472	353,215	19,576	333,639	2,090,855	1,712,810
1925	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926	130,103	6,655	123,448	423,557	25,560	397,997	1,500,111	2,060,421
1927	87,100	2,351	84,749	500,880	29,588	471,292	979,318	2,440,325
1928	266		266	660,108	31,893	628,215		3,593,159
1929	229		229	649,837	30,359	619,478		3,602,351
Amount (1,000 dollars):								
1921 [1]	2,980,669	567,495	2,413,165	868,716	136,667	732,049	64,017	32,624
1922	2,314,663	331,623	1,983,040	1,033,737	92,036	941,701	20,755	26,864
1923	1,854,146	183,359	1,670,787	1,216,064	81,979	1,134,085	17,401	30,919
1924	1,609,030	129,805	1,479,225	1,375,543	97,956	1,277,587	14,781	35,345
1925	1,372,091	89,597	1,282,494	1,492,937	111,694	1,381,243	13,105	39,388
1926	1,008,511	52,281	956,230	1,773,076	138,284	1,634,792	10,650	44,417
1927	672,075	19,308	652,767	2,220,970	170,174	2,050,796	7,258	54,047
1928	1,654		1,654	3,111,995	181,322	2,930,673	906	71,113
1929	1,342		1,342	3,058,577	176,615	2,881,962	552	69,263

[1] Premiums collected are totals from origin to June 30, 1921.

No. 171.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1929					In force June 30, 1929	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total	825,467	3,687,801	$4,468	100.00	100.00	649,837	3,058,577
Ordinary life	170,242	879,158	5,164	20.62	23.84	135,702	732,798
20-payment life	205,954	877,472	4,261	24.95	23.79	167,661	737,099
30-payment life	32,793	166,264	5,070	3.97	4.51	28,624	147,299
20-year endowment	212,038	565,924	2,669	25.69	15.35	127,949	382,541
30-year endowment	42,306	178,629	4,222	5.13	4.84	34,893	149,653
Endowment at age 62	40,348	194,581	4,823	4.89	5.28	34,700	169,310
Convertible term	121,786	825,773	6,781	14.75	22.39	99,594	678,996
Extended insurance						20,714	60,881

No. 172.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1929

	Total to June 30, 1929	Year ended June 30, 1929		Total to June 30, 1929	Year ended June 30, 1929
Income, total	$483,367,192	$86,011,253	Disbursements—Contd.		
Premiums	391,855,354	67,428,271	Dividends	$25,533,005	$5,818,746
Interest on investments	48,044,342	9,492,509	Interest on dividend deposits	1,214	515
Repayments under sec. 406 as amended Aug. 9, 1921	36,945,001	7,945,859	Payments on matured endowment	88,135	48,050
Profit on sale of investments	3,365,921	236,533	Balance, total	390,321,045	
Interest on loans	3,105,530	902,751	Investment and interest	212,831,661	
Interest on premiums	51,044	5,270	Loans on adjusted service certificates	129,241,007	
Disbursements, total	93,046,147	22,301,640	Loans on policies	46,110,553	
Paid on claims	58,013,471	14,350,011	Cash on hand	2,137,819	
Paid on surrenders	9,410,322	2,083,418			

Source of Tables 170, 171, and 172: United States Veterans' Bureau.

No. 173.—HOSPITALIZATION: UNITED STATES VETERANS' BUREAU BENEFICIARIES, YEARS ENDED JUNE 30

NOTE.—See general note, p. 161

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuropsychiatric	General			
All hospitals:									
1923	-------	24,526	23,604	9,886	9,403	4,315	-------	----------	-------
1924	-------	22,158	22,726	8,831	9,875	4,020	-------	----------	-------
1925	-------	27,447	26,631	9,660	12,139	4,832	-------	----------	-------
1926	-------	27,012	25,858	7,863	12,902	5,093	-------	----------	-------
1927	-------	26,386	25,318	6,956	12,748	5,614	-------	----------	-------
1928	-------	26,372	26,130	6,542	13,057	6,540	-------	----------	-------
1929	-------	27,642	27,734	6,547	13,781	7,456	-------	----------	-------
U. S. Veterans' Bureau hospitals:									
1923	18,693	12,264	10,429	4,773	3,438	2,218	9,889	$21,830,009	[1] $4.91
1924	15,616	11,274	11,984	4,986	5,182	1,816	10,178	19,484,142	[1] 4.55
1925	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	[1] 4.04
1926	20,433	16,569	16,241	5,299	8,462	2,480	12,662	25,321,354	[1] 4.19
1927	20,640	17,305	16,911	5,023	9,031	2,807	12,653	25,282,431	[1] 4.00
1928	21,233	17,849	17,996	4,854	10,044	3,008	13,542	26,091,386	[1] 4.00
1929	22,190	19,326	19,299	5,035	10,941	3,323	13,614	28,178,406	[1] 4.01
1929									
U. S. marine hospitals	[2] 434	424	434	28	2	404	-------	----------	-------
U. S. Army hospitals	[2] 2,617	1,975	1,847	472	256	1,119	-------	----------	-------
U. S. Navy hospitals	[2] 2,822	2,165	2,355	70	307	1,978	-------	----------	-------
National soldiers' homes	[2] 2,061	1,565	1,584	504	665	415	-------	----------	-------
Interior Department (St. Elizabeths)	[2] 342	350	342	-------	342	-------	-------	----------	-------
Contract hospitals	-------	1,837	1,923	138	1,268	217	-------	----------	-------

[1] Excludes hospitals which operated for only part of year under unnatural conditions.
[2] Represents only those hospital beds made available to patients of the U. S. Veterans' Bureau.

Source: United States Veterans' Bureau.

No. 174.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1929

NOTE.—See general note, p. 161

Branch of service and claim	Number	Amount (1,000 dollars)	Branch of service and claim	Number	Amount (1,000 dollars)
Grand total	3,650,093	3,514,105	Navy—Continued.		
			Dependents (over $50) [1]	8,342	3,435
Army, total	3,141,397	2,983,371	Certificates	426,036	457,442
Cash (less than $50):			$60 lump-sum payments	----------	151
Veterans	113,937	4,034			
Dependents	5,792	158	Marine Corps, total	65,708	69,472
Dependents (over $50) [1]	82,919	29,077	Cash (less than $50):		
Certificates	2,938,749	2,947,836	Veterans	449	15
$60 lump-sum payments	----------	2,266	Dependents	53	2
			Dependents (over $50) [1]	2,269	916
Navy, total	442,988	461,262	Certificates	62,937	68,460
Cash (less than $50):			$60 lump-sum payments	----------	79
Veterans	8,176	223			
Dependents	434	11			

[1] Payments of more than $50 to dependents are made in 10 equal quarterly installments.

No. 175.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act and amendments of July 3, 1926, and May 29, 1930 (effective July 1, 1930) employees of the classified service with competitive status, most of the principal groups of unclassified laborers, and certain other groups are eligible for retirement on annuity at the ages of 62, 65, and 70, according to the class of service, if they have rendered at least 15 years of service. Provision is also made for the retirement of employees in the service not less than 5 years who, before reaching the retirement age, become disabled. From the basic compensation of each employee within the scope of the acts there is deducted 3½ per cent (2½ prior to July 1, 1926) thereof for deposit to the credit of the retirement fund. All amounts deducted prior to July 1, 1930, and thereafter amounts deducted less $1 per month are credited to the employee's individual account. Under the amendment of May 29, 1930, annuities are composed of (1) a sum equal to $30 for each year of service not exceeding 30 and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 per cent per annum

[All money figures in thousands of dollars, except as indicated]

June 30 or year ended June 30—	Number of annuitants on roll			Civil service retirement and disability fund							Administrative expense
				Receipts			Disbursements				
	Total	Retired for age	Retired for disability	Total	Salary deductions	Interest, profits, etc.	Total	Annuities	Refunds	Balance in fund June 30	
1921	6,471	[1]	[1]	12,586	12,514	73	[2] 2,914	2,591	328	9,673	51
1922	7,570	6,667	909	14,854	14,266	587	[2] 6,392	4,188	2,203	18,134	50
1923	9,334	7,994	1,340	15,156	14,113	1,043	[2] 7,780	4,964	2,786	25,510	50
1924	10,548	8,895	1,653	16,632	15,109	1,523	8,557	5,692	2,864	33,586	66
1925	11,689	9,741	1,948	20,029	17,905	2,124	8,949	6,236	2,713	44,666	74
1926	12,524	10,277	2,247	20,174	17,872	2,302	10,210	6,767	3,444	54,629	74
1927	14,119	11,353	2,766	27,168	24,356	2,813	13,491	9,598	3,862	68,337	76
1928	15,383	12,173	3,210	29,503	26,455	3,048	14,762	10,990	3,771	83,078	76
1929	16,501	12,921	3,580	[3] 52,520	28,020	4,550	16,072	12,005	4,067	119,525	83

	1928	1929
Number on the roll June 30 by—		
Sex—		
Male	14,071	15,148
Retired for age	11,361	12,098
Retired for disability	2,710	3,050
Female	1,312	1,353
Retired for age	812	826
Retired for disability	500	527
Departments—		
State	6	6
Treasury	1,403	1,511
War	1,611	1,668
Justice	34	40
Post Office	8,105	8,874
Navy	2,036	2,145
Interior	670	670
Agriculture	325	327
Commerce	157	177
Labor	82	82
District of Columbia	85	99
Government Printing Office	545	543
Superintendent of Public Buildings and Parks	66	70
Interstate Commerce Commission	9	13
Veterans' Bureau	46	50
Architect of the Capitol	11	12
Library of Congress	15	19
General Accounting Office	133	128
Smithsonian Institution	13	13
All others	31	54

	1928	1929
Number on the roll June 30 by—		
Vocations—		
Mechanics	3,362	3,512
City letter carriers	2,698	2,988
Rural letter carriers	2,452	2,683
Post-office clerks	1,355	1,468
Railway postal clerks	1,191	1,290
Departmental and other	3,311	3,393
Laborers, classified and unclassified	1,014	1,008
Hazardous occupations and tropical service	[4]	159
Rates received—		
Less than $100	9	10
Between $100 and $200	116	127
Between $200 and $300	428	436
Between $300 and $400	854	827
Between $400 and $500	1,723	1,685
Between $500 and $600	1,590	1,630
Between $600 and $700	1,555	1,687
Between $700 and $800	1,761	1,935
Between $800 and $900	2,277	2,481
Between $900 and $999.96	1,668	1,750
The maximum, $999.96	3,302	3,933
Average annuity	$734	$746

[1] Not available.
[2] Includes a small amount of Treasury settlements not shown separately
[3] Includes $19,950,000 appropriated by Congress.
[4] Not shown separately in 1928.

Source: Commissioner of Pensions.

No. 176.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees
1816	6, 327		1895	189, 000	54, 222	1920 (July 31)	691, 116	497, 003
1821	8, 211		1901	256, 000	106, 205	1921 (July 31)	597, 482	448, 112
1831	19, 800		1905	349, 000	171, 807	1922	560, 863	420, 088
1841	23, 700		1907	305, 000	196, 918	1923	548, 531	411, 398
1851	33, 300		1909	370, 000	234, 940	1924	554, 986	415, 593
1861	49, 200		1911	370, 000	227, 667	1925	564, 718	423, 538
1871	53, 900		1913	443, 605	282, 597	1926	560, 705	422, 300
1881	107, 000		1915	461, 993	292, 296	1927	559, 138	422, 998
1884 (Jan. 15)		13, 780	1916	438, 057	296, 026	1928	568, 715	431, 703
1891	166, 000	33, 873	1918 (Nov. 11)	917, 760	642, 432	1929	587, 065	445, 957

No. 177.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included

Department or office	Total				Dec. 31, 1929				
	June 30, 1916	July 31, 1921	Dec. 31, 1926	Dec. 31, 1928	Total	In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438, 057	597, 482	548, 341	573, 107	589, 145	38, 742	25, 204	467, 700	57, 499
Department of State	2, 783	3, 733	4, 270	4, 482	4, 555	325	310	2, 944	976
Department of the Treasury	30, 629	73, 230	51, 519	51, 855	52, 830	5, 861	7, 752	31, 988	7, 229
Department of War	37, 995	68, 544	37, 076	46, 044	47, 130	2, 257	1, 781	39, 438	3, 654
Department of Justice	2, 610	3, 081	3, 671	3, 931	4, 392	593	254	2, 544	1, 001
Post Office Department	250, 885	288, 575 [1]	308, 161 [1]	312, 971 [1]	317, 316	3, 204	843	286, 015	27, 254
Department of the Navy	35, 722	69, 749	42, 506	48, 199	49, 326	6, 141	1, 183	39, 655	2, 347
Department of the Interior	19, 347	19, 705	12, 201	13, 511	14, 377	2, 314	1, 332	8, 315	2, 416
Department of Agriculture	18, 736	19, 179	20, 624	22, 478	24, 400	2, 966	2, 104	16, 510	2, 820
Department of Commerce	9, 903	13, 046	14, 537	15, 499	17, 407	3, 350	2, 090	11, 038	929
Department of Labor	2, 804	3, 833	4, 041	4, 267	4, 732	357	348	3, 246	781
Government Printing Office	4, 028	4, 464	4, 142	4, 191	4, 408	3, 473	935		
Smithsonian Institution	784	487	488	521	536	393	143		
Interstate Com. Com'n	2, 243	1, 919	1, 856	1, 996	2, 106	1, 196	256	632	22
Civil Service Commission	250	385	444	491	533	153	216	90	74
Bureau of Efficiency	27	55	51	71	67	44	23		
Federal Trade Commission	238	318	302	322	397	269	128		
Shipping Board [2]		6, 575	1, 551	1, 501	1, 311	423	290	422	167
Alien Property Custodian		162	233	184	186	99	87		
Tariff Commission		99	231	235	227	120	91	8	2
Employees' Comp. Com'n		79	68	174	170	35	74	23	38
Fed. Bd. for Voca'l Education		6, 411	60	68	81	39	42		
The Panama Canal	10, 291	9, 355	9, 690	11, 019	12, 939	61	14	12, 280	584
Public Buildings and Parks of the National Capital	217	1, 229	2, 274	2, 300	2, 481	1, 928	553		
General Accounting Office		1, 544	1, 984	1, 960	1, 971	1, 209	762		
Veterans' Bureau			23, 587	23, 927	24, 197	1, 531	3, 175	12, 314	7, 177
Railroad Administration [3]		1, 327	95	25	15	10	5		
War Finance Corporation [3]		(4)	106	31	16	9	3	2	2
National Advisory Committee for Aeronautics		(4)	164	199	241	19	20	188	14
Federal Reserve Board [3]	(4)	(4)	204	186	225	88	119	18	
Board of Tax Appeals			109	153	146	63	83		
Miscellaneous	165	322	84	223	427	206	179	30	12

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928	Dec. 31, 1929
Total	438, 057	[5] 917, 760	597, 482	548, 341	554, 175	573, 107	589, 145
In District of Columbia	39, 442	117, 760	78, 865	59, 569	60, 660	62, 140	63, 946
Outside District of Columbia	398, 615	[5] 800, 000	518, 617	486, 772	493, 551	510, 967	525, 199

[1] Does not include clerks at fourth-class offices (33,617 in 1929), who are employed and paid by the postmaster, and mail messengers (22,207 in 1929), because not included in previous computations.
[2] Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels.
[3] Positions not subject to the civil service act.
[4] Separate figures not available. Included in miscellaneous.
[5] Approximate.

Source of Tables 176 and 177: The Civil Service Commission.

No. 178.—CIVIL SERVICE: Number of Persons Examined by the Civil Service Commission, Number and Per Cent Who Passed, Number Appointed, and Approximate Number of Competitive Positions

Year ended June 30—	Total						Post office service [1]				Railway Mail Service [2]				All other services			
	Classified competitive positions [3]	Examined	Passed	Per cent that passed	Appointed	Per cent appointed of those that passed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed
1885 [4]	15,590	6,347	4,141	65.2	1,800	43.5	7,500	3,233	2,262	1,249					8,090	3,114	1,879	551
1890	30,626	22,994	13,947	60.7	5,182	37.2	13,097	11,193	6,904	2,850	5,836	4,463	3,129	1,403	11,693	7,338	3,914	932
1895	48,317	31,036	19,511	63.8	4,793	24.2	25,000	19,438	12,802	3,348	7,045	4,641	3,107	643	16,272	6,957	3,902	802
1900	94,893	46,602	34,965	75.0	9,889	28.3	37,000	16,584	11,447	3,931	8,696	4,488	3,844	736	49,197	25,530	19,674	5,222
1905	171,807	143,053	111,741	78.1	38,996	34.9	81,596	52,550	41,978	16,297	12,171	6,972	4,218	1,555	78,040	83,531	65,543	21,141
1907	196,918	129,317	93,920	72.6	43,003	45.8	95,866	51,025	37,771	16,456	14,212	6,566	4,085	2,051	86,840	71,726	52,064	24,496
1908	206,638	161,795	120,760	74.6	42,153	34.9	102,127	52,363	37,850	12,169	15,230	9,674	5,999	1,607	89,281	99,756	76,911	28,377
1909	234,940	158,484	123,449	77.9	40,943	33.2	122,711	57,568	45,468	11,441	15,967	15,724	11,336	1,302	96,262	85,192	66,645	28,110
1910	222,278	115,644	87,769	75.9	43,585	49.7	126,131	37,253	30,170	11,812	16,956	52	39	2,271	79,191	78,339	57,560	29,502
1911	227,657	105,924	70,159	66.8	23,256	33.2	127,228	42,750	34,149	9,328	17,428	8,972	6,760	1,982	83,001	53,302	29,250	11,946
1912	217,392	106,078	59,251	55.9	20,969	35.4	115,905	40,256	26,133	8,706	18,297	11,273	3,036	770	83,190	54,549	30,082	11,493
1913	282,597	141,905	94,390	66.5	[5] 35,154	37.2	161,846	59,181	39,810	14,905	19,620	18,340	9,616	1,270	101,131	64,384	44,984	18,979
1914	292,460	215,587	147,528	68.4	[6] 41,935	28.4	165,646	103,678	76,257	19,606	22,679	27,664	19,665	2,941	104,135	84,245	51,604	19,388
1915	292,296	167,795	114,632	68.3	[6] 36,398	31.8	166,322	70,734	52,586	13,682	21,769	33	17	146	104,199	97,028	62,029	22,570
1916	296,926	154,722	113,980	73.7	42,057	36.9	166,375	72,122	55,614	17,729	20,989	1	1	28	109,562	82,599	58,365	24,300
1917	326,899	212,114	156,927	74.0	86,312	55.0	167,639	51,416	38,560	19,569	21,191	13,975	10,433	43	138,069	146,723	107,934	66,700
1918	642,432	551,301	387,963	70.4	213,530	55.0	183,201	56,268	41,309	29,572	20,538	2,927	1,867	8,207	433,693	492,106	344,787	175,661
1919	569,745	438,259	299,826	68.4	133,533	44.5	190,081	58,459	41,433	29,949	20,833	9,930	6,480	1,291	358,831	369,870	251,904	102,293
1920	497,603	203,327	193,905	60.1	116,309	60.0	196,449	58,922	39,667	17,181	21,717	12,866	7,571	4,269	279,437	221,539	146,667	94,859
1921	448,112	303,309	203,209	67.0	101,711	50.1	205,352	114,033	74,977	32,601	22,320	15,803	9,849	6,044	220,440	173,473	118,383	63,066
1922	420,688	206,007	128,952	62.6	63,867	49.5	209,633	70,120	43,984	25,186	22,227	12,893	8,694	910	188,928	122,997	76,274	37,771
1923	411,398	204,209	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,236	22,052	23,642	12,512	998	177,268	119,436	69,823	34,410
1924	415,503	222,915	133,566	59.9	68,287	51.1	222,276	77,862	52,575	27,237	22,073	25,510	10,969	2,129	171,244	119,543	69,962	38,921
1925	423,538	201,416	122,495	60.8	50,164	40.9	226,801	77,978	50,617	20,560	22,340	60	33	629	174,397	123,377	71,845	28,975
1926	422,300	202,812	105,934	52.2	36,992	34.9	230,021	89,335	42,591	16,561	22,340	113	87	280	169,939	112,898	63,286	20,151
1927	422,998	257,401	126,118	49.0	38,777	30.7	232,244	98,423	45,080	17,560	22,281	29,481	15,717	708	168,473	129,497	65,321	20,509
1928	431,763	236,997	123,820	52.2	37,796	30.5	238,449	100,576	49,279	15,882	21,343	194	90	705	171,971	136,227	74,461	21,209
1929	445,957	243,510	125,726	51.6	44,817	35.6	241,394	96,276	44,986	16,843	21,379	12	6	833	183,184	147,222	80,734	27,141
Total from July 16, 1883		6,078,389	4,005,479	65.9	1,688,840	42.2		2,050,210	1,352,735	550,073		327,397	203,071	60,004		3,700,782	2,449,673	1,078,763

[1] Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seapost clerks.
[2] Railway mail clerks, classified May 1, 1889.
[3] At close of year or period; approximated.
[4] Jan. 16, 1884, to Jan. 15, 1885.
[5] The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.
[6] 11,635 fourth-class postmasters, appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1913, requiring examinations at offices whose incumbents had not been appointed under the regulations, are not included in this table.

Source: The Civil Service Commission.

No. 179.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1928, AND BY STATES, 1928

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920 and 1928, Farmer-Labor. In 1924, column represents votes for *La Follette-Wheeler electors*, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.

State	Republican	Democrat	Socialist and Socialist-Labor	Miscellaneous independent[1]	Prohibition	Total[2]
1888	5,444,337	5,540,050	----------	146,897	250,124	11,381,408
1892	5,190,802	5,554,414	----------	1,027,329	271,058	12,043,603
1896	7,035,638	[3] 6,467,946	[4] 36,454	131,529	141,676	13,813,243
1900	7,219,530	6,358,071	127,519	50,232	209,166	13,964,518
1904	7,628,834	5,084,491	436,184	114,753	259,257	13,523,519
1908	7,679,006	6,409,106	434,645	111,693	252,683	14,887,133
1912	3,483,922	6,286,214	926,090	4,126,020	208,923	15,031,169
1916	8,538,221	9,129,606	508,516	41,894	220,506	18,528,743
1920	16,152,200	9,147,353	950,974	265,411	189,408	26,705,346
1924	15,725,003	8,385,586	[4] 27,650	[4] 4,826,471	57,551	29,022,261
1928	21,392,190	15,016,443	289,023	6,390	20,106	36,879,414
Alabama	120,725	127,797	460	----------	----------	248,982
Arizona	52,553	38,537	----------	----------	----------	91,254
Arkansas	77,751	119,196	429	----------	----------	197,693
California	1,162,323	614,365	19,595	----------	----------	1,796,656
Colorado	253,872	133,131	3,472	1,692	----------	392,242
Connecticut	296,614	252,040	3,641	----------	----------	553,031
Delaware	68,860	36,643	329	----------	----------	105,891
Florida	144,168	101,764	4,036	----------	----------	253,674
Georgia	63,498	129,602	124	----------	----------	[5] 220,159
Idaho	99,848	53,074	1,308	----------	----------	154,230
Illinois	1,769,141	1,313,817	20,950	----------	----------	3,107,489
Indiana	848,290	562,691	4,516	----------	5,496	1,421,314
Iowa	623,818	378,936	3,190	3,088	----------	1,009,362
Kansas	513,672	193,003	6,205	----------	----------	713,200
Kentucky	558,064	381,070	1,177	----------	----------	940,604
Louisiana	51,160	164,655	----------	----------	----------	215,833
Maine	179,923	81,179	1,068	----------	----------	262,171
Maryland	301,479	223,626	[6] 2,607	----------	----------	528,548
Massachusetts	775,566	792,758	7,035	----------	----------	1,577,827
Michigan	965,396	396,762	4,315	----------	2,728	1,372,682
Minnesota	560,977	396,451	[6] 8,695	----------	----------	970,976
Mississippi	27,153	124,539	----------	----------	----------	151,692
Missouri	834,080	662,562	4,079	----------	----------	1,500,721
Montana	113,300	78,578	1,667	----------	----------	194,108
Nebraska	345,745	197,959	3,434	----------	----------	547,138
Nevada	18,327	14,090	----------	----------	----------	32,417
New Hampshire	115,404	80,715	455	----------	----------	196,747
New Jersey	926,050	616,517	5,397	----------	160	1,549,381
New Mexico	69,645	48,211	----------	----------	----------	118,014
New York	2,193,344	2,089,863	111,643	----------	----------	4,466,072
North Carolina	348,992	287,078	----------	----------	----------	636,070
North Dakota	131,441	106,648	842	----------	----------	239,867
Ohio	1,627,546	864,210	10,198	----------	3,556	2,508,346
Oklahoma	394,046	219,174	3,924	1,283	----------	618,427
Oregon	205,341	109,223	4,284	----------	----------	319,942
Pennsylvania	2,055,382	1,067,586	[6] 19,027	----------	3,880	3,150,615
Rhode Island	117,522	118,973	416	----------	----------	242,784
South Carolina	3,188	62,700	47	----------	----------	[5] 68,605
South Dakota	157,603	102,660	443	927	----------	261,865
Tennessee	195,388	167,343	631	----------	----------	363,473
Texas	367,036	341,032	722	----------	----------	708,990
Utah	94,618	80,985	954	----------	----------	176,608
Vermont	90,404	44,440	----------	----------	338	135,104
Virginia	164,609	140,146	430	----------	----------	305,351
Washington	335,844	156,772	6,683	----------	----------	500,840
West Virginia	375,551	263,784	1,313	----------	1,703	642,752
Wisconsin	544,205	450,259	18,594	----------	2,215	1,016,872
Wyoming	52,748	29,299	788	----------	----------	84,496

[1] See headnote.

[2] Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 they represent the entire vote cast, including 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots.

[3] Democrat-Populist.

[4] Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for *La Follette and Wheeler, official candidates of the Socialist Party as well as the Independent Progressive.*

[5] Total for Georgia includes 35,871 anti-Smith votes; for South Carolina, 2,670.

[6] Maryland includes 906 Labor votes; Minnesota and Pennsylvania, 1,921 and 380 Industrial votes, respectively.

Sources: 1888–1920, reports of State officials on file in the Department of State; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 180.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1908 TO 1928

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1908		1912			1916		1920		1924		1928	
	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	321	162	8	435	88	254	277	404	127	382	136	444	87
Plurality	159	.....	.....	347	.....	.....	23	277	.....	246	.....	357	.....
Alabama	.....	11	.....	12	.....	.....	12	.....	12	.....	12	.....	12
Arizona	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
Arkansas	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
California	10	.....	.....	2	11	.....	13	13	.....	13	.....	13	.....
Colorado	.....	5	.....	6	.....	.....	6	6	.....	6	.....	6	.....
Connecticut	7	.....	.....	7	.....	7	.....	7	.....	7	.....	7	.....
Delaware	3	.....	.....	3	.....	3	.....	3	.....	3	.....	3	.....
Florida	.....	5	.....	6	.....	.....	6	.....	6	.....	6	6	.....
Georgia	.....	13	.....	14	.....	.....	14	.....	14	.....	14	.....	.....
Idaho	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	14
Illinois	27	.....	.....	29	.....	29	.....	29	.....	29	.....	29	.....
Indiana	15	.....	.....	15	.....	15	.....	15	.....	15	.....	15	.....
Iowa	13	.....	.....	13	.....	13	.....	13	.....	13	.....	13	.....
Kansas	10	.....	.....	10	.....	.....	10	10	.....	10	.....	10	.....
Kentucky	.....	13	.....	13	.....	.....	13	.....	13	13	.....	13	.....
Louisiana	.....	9	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Maine	6	.....	.....	6	.....	6	.....	6	.....	6	.....	6	.....
Maryland	2	6	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Massachusetts	16	.....	.....	18	.....	18	.....	18	.....	18	.....	.....	18
Michigan	14	.....	.....	.....	15	15	.....	15	.....	15	.....	15	.....
Minnesota	11	.....	.....	.....	12	12	.....	12	.....	12	.....	12	.....
Mississippi	.....	10	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Missouri	18	.....	.....	18	.....	.....	18	18	.....	18	.....	18	.....
Montana	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
Nebraska	.....	8	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Nevada	.....	3	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New Hampshire	4	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
New Jersey	12	.....	.....	14	.....	14	.....	14	.....	14	.....	14	.....
New Mexico	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New York	39	.....	.....	45	.....	45	.....	45	.....	45	.....	45	.....
North Carolina	.....	12	.....	12	.....	.....	12	.....	12	.....	12	12	.....
North Dakota	4	.....	.....	5	.....	.....	5	5	.....	5	.....	5	.....
Ohio	23	.....	.....	24	.....	.....	24	24	.....	24	.....	24	.....
Oklahoma	.....	7	.....	10	.....	.....	10	10	.....	.....	10	10	.....
Oregon	4	.....	.....	5	.....	5	.....	5	.....	5	.....	5	.....
Pennsylvania	34	.....	.....	.....	38	38	.....	38	.....	38	.....	38	.....
Rhode Island	4	.....	.....	5	.....	5	.....	5	.....	5	.....	.....	5
South Carolina	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
South Dakota	4	.....	.....	.....	5	5	.....	5	.....	5	.....	5	.....
Tennessee	.....	12	.....	12	.....	.....	12	12	.....	.....	12	12	.....
Texas	.....	18	.....	20	.....	.....	20	.....	20	.....	20	20	.....
Utah	3	.....	4	.....	.....	.....	4	4	.....	4	.....	4	.....
Vermont	4	.....	4	.....	.....	4	.....	4	.....	4	.....	4	.....
Virginia	.....	12	.....	12	.....	.....	12	.....	12	.....	2	12	.....
Washington	5	.....	.....	.....	7	.....	7	7	.....	7	.....	7	.....
West Virginia	7	.....	.....	8	.....	7	1	8	.....	8	.....	8	.....
Wisconsin	13	.....	.....	13	.....	13	.....	13	.....	[1]	[1]	13	.....
Wyoming	3	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....

[1] See headnote.

Sources: 1908 to 1920, Journal of the Senate, Washington, D. C; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 181.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920

State	Ratios under Constitution and consuses													
	Constitution	1790	1800	1810	1820	1830	1840	1850 (1)	1860 (2)	1870 (3)	1880	1890	1900	1910
	30,000	33,000	33,000	35,000	40,000	47,700	70,680	93,423	127,381	131,425	151,911	173,901	194,182	211,877
	Representation													
Total	65	106	142	186	213	242	232	237	243	293	332	357	391	435
Alabama				[4]1	3	5	7	7	6	8	8	9	9	10
Arizona														[5]1
Arkansas						[4]1	1	2	3	4	5	6	7	7
California							[4]2	2	3	4	6	7	8	11
Colorado										[4]1	1	2	3	4
Connecticut	5	7	7	7	6	6	4	4	4	4	[6]4	4	5	5
Delaware	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Florida							[4]1	1	1	2	2	2	3	4
Georgia	3	2	4	6	7	9	8	8	7	9	10	11	11	12
Idaho											[4]1	1	1	2
Illinois				[4]1	1	3	7	9	14	19	20	22	25	27
Indiana				[4]1	3	7	10	11	11	13	13	13	13	13
Iowa							[4]2	2	6	9	11	11	11	11
Kansas									1	3	7	8	8	8
Kentucky		2	6	10	12	13	10	10	9	10	11	11	11	11
Louisiana				[4]1	3	3	4	4	5	6	6	6	7	8
Maine				[6]7	7	8	7	6	5	5	4	4	4	4
Maryland	6	8	9	9	9	8	6	6	5	6	6	6	6	6
Massachusetts	8	14	17	13	13	12	10	11	10	11	12	13	14	16
Michigan						[4]1	3	4	6	9	11	12	12	13
Minnesota								[4]2	2	3	5	7	9	10
Mississippi				[4]1	1	2	4	5	5	6	7	7	8	8
Missouri					1	2	5	7	9	13	14	15	16	16
Montana											[4]1	1	1	2
Nebraska									[4]1	1	3	6	6	6
Nevada									[4]1	1	1	1	1	1
New Hampshire	3	4	5	6	6	5	4	3	3	3	2	2	2	2
New Jersey	4	5	6	6	6	6	5	5	5	7	7	8	10	12
New Mexico														[5]1
New York	6	10	17	27	34	40	34	33	31	33	34	34	37	43
North Carolina	5	10	12	13	13	13	9	8	7	8	9	9	10	10
North Dakota											[4]1	1	2	3
Ohio			[4]1	6	14	19	21	21	19	20	21	21	21	22
Oklahoma													[4]5	8
Oregon								[4]1	1	1	1	2	2	3
Pennsylvania	8	13	18	23	28	28	24	25	24	27	28	30	32	36
Rhode Island	1	2	2	2	2	2	2	2	2	2	2	2	2	3
South Carolina	5	6	8	9	9	9	7	6	4	5	7	7	7	7
South Dakota											[4]2	2	2	3
Tennessee		[4]1	3	6	9	13	11	10	8	10	10	10	10	10
Texas							[4]2	2	4	6	11	13	16	18
Utah												[4]1	1	2
Vermont		2	4	5	5	5	4	3	3	3	2	2	2	2
Virginia	10	19	22	23	22	21	15	13	11	9	10	10	10	10
Washington											[4]1	2	3	5
West Virginia										3	4	4	5	6
Wisconsin							[4]2	3	6	8	9	10	11	11
Wyoming											[4]1	1	1	1

[1] Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)
[2] Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 353.)
[3] Membership originally fixed at 282 but increased by act of May 30, 1872, to 292. (17 Stat. L., 192.)
[4] Assigned after apportionment.
[5] Included in apportionment act in anticipation of its becoming a State.
[6] Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L., 555.)

Source: Reports of the Bureau of the Census, Department of Commerce.

9. NATIONAL GOVERNMENT FINANCES

General note as to bases used in compiling statistics of receipts and expenditures of the United States Government.—Four different bases are used in compiling both the receipts and expenditures of the Government. These bases, in the case of receipts, are the daily Treasury statements (unrevised and revised), warrants issued, and collections reported. The expenditures of the Government are published on the first three of these bases and also on the basis of checks issued. Figures in the daily Treasury statements (unrevised) which are on a current cash basis are compiled from the latest daily reports from the Treasury offices or public depositories. Owing to the distance of some of these offices and depositories from the Treasury, reports from them are somewhat delayed in reaching the Treasury, and consequently it is necessary to issue the unrevised Treasury statements before they are received. In order to show the actual receipts and expenditures for any month or year, it is necessary to take into account these delayed reports. The figures for actual transactions during a month or year which are calculated by the use of these reports are said to be on a basis of daily Treasury statements (revised). The unrevised figures are the basis of the Budget estimates submitted to Congress by the President.

It is provided by law that warrants shall be issued by the Secretary of the Treasury in acknowledgment of money received, and that warrants must be drawn by the Secretary of the Treasury for all disbursements of money. Some of these warrants for expenditures do not represent actual payments but are merely advances of credit to disbursing officers, who then issue checks in payment of Government obligations. Expenditures on the basis of warrants issued include unexpended balances to the credit of disbursing officers at the end of the year but do not include expenditures made during the year from unexpended balances of the preceding year. For 1923 to 1926, certain receipts credited direct to appropriations were not included in total receipts shown on a warrant basis (though included in cash receipts) but instead operated to reduce expenditures; subsequently they were credited to receipts. Under normal conditions the unexpended balances of disbursing offices vary comparatively little from year to year, and other adjustments are small, but during a war period or a period of postwar adjustments differences in these items may be large and may cause marked discrepancies between figures shown on a cash as compared with a warrant basis. For example, the liquidation of the War Finance Corporation has caused some very large differences between figures of Government expenditures on these bases during the past decade.

Expenditures on the basis of checks issued (Table 187) represent most accurately the actual expenditures during any given year. They differ from expenditures shown by daily Treasury statements (revised), because they include checks outstanding at the end of the year and exclude unpaid checks at the beginning of the year.

All figures for receipts and expenditures include the figures of postal surpluses or deficiencies only and consequently leave out the gross figures of postal revenues and expenditures.

No. 182.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: SUMMARY

NOTE.—Figures are on the "current cash" basis shown by daily Treasury statements, unrevised

[All figures in millions and tenths of millions of dollars]

Year ended June 30—	Ordinary receipts					Expenditures chargeable against ordinary receipts			Surplus (+) or deficit (−)
	Total	Customs	Income and profits tax	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements	
1916	782.5	213.2	124.9	387.8	56.6	734.1	734.1	----------	+48.5
1917	1,124.3	226.0	359.7	449.7	89.0	1,977.7	1,977.7	----------	−853.4
1918	3,664.6	180.0	2,314.0	872.0	298.6	12,697.8	12,695.7	1.7	−9,033.3
1919	5,152.3	184.5	3,018.8	1,296.5	652.5	18,522.9	18,514.9	8.0	−13,370.6
1920	6,694.6	322.9	3,944.9	1,460.1	966.6	6,482.1	6,403.3	78.7	+212.5
1921	5,624.9	308.6	3,266.6	1,390.4	719.9	5,568.2	5,175.9	422.3	+56.7
1922	4,109.1	356.4	2,063.1	1,145.1	539.4	3,705.3	3,372.6	422.7	+313.8
1923	4,007.1	361.9	1,678.6	945.9	820.7	3,697.5	3,294.6	402.9	+309.7
1924	4,012.0	545.6	1,842.1	953.0	671.3	3,703.7	3,043.7	658.0	+308.4
1925	3,780.1	547.6	1,760.5	825.6	645.4	3,529.6	3,063.1	466.5	+250.5
1926	3,962.8	579.4	1,982.9	855.6	545.7	3,585.0	3,097.6	487.4	+377.8
1927	4,129.4	605.5	2,225.0	644.4	654.5	3,493.6	2,971.0	519.6	+635.8
1928	4,042.3	569.0	2,174.9	621.0	678.4	3,643.5	3,103.5	539.3	+398.8
1929	4,033.3	602.5	2,330.7	607.3	493.0	3,848.5	3,298.9	549.6	+184.5
1930	4,177.9	587.0	2,411.0	628.3	551.6	3,994.2	3,440.3	553.9	+183.8

Source: Annual Report of the Secretary of the Treasury.

No. 183.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures are on the basis of warrants issued (net); see general note, p. 171

Yearly average or year ended June 30—	Ordinary receipts	Ordinary expenditures	Public-debt retirements chargeable against ordinary receipts	Surplus (+) or deficit (−), ordinary	Public-debt receipts, proceeds of bonds, and other securities [1]	Public-debt retirements chargeable against public-debt receipts and surplus revenues [1]	Postal revenues, excluding surplus postal receipts covered into the Treasury [2]	Postal expenditures, excluding postal deficiencies [2]
1791–1800	6,765	6,835		−70	2,726	2,394	138	127
1801–1810	13,055	9,080		+3,969	[3] 296	4,261	403	390
1811–1820	21,032	23,942		−2,910	11,095	8,325	862	823
1821–1830	21,923	16,161		+5,762	[3] 1,500	6,780	1,400	1,415
1831–1840	30,460	24,494		+5,966	[3] 2,516	[3] 5,932	3,347	3,272
1841–1850	27,117	32,392		−5,275	[3] 12,559	6,762	4,301	4,359
1851–1860	60,237	60,162		+75	7,306	7,698	6,798	6,947
1861–1865	160,907	683,785		−522,878	776,719	254,387	10,961	10,357
1866–1870	447,300	377,642		+69,658	330,503	377,607	16,422	17,443
1871–1875	336,830	287,459		+49,370	89,352	148,818	23,642	23,661
1876–1880	288,124	255,598		+32,526	227,036	238,662	29,762	29,253
1881	360,782	260,713		+100,069	678	86,111	36,785	35,712
1882	403,525	257,981		+145,544	225	166,505	41,876	40,622
1883	398,288	265,408		+132,879	304,373	438,431	45,509	43,253
1884	348,520	244,126		+104,394	1,405	101,266	43,326	47,253
1885	323,691	260,227		+63,464	58	46,013	42,561	45,509
1886	336,440	242,483		+93,957	40	44,584	43,948	42,823
1887	371,403	267,932		+103,471	41	127,959	48,838	46,481
1888	379,266	267,925		+111,341	49	74,862	52,095	53,412
1889	387,050	299,289		+87,761	24	121,289	56,176	58,476
1890	403,081	318,041		+85,040	22	104,664	60,882	59,408
1891	392,612	365,774		+26,838	14	101,003	65,932	68,341
1892	354,938	345,023		+9,914	15	24,348	70,930	72,990
1893	385,820	383,478		+2,342	23	710	75,897	75,667
1894	306,355	367,525		−61,170	50,014	256	75,080	76,808
1895	324,729	356,195		−31,466	81,165	2,495	76,983	76,197
1896	338,142	352,179		−14,037	131,169	7,294	82,409	81,643
1897	347,722	365,774		−18,052	3	11,379	82,665	82,948
1898	405,321	443,369		−38,047	6	29,942	89,013	87,563
1899	515,961	605,072		−89,112	199,201	14,622	95,021	93,440
1900	567,241	520,861		+46,380	118	22,790	102,355	100,534
1901	587,085	524,617		+63,068	4	36,113	111,631	110,658
1902	562,478	485,234		+77,244	2	56,224	121,848	122,407
1903	561,891	517,006		+44,875	2	16,609	134,224	136,043
1904	541,087	583,660		−42,573	3	18,623	143,583	145,893
1905	544,275	567,279		−23,004	3	605	152,827	152,356
1906	594,984	570,202		+24,782	2	215	167,933	165,802
1907	665,860	579,129		+86,732	30,005	30,373	183,586	182,648
1908	601,862	659,196		−57,334	40,068	34,357	191,479	195,501
1909	604,320	693,744		−89,423	30,000	15,435	203,562	201,541
1910	675,512	693,617		−18,105		761	224,129	221,515
1911	701,833	691,202		+10,631	17,042	246	237,880	237,661
1912	692,609	689,881		+2,728	32,818	121	246,744	246,961
1913	724,111	724,512		−401	1,930	103	266,620	261,082
1914	734,673	735,081		−408	3,119	109	284,135	283,558
1915	697,911	760,687		−62,676	934	48	283,748	291,945
1916	782,535	741,997		+40,538	1,804	36	312,058	300,728
1917	1,124,325	2,086,042		−961,717	2,390,725	636,981	324,526	319,800
1918	4,180,425	13,791,908		−9,611,483	16,964,610	7,685,268	340,345	322,628
1919	4,654,361	18,952,141		−14,297,780	20,055,332	15,813,348	346,333	362,161
1920	6,704,414	6,141,745		+562,669	15,835,274	17,013,020	431,937	418,607
1921	5,584,517	4,468,713	422,562	[4] +693,242	8,824,739	8,721,752	463,491	489,500
1922	4,103,597	3,195,685	422,353	[4] +485,559	5,910,931	6,500,585	484,772	481,316
1923	3,847,046	3,244,717	402,958	[4] +199,371	7,259,181	7,486,748	532,828	524,366
1924	3,884,041	2,946,401	457,894	[4] +479,746	2,178,676	2,814,718	572,949	574,774
1925	3,607,644	[5] 2,464,109	466,538	[4] +676,937	3,047,016	3,351,799	599,391	616,120
1926	3,908,458	3,030,387	487,376	[4] +390,694	2,986,134	3,339,670	659,820	640,286
1927	4,128,423	3,001,837	519,564	[4] +607,022	5,157,255	5,770,467	683,122	687,305
1928	4,038,236	3,071,409	540,246	[4] +426,581	6,830,219	7,193,291	693,634	693,675
1929	4,036,219	3,322,619	549,604	+163,996	5,109,698	5,293,485	696,948	[6] 687,709

[1] Exclusive of the deposits made by banks to retire national bank and Federal reserve notes and of payments made from this fund to retire such notes; these are in the nature of fiduciary transactions. Both columns include redemption-exchange transactions.

[2] Based on reports of the Post Office Department. Expenditures include adjusted losses, etc., postal funds, and expenditures from postal balances; they exclude departmental expenditures in Washington, D. C., to the close of the fiscal year 1922, and amounts transferred to the civil-service retirement and disability fund, fiscal years, 1921 to 1926. In 1927 to 1929 the 3½ per cent salary deductions are included.

[3] Averages are for entire 10-year period though there were no receipts or retirements certain years.

[4] After taking account of public-debt retirement expenditures chargeable against ordinary receipts.

[5] See note 7, Table 185.

[6] Exclusive of items referred to in note 9, Table 189.

Source: Annual Report of the Secretary of the Treasury.

No. 184.—ORDINARY RECEIPTS OF THE GOVERNMENT: BY MAJOR SOURCES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 171

Yearly average or year ended June 30—	Total ordinary receipts	Customs	Internal revenue		Sales of public lands	Surplus postal receipts	Miscellaneous receipts
			Income and profits tax	Miscellaneous			
1791-1800	6,765	5,940	----	444	[1] 10	[1] 36	334
1801-1810	13,055	12,046	----	201	456	[1] 22	329
1811-1820	21,032	16,383	----	1,544	1,623	50	1,429
1821-1830	21,923	19,852	----	31	1,388	([2])	649
1831-1840	30,460	20,470	----	5	7,452	([2])	2,533
1841-1850	27,117	24,366	----	[1] 1	1,980	----	768
1851-1860	60,237	54,498	----	----	4,582	----	1,156
1861-1865	160,907	68,988	[3] 28,006	[1] 27,283	555	----	19,994
1866-1870	447,300	178,903	50,603	171,315	2,109	----	44,368
1871-1875	336,830	186,200	7,760	112,217	2,223	----	28,429
1876-1880	288.124	146,594	([2])	116,697	1,025	----	23,808
1881	360,782	198,160	3	135,261	2,202	----	25,156
1882	403,525	220,411	----	146,498	4,753	----	31,864
1883	398,288	214,706	----	144,720	7,956	----	30,905
1884	348,520	195,067	56	121,530	9,811	----	22,056
1885	323,691	181,472	----	112,499	5,706	----	24,014
1886	336,440	192,905	----	116,806	5,631	----	21,098
1887	371,403	217,287	----	118,823	9,254	----	26,039
1888	379,266	219,091	----	124,297	11,202	----	24,676
1889	387,050	223,833	----	130,882	8,039	----	24,297
1890	403,081	229,669	----	142,607	6,358	----	24,447
1891	302,612	219,522	----	145,687	4,030	----	23,374
1892	354,938	177,453	----	153,971	3,262	----	20,252
1893	385,820	203,355	----	161,028	3,182	----	18,255
1894	306,355	131,819	----	147,111	1,674	----	25,752
1895	324,729	152,159	77	143,345	1,103	----	28,046
1896	338,142	160,022	----	146,763	1,006	----	30,352
1897	347,722	176,554	----	146,089	805	----	23,614
1898	405,321	149,575	----	170,901	1,243	----	83,603
1899	515,961	206,128	----	273,437	1,678	----	34,717
1900	567,241	233,165	----	295,328	2,837	----	35,911
1901	587,685	238,585	----	307,181	2,965	----	38,954
1902	562,478	254,445	----	271,880	4,144	----	32,009
1903	561,881	284,480	----	230,810	8,926	----	37,665
1904	541,087	261,275	----	232,904	7,453	----	39,455
1905	544,275	261,799	----	234,096	4,859	----	43,521
1906	594,984	300,252	----	249,150	4,880	----	40,703
1907	665,860	332,233	----	269,667	7,879	----	56,081
1908	601,862	286,113	----	251,711	9,732	----	54,306
1909	604,320	300,712	----	246,213	7,701	----	49,695
1910	675,512	333,083	20,952	268,982	6,356	----	45,539
1911	701,833	314,497	33,517	280,012	5,732	----	59,075
1912	692,609	311,322	28,583	293,029	5,393	----	54,283
1913	724,111	318,891	35,006	309,411	2,910	----	57,893
1914	734,673	292,320	71,381	308,660	2,572	3,800	55,940
1915	697,911	209,787	80,202	335,468	2,167	3,500	66,787
1916	782,535	213,186	124,937	387,765	1,888	----	54,759
1917	1,124,325	225,962	350,681	449,635	1,893	5,200	81,903
1918	4,180,425	182,750	2,839,000	857,044	1,969	[4] 48,631	[4] 251,023
1919	4,654,381	183,429	2,600,763	1,239,408	1,405	[4] 80,906	[4] 539,411
1920	6,704,414	323,537	3,956,936	1,442,213	1,910	[4] 5,213	[4] 974,605
1921	5,584,517	308,025	3,228,138	1,351,836	1,530	----	694,988
1922	4,103,597	357,545	2,086,918	1,121,240	895	81	536,917
1923	3,847,040	562,189	1,691,090	935,700	657	----	657,411
1924	3,884,041	545,012	1,841,759	952,531	522	----	544,217
1925	3,607,644	548,522	1,761,669	827,787	624	----	469,053
1926	3,908,458	579,717	1,974,104	862,668	754	----	491,215
1927	4,128,423	605,672	2,219,052	648,732	621	----	653,444
1928	4,038,236	568,157	2,174,573	617,620	385	----	677,501
1929	4,036,219	602,820	2,331,274	608,770	315	----	493,040

[1] Averages are for entire 10-year period though there were no receipts under these items certain years.
[2] Less than $500.
[3] Average for 1863 to 1865.
[4] Estimated increased postage under act of Oct. 3, 1917, included in "Surplus postal receipts."

Source: Annual Report of the Secretary of the Treasury.

No. 185.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 171

Yearly average or year ended June 30—	Total ordinary expenditures	Civil and miscellaneous [1]	War Department [1]	Navy Department [1]	Indians	Pensions [2]	U. S. Veterans' Bureau [3]	Postal deficiencies [4]	Interest on the public debt
1791–1800	6,835	980	1,732	[5] 882	31	97	----------	----------	3,111
1801–1810	9,086	1,870	1,632	1,636	164	78	----------	----------	3,703
1811–1820	23,942	2,589	10,742	4,675	317	741	----------	----------	4,877
1821–1830	16,161	3,144	3,918	3,295	599	1,247	----------	----------	3,950
1831–1840	24,494	5,616	8,321	5,041	2,612	2,572	----------	----------	[5] 331
1841–1850	32,392	7,452	12,815	7,237	1,384	1,700	----------	[5] 185	1,615
1851–1860	60,162	21,233	15,784	11,996	3,266	1,531	----------	3,574	2,776
1861–1865	683,785	25,804	547,752	65,329	3,203	4,858	----------	2,146	34,600
1866–1870	377,542	54,524	127,815	28,382	4,488	23,428	----------	[5] 3,562	135,440
1871–1875	287,459	69,152	40,186	23,328	7,504	30,166	----------	5,544	111,580
1876–1880	255,598	56,819	37,170	15,990	5,405	35,051	----------	4,972	100,191
1881	260,713	61,582	40,466	15,687	6,514	50,059	----------	3,896	82,509
1882	257,981	57,220	43,570	15,032	9,737	61,345	----------	----------	71,077
1883	265,408	68,604	46,911	15,283	7,363	66,013	----------	75	59,100
1884	244,126	70,920	39,430	17,293	6,476	55,429	----------	----------	54,578
1885	260,227	82,953	42,671	16,021	6,552	56,102	----------	4,542	51,385
1886	242,483	65,973	34,324	13,908	6,099	63,405	----------	8,194	50,580
1887	267,982	78,764	38,561	15,141	6,195	75,029	----------	6,501	47,742
1888	267,925	78,167	38,522	16,926	6,249	80,289	----------	3,056	44,715
1889	296,289	94,088	44,435	21,379	6,892	87,625	----------	3,869	41,001
1890	318,041	94,832	44,583	22,006	6,708	106,937	----------	6,875	36,099
1891	365,774	115,708	48,720	26,114	8,527	124,416	----------	4,742	37,547
1892	345,023	95,790	46,895	29,174	11,151	134,583	----------	4,051	23,378
1893	383,478	97,786	49,642	30,136	13,345	159,358	----------	5,947	27,264
1894	367,525	93,694	54,568	31,701	10,293	141,177	----------	8,250	27,841
1895	356,105	82,263	51,805	28,708	9,940	141,395	----------	11,017	30,978
1896	352,179	77,916	50,831	27,148	12,166	139,434	----------	9,300	35,385
1897	365,774	79,252	48,950	34,552	13,017	141,053	----------	11,149	37,791
1898	443,369	85,016	91,992	58,824	10,995	147,452	----------	10,504	37,585
1899	605,072	110,980	229,841	63,942	12,806	139,395	----------	8,212	39,997
1900	520,861	131,689	134,775	55,953	10,175	140,877	----------	7,231	40,160
1901	524,617	131,977	141,616	60,507	10,896	139,324	----------	4,955	32,343
1902	485,234	125,111	112,272	67,803	10,050	138,489	----------	2,402	29,108
1903	517,006	133,073	118,630	82,618	12,935	138,426	----------	2,709	28,556
1904	583,660	131,357	165,200	102,956	10,438	142,559	----------	6,503	24,646
1905	567,279	127,968	126,094	117,550	14,236	141,774	----------	15,065	24,591
1906	570,202	134,639	137,326	110,474	12,747	141,035	----------	12,673	24,309
1907	579,129	145,642	149,775	97,128	15,164	139,310	----------	7,629	24,481
1908	659,196	162,532	175,840	118,037	14,530	153,892	----------	12,888	21,426
1909	693,744	167,001	192,487	115,546	15,695	161,710	----------	10,501	21,804
1910	693,617	171,581	189,823	123,174	18,504	160,696	----------	8,496	21,343
1911	691,202	173,830	197,199	119,938	20,934	157,981	----------	----------	21,311
1912	689,881	172,257	184,123	135,502	20,135	153,300	----------	1,568	22,616
1913	724,512	169,802	202,129	133,263	20,306	175,085	----------	1,027	22,899
1914	735,081	170,530	208,350	139,082	20,215	173,440	----------	----------	22,864
1915	760,587	200,583	202,160	141,886	22,130	164,388	----------	6,637	22,903
1916	741,997	199,555	182,139	155,029	17,570	159,302	----------	5,500	22,900
1917	2,086,042	1,150,351	459,540	257,166	30,568	160,318	3,326	----------	24,742
1918	13,791,908	6,237,492	6,705,136	1,368,643	30,888	181,138	68,803	2,221	197,527
1919	18,952,141	9,701,180	9,265,325	2,009,272	34,593	221,615	103,945	344	615,867
1920	6,141,745	[6] 2,980,703	1,100,866	629,893	40,517	213,344	107,585	[6] 35,813	1,024,024
1921	4,468,713	[6] 1,452,985	580,795	647,871	41,471	260,611	356,801	[6] 131,502	996,677
1922	3,195,085	[6] 660,823	402,058	458,795	38,500	252,577	329,092	[6] 64,353	989,485
1923	3,244,717	806,699	355,723	322,533	45,143	254,148	362,856	32,527	1,055,088
1924	2,946,411	650,336	348,606	324,130	40,754	228,262	306,934	12,639	953,741
1925	[7] 2,464,169	[7] 134,276	357,957	326,365	38,755	218,321	483,261	23,217	882,015
1926	3,030,387	749,358	358,329	311,612	48,442	207,190	484,481	39,506	831,469
1927	3,001,837	742,531	361,987	322,621	36,792	230,556	492,293	27,263	787,794
1928	3,071,409	828,180	400,345	337,608	36,991	229,401	474,953	32,080	731,850
1929	3,322,619	992,341	427,230	364,807	34,087	229,781	500,694	[8] 94,700	678,980

[1] Up to 1920, inclusive, civil expenditures under War and Navy Departments at Washington are included under the column Civil and Miscellaneous; thereafter under War and Navy Departments, respectively. Civil and miscellaneous expenditures, beginning 1917, have been revised to exclude expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. War Department expenditures include those for rivers and harbors and the Panama Canal.

[2] Includes only Army and Navy pensions for service prior to World War and fees of examining surgeons. Does not include salaries under Bureau of Pensions or payments to veterans of the World War, which are made by Veterans' Bureau (see next column).

[3] Prior to 1922 data represent expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. They are exclusive of operations in Government life insurance trust funds and special funds.

[4] Exclusive of amounts transferred to the civil service retirement and disability fund.

[5] Averages are for entire 10-year period, though there were no expenditures in certain years.

[6] Additional compensation, Postal Service (resolution of Nov. 8, 1919), included in "Postal deficiencies."

[7] The liquidation of the War Finance Corporation and the repayment of loans by the railroads very much affected the total civil and miscellaneous expenditures in 1925.

[8] Includes $9,000,000 back railway mail pay; excludes, however, the $42,997,000 shown on p. 179.

Source: Annual Report of the Secretary of the Treasury.

No. 186.—RECEIPTS OF THE GOVERNMENT: BY SOURCES

NOTE.—Data are for years ended June 30 and are on the basis of warrants issued. (See general note p. 171)

[All figures in thousands of dollars]

	1928	1929
ORDINARY RECEIPTS		
Revenue receipts:		
Customs	568,157	602,820
Duties	566,215	600,811
Tonnage tax	1,942	2,009
Internal revenue	2,792,193	2,940,044
Income tax	2,174,573	2,331,274
Miscellaneous taxes	610,777	608,135
Collections under enforcement of national prohibition act	[1] 843	[1] 635
Miscellaneous taxes—		
Federal reserve bank franchise tax and net earnings from Federal intermediate credit banks	618	2,843
Immigration head tax	3,263	2,885
Tax on circulation of national banks	3,234	3,240
Taxes, licenses, fines, etc., Canal Zone	[2] 233	92
Interest, exchange, and dividends on capital stock [3]—		
Interest on advance payments to contractors	138	83
Interest on deferred collections or payments	40	93
Interest on bonds of foreign governments under funding agreements	139,944	139,974
Interest on unfunded obligations of foreign governments	21,141	20,367
Interest on public deposits	4,851	3,411
Interest on miscellaneous obligations	1,006	2,306
Interest on bonds of Boston, Cape Cod & New York Canal Co., withheld from purchase price of Cape Cod Canal	74	----------
Dividends, Panama R. R.	700	700
Dividends, Hoboken & Manufacturers R. R. Co	982	----------
Gain by exchange	7	1
Federal control of transportation systems [4]	2,548	65
Loans to railroads after termination of Federal control [4]	7,889	3,085
Military and naval insurance, Veterans' Bureau, 1929 and prior years [4]	775	485
Fines and penalties—		
Judicial	[5] 2,187	526
Customs Service	[5] 2,563	2,183
Immigration Service	208	166
ORDINARY RECEIPTS—contd.		
Revenue receipts—Contd.		
Fines and penalties—Contd.		
Under enforcement of national prohibition act (judicial)	[6] 3,847	[6] 4,354
Recovery of value of oil in case of U. S. against the Pan American Petroleum Co., and the Pan American Petroleum & Transport Co	13,013	4
Navy fines and forfeitures	860	675
Other	59	54
Fees—		
Alaska game laws	28	26
Board of Tax Appeals	101	59
Clerks, U. S. courts	1,533	1,547
Commissions on telephone pay stations, Federal buildings and rented post offices	56	57
Consular and passport	8,291	7,052
Copying	33	42
Copyright	192	309
Indian lands and timber	85	275
Fees and commissions, Land Office	464	461
Marshals, U. S. courts	212	192
Naturalization	979	907
Navigation	266	249
On letters patent	3,683	3,697
Testing	72	77
Other	28	42
Forfeitures—		
Bonds of aliens, contractors, etc	261	514
Bribes to United States officers	27	21
Customs Service	(7)	174
Judicial	(7)	188
Under enforcement of national prohibition act	[6] 115	[6] 280
Unclaimed moneys and wages remaining in registry of courts	251	176
Other	11	67
Assessments—		
On Federal reserve banks for salaries, etc., Federal Reserve Board	1,899	2,895
On Federal intermediate credit and Federal and joint-stock land banks for salaries, etc., Federal Farm Loan Board	723	880
Salaries and expenses national-bank examiners	2,602	1,874

[1] Additional collections under the national prohibition act are included under "Fines and penalties" and "Forfeitures", making total collections under the enforcement of this act of $4,805,000 in 1925 and $5,269,000 in 1929.

[2] Includes postal receipts, Panama Canal, for 1928.

[3] On Apr. 5, 1928, $65,343,000 was transferred from the checking account of the War Finance Corporation on the books of the Treasurer of the United States to the warrant account, $990,000 of which was covered into the Treasury as a repayment to the appropriation "Subscriptions to capital stock, War Finance Corporation" and the remainder, $64,353,000, as "Miscellaneous receipts, earnings of War Finance Corporation." As this was merely a bookkeeping adjustment between accounts of cash transactions occurring in prior years, the items have not been included in either receipts or expenditures.

[4] Repayments to appropriations, representing cash receipts credited to appropriations.

[5] Includes forfeitures.

[6] See note 1.

[7] Included with fines and penalties for this item.

No. 186.—Receipts of the Government: By Sources—Continued

[All figures in thousands of dollars]

	1928	1929
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Assessments—Continued.		
General railroad contingent fund	1,180	978
Austrian, German, and Hungarian Governments' moiety, expenses, mixed and Tripartite Claims Commission	14	18
Deposits for establishing wool standards		50
Naval hospital funds	499	491
Deposits by individuals for expenses of surveying public lands	11	25
Other	[5]	10
Reimbursements—		
Construction charges (Indian Service)	33	54
Coos Bay wagon road grant fund [9]		1,049
Under grain and cotton standard acts	185	151
Maintenance of District of Columbia inmates in Federal penal and correctional institutions	161	182
Electric light charges by Potomac Electric Power Co		55
Expenses of redeeming national currency	524	518
Inspection of food and farm products	234	243
Deductions from awards of Mixed Claims Commission, United States and Germany [10]	47	380
Government property lost or damaged	99	99
Hospitalization charges and expenses	162	158
Expense of international service of ice observation and patrol	148	136
Cost from estates of deceased Indians	52	58
Maintenance charges, irrigation systems, Indian Service	804	470
Appropriations made for Indian tribes	345	115
Settlement of claims against various depositors	1,079	502
Reclamation fund [4]	5,899	6,532
Army account of advances [4]	655	
General account of advances [4]	462	
Other	82	114
Gifts and contributions—		
Forest Service cooperative work	1,551	1,830
Library of Congress, gift fund [11]	123	181
Donations, National Park Service	51	31
Pan American Union quotas	139	88

	1928	1929
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Gifts and contributions—Con.		
For river and harbor improvements—		
Advance of funds	174	
Contributions	2,897	492
For roads, bridges, and related works, Alaska	213	211
For memorial to women of World War	5	211
Other	17	59
Sales of property (products)—		
Scrap and salvaged materials, condemned stores, waste paper, etc	2,819	2,522
Agricultural products	63	70
Card indexes, Library of Congress	195	194
Public documents, charts, maps, etc	391	294
Electric current	[12] 1,216	[12] 251
Seal and fox skins, and furs	331	370
Occupational therapy products	1	65
Subsistence (meals, etc.)	18	20
Water	[13]	48
Other	13	10
Sales of services—		
Fumigating and disinfecting (Dept. of Agriculture)	53	70
Laundry and dry-cleaning	1,277	1,250
Overhead charges on sales of services or supplies (War and Navy)	101	101
Operation of properties, U. S. Housing Corp	399	208
Quarantine charges (fumigation, inspection, etc., of vessels, Public Health Service)	537	560
Quarters, subsistence, and laundry service	79	81
Radio service	123	101
Storage and other charges	110	344
Profits from sale of ships' stores, Navy	208	333
Telephone and telegraph services	3	34
Tolls and profits, Panama Canal	27,774	27,736
Work done for individuals, corporations, et al	123	71
Other	22	81
Rents and royalties—		
Rent of public buildings and grounds	1,091	530
Rentals, Center Market, Washington, D. C	143	143
Leases, Annette Islands reserve, Alaska	4	25
Rent of land	3	206
Receipts under mineral leasing acts	4,674	3,706
Royalties on oil, gas, etc	4,961	2,540
Rent of telegraph and telephone facilities (U. S. lines)	209	314
Other	39	117

[4] Repayments to appropriations, representing cash receipts credited to appropriations.
[5] Less than $500.
[9] Fund to cover payments to certain counties of Oregon of unpaid taxes to Southern Oregon Co.
[10] Deductions to cover reimbursement for expenses incurred by United States in the adjudication of claims, settlement of war claims act of 1928.
[11] For contributions to Library of Congress trust fund, investment account, see p. 177.
[12] Includes $1,212,000 in 1928 and $185,000 in 1929 for Dam No. 2, Muscle Shoals, Ala.
[13] Included under sales of Government property in 1928.

No. 186.—Receipts of the Government: By Sources—Continued

[All figures in thousands of dollars]

	1928	1929
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Permits, privileges, and licenses—		
Alaska fund	154	251
Business concessions	[14] 1	253
Immigration permits	394	304
Licenses under Federal water power act	307	347
Permits to enter national parks	[15] 800	533
Pipe-line, water and power transmission rights	43	12
Other	19	13
Mint receipts—profits on coinage, bullion deposits, etc.	6,236	5,373
Forest reserve fund	5,564	6,312
Postal receipts, Panama Canal	[16]	151
Unclassified repayments to appropriations	[17] 688	
Nonrevenue receipts:		
Army costs due U. S. from Germany, Paris agreement of Jan. 14, 1925	13,638	13,498
Repayment of investments—		
Federal control of transportation systems [4]	77,255	37
Loans to railroads after termination of Federal control, etc.[4]	77,119	11,877
Construction loan fund, U. S. Shipping Board [4]	203	1,306
Deposits for construction loans under merchant marine act, 1920	[18] 5,303	3,267
Return of advances made to reclamation fund	1,000	1,000
Reimbursement on account of representation of interests of foreign governments growing out of hostilities in Europe	81	158
Liquidation of capital stock, Fed. land banks	286	173
Principal of bonds of foreign governments under funding agreements	36,144	38,788
Principal of unfunded loans made to foreign governments	11,697	3
Principal of Government-owned securities (sale of war supplies)	211	304
Construction costs of public works in Colon and Panama	[19] 127	98
Capital stock of Hoboken & Manufacturers R. R. Co. owned by U. S	425	
Funds deposited for final liquidation of U. S. Grain Corporation	115	
Other	13	14

	1928	1929
ORDINARY RECEIPTS—contd.		
Nonrevenue receipts—Contd.		
Sale of public lands	385	315
Sale of property—		
Capital equipment—trucks, horses, cars, machinery, furniture, etc.	[20]	1,110
Land and buildings	1,359	2,861
Land, etc., on account of naval public works construction fund		20
Land, etc., on account of military post construction fund	2,897	2,741
Office material, etc. (General Supply Committee)	38	18
War supplies	2,780	2,584
Cleveland (Ohio) Marine Hospital (new)[4]	813	
Coos Bay wagon road grant fund	93	170
The Oregon and California land grant fund	491	752
Sale of ordnance material	77	93
Other		7
Trust funds—		
Contributions to Library of Congress trust fund, investment account	128	2
Government life insurance fund	81,810	79,933
Foreign service retirement and disability fund	11	8
Pay of the Army deposit fund	1,563	1,552
Soldiers' Home permanent fund	714	832
Indian moneys—		
Proceeds of labor	2,933	2,889
Oil and gas leases, etc., Osage Reservation, Okla.	11,954	9,604
Kiowa, Comanche, and Apache Indians, Okla., moneys due for oil and gas, act Mar. 4, 1923	112	70
Sales and leases of Indian lands, etc.	1,408	1,351
Miscellaneous trust funds	436	403
District of Columbia—		
Revenue receipts—		
Dist. of Col. share, excl. trust funds	30,239	31,460
United States share	124	52
Nonrevenue receipts—		
Dist. of Col. share	14	1
Dist. of Col. trust funds	2,475	2,080
Grand total, all items	4,038,235	4,036,218
Increase in uncovered moneys	[8]	1
Total ordinary receipts	4,038,236	4,036,219

[4] Repayments to appropriations, representing cash receipts credited to appropriations.
[8] Less than $500.
[14] Exclusive of National Park Service included below under "Permits to enter national parks."
[15] Includes all national park revenues for 1928.
[16] Included under "Taxes, licenses, fines, etc., Canal Zone," p. 175 for 1928.
[17] Represents cash receipts credited to appropriations.
[18] Exclusive of $14,263,000 transferred from the checking account of the U. S. Shipping Board on the books of the Treasurer of the United States to the warrant account and covered into the Treasury by miscellaneous receipt covering warrant. As this was merely an adjustment between accounts of cash transactions occurring in prior years, this item has not been included in either receipts or expenditures.
[19] Includes principal and interest for 1928.
[20] Separate figures not available for 1928.

Source: Annual Report of the Secretary of the Treasury.

No. 187.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF

NOTE.—Data are for years ended June 30 and are on the basis of checks issued. (See general note, p. 171)

[All figures in thousands of dollars]

	1928	1929
GENERAL EXPENDITURES		
Legislative establishment	16,423	17,866
United States Senate	3,000	2,951
House of Representatives	7,691	7,883
Legislative, miscellaneous	79	414
Architect of the Capitol	1,162	1,285
Botanic Garden	120	244
Library of Congress	1,718	2,009
Government Printing Office	2,637	3,089
Executive Office: Salaries and expenses	585	499
Department of State	11,560	13,958
Department of State proper	1,307	1,579
Foreign intercourse	[1] 10,224	[1] 11,742
Special deposit accounts	[2] 31	[2] 38
Treasury Department[3]	199,272	199,502
Office of the Secretary	158	169
Office of the chief clerk and superintendent	591	692
Division of supply[4]	1,519	1,428
Office of commissioner of accounts and deposits	80	87
Division of bookkeeping and warrants	642	764
Public debt service	5,347	4,611
World War Foreign Debt Commission	4	
Division of appointments	59	62
Office of disbursing clerk	51	56
Customs Service[5]—		
Collecting the revenue	17,769	20,754
Miscellaneous expenses	239	423
Bureau of the Budget	161	182
Federal Farm Loan Bureau	733	906
Office of Treasurer of the United States	1,523	1,638
Office of Comptroller of the Currency	2,639	2,710
Internal Revenue Service[3]—		
Collecting the revenue	34,482	33,026
Bureau of Prohibition—Enforcement of narcotics and prohibition acts	13,510	13,314
Coast Guard	27,334	28,245
Bureau of Engraving and Printing—		
Administrative salaries	464	574
Compensation of employees	3,573	3,422
Materials and miscellaneous expenses	848	1,054
Plate printing	1,858	1,627
Secret Service	496	534
Public Health Service—		
Administrative salaries and miscellaneous items	1,580	1,072
Pay of commissioned officers, pharmacists, acting assistant surgeons, and other employees	2,499	2,589
Pay of personnel and maintenance of hospitals	5,440	5,508
Mints and assay offices	1,590	1,570
Public buildings—		
Salaries, Office of Supervising Architect	348	365
Operating expenses	10,440	11,536
Repairs, equipment, and general expenses	3,257	3,550

	1928	1929
GENERAL EXPENDITURES—con.		
Treasury Department—Con.		
Public buildings—Continued.		
Public buildings, sites, construction, and rent	6,031	20,[illegible]
Quarantine stations	103	[illegible]
Inspection stations		[illegible]
Hospitals	567	[illegible]
American Printing House for the Blind	75	[illegible]
Judgments, U. S. courts	89	1,0[illegible]
Miscellaneous	[2] 208	[2] 859
Special deposit accounts	2,105	501
Premium on public debt	1,267	1,2[illegible]
Subscription to capital stock of Federal intermediate credit banks		5,000
Payment of Cape Cod Canal bonds		6,181
Purchase of obligations of foreign governments		12,197
Payment into German Special Deposit Account[6]	50,000	
War Department exclusive of Panama Canal	387,649	413,967
Military activities[7]	294,678	312,139
Office of the Secretary	952	89[illegible]
General Staff Corps	238	[illegible]
Adjutant General's Dept.	1,592	1,715
Inspector General's Dept.	25	27
Judge Advocate General's Department	83	22[illegible]
Army account of advances	[2] 1,731	81
Finance Department—		
Pay of the Army	129,189	128,378
Mileage of the Army	751	746
Finance service	1,036	1,035
Judgments, U. S. courts and Court of Claims[7]	2,517	2,412
Miscellaneous items	725	835
Quartermaster Corps—		
Army transportation	15,166	16,642
Barracks and quarters, other buildings and utilities[8]	4,694	11,433
Clothing and equipage	6,158	6,650
Construction of buildings, utilities, etc., at military posts	3,895	7,620
Construction and repair of hospitals	2,452	1,054
Incidental expenses of the Army	3,576	3,859
Regular supplies of the Army	11,944	10,75[illegible]
Roads, walks, wharves, and drainage	961	[9] 184
Subsistence of the Army	24,297	24,050
Water and sewers at military posts	2,675	[9] 635
Miscellaneous items	1,923	3,727
Signal Corps	2,317	2,431
Air service	19,640	23,491
Medical Department	1,394	1,355
Bureau of Insular Affairs	88	81
Corps of Engineers	966	996
Fortifications, etc., Panama Canal	1,166	944
Ordnance Department—		
Ordnance service	1,020	1,037
Ordnance stores and supplies	558	558

[1] Exclusive of investments of trust funds, see p. 181.
[2] Excess credits, deduct.
[3] Exclusive of refunds, debentures, drawbacks, etc., shown under "Refunds of receipts," p. 181.
[4] Includes General Supply Committee.
[5] Represents payment of amount appropriated for claims of German nationals against the United States (awards and expenses of administration, War Claims Arbiter) under settlement of war claims act of 1928.
[6] For "Pay of the Army, deposit fund," see under trust funds, nonmilitary.
[7] Heretofore under nonmilitary.
[8] For 1928, barracks and quarters only; for 1929, includes expenditures formerly carried under "Water and sewers at military posts" and "Roads, walks, wharves, and drainage."
[9] Prior year expenditures; expenditures for 1929 included under "Barracks and quarters, etc."

No. 187.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1928	1929
GENERAL EXPENDITURES—continued		
War Department—Continued.		
Military activities—Contd.		
Ordnance Department—Continued.		
Ammunitions	2,511	3,333
Automatic rifles and manufacture of arms	804	496
Arsenals	770	1,395
Field artillery armament	1,779	2,191
Miscellaneous items	[2] *107*	3,094
Chemical Warfare Service	1,272	1,279
Chief of Infantry	53	62
Chief of Cavalry	16	20
Chief of Field Artillery	24	23
Chief of Coast Artillery	349	461
Military Academy	3,097	2,516
Militia Bureau	32,512	33,160
Organized Reserves and military training of citizens	10,394	10,572
National Board for Promotion of Rifle Practice	305	734
Special deposit accounts	591	[2] *1,853*
Nonmilitary activities	92,971	101,851
Finance service	5	5
National cemeteries	1,274	1,196
National military parks	243	302
Signal Corps	160	184
Medical Department	73	53
Miscellaneous items under Corps of Engineers	1,184	1,614
Rivers and harbors—		
Improving rivers	73,888	81,955
Improving harbors	531	200
Special funds	3,033	1,229
Special deposit accounts	77	5
Inland Waterways Corp	1,000	2,500
National homes for disabled volunteer soldiers	8,344	9,559
War claims and relief acts [10]	265	979
Trust funds—		
Army allotments (transfer to *Veterans' Bureau*)	[2] *16*	[2] *6*
Pay of the Army, deposit fund, trust fund [11]	1,222	1,419
Estates of deceased soldiers, U. S. Army, and cadets, U. S. Military Academy	20	26
Miscellaneous	108	111
Department of Justice	27,691	29,349
Department of Justice proper—		
Salaries and expenses	1,960	2,420
Detection and prosecution of crimes	2,237	2,243
Judicial—		
Courts, salaries and expenses	13,081	13,923
Fees of jurors and witnesses	3,569	3,611
Penal institutions	6,851	7,083
Miscellaneous	4	7
Special deposit accounts	[2] *111*	62
Post Office Department [12]	62	43,048
Additional compensation for transportation of mail by railroad routes		[13] 42,997
Private acts, etc	62	51

	1928	1929
GENERAL EXPENDITURES—continued		
Navy Department	332,262	338,184
Office of the Secretary—		
Pay, miscellaneous	1,311	1,461
Other items	1,471	1,416
Office of Naval Records and Library	37	39
Office of Judge Advocate General	106	124
Office of Chief of Naval Operations	246	263
Bureau of Navigation—		
Organizing the Naval Reserve	3,704	3,816
Transportation [14]	548	8
Other items	3,682	3,567
Bureau of Engineering	19,909	19,994
Bureau of Construction and Repair	22,273	27,705
Bureau of Ordnance	12,162	12,652
Bureau of Supplies and Accounts—		
Pay and provisions, Navy [14]	3,496	[2] 77
Fuel and transportation	10,823	9,634
Pay, subsistence, and transportation, Navy	141,173	148,303
Maintenance	9,657	9,570
Naval supply account fund	[2] *3,113*	[2] *636*
Clothing and small stores, special fund	[2] *1,710*	[2] *218*
Other items	1,256	1,224
Bureau of Medicine and Surgery	4,365	3,509
Bureau of Yards and Docks	12,103	15,137
Bureau of Aeronautics	22,197	28,373
Naval Academy	1,849	1,925
Marine Corps—		
Pay	15,337	15,584
General expenses	12,403	10,621
Other items	486	233
Increase of Navy	36,152	40,475
General account of advances	[2] *1,628*	96
Miscellaneous	1,819	5,503
Special deposit accounts	[2] *29*	[2] *19*
Department of the Interior	299,684	300,949
Interior, civil	260,954	263,709
Office of the Secretary	940	960
General Land Office	6,197	5,503
Bureau of Pensions —[15]		
Salaries and expenses	1,365	1,453
Army pensions	218,300	218,567
Navy pensions	10,397	10,982
Fees of examining surgeons	496	452
Bureau of Reclamation	9,501	10,583
Geological Survey	1,705	2,140
National parks	5,217	6,325
Bureau of Education	1,002	1,000
College for agriculture and mechanic arts	2,550	2,550
Territorial governments	198	287
Beneficiaries	1,807	1,599
Alaska Railroad	1,322	1,125
Miscellaneous	8	45
Special deposit accounts	[2] *50*	129

[2] Excess credits, deduct.
[10] Exclusive of "Judgments, U. S. Courts, etc.," which are stated under military.
[11] *Heretofore stated under military.*
[12] For deficiency in postal revenues, see p. 181.
[13] Represents so-called back railway mail pay in accordance with rates fixed by the Interstate Commerce Commission. An additional sum of $9,000,000 is also included under "Postal deficiency," p. 181.
[14] Expenditures for prior years; provided for under "Pay, subsistence, etc., Navy," beginning 1928.
[15] For civil service retirement and disability fund, see p. 181.

No. 187.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1928	1929
GENERAL EXPENDITURES—CON.		
Dept. of the Interior—Contd.		
Bureau of Indian Affairs	38,729	37,243
Salaries, general expenses	1,481	1,407
Expenses of Indian Commissioners	10	12
Education	6,141	7,434
General support and civilization	911	900
Interest on Indian trust funds	762	857
Trust funds	19,625	15,743
Fulfilling treaty	856	922
Miscellaneous expenses	7,368	7,006
Special deposit accounts	1,575	2,962
Department of Agriculture	161,752	171,674
Office of the Secretary	1,250	1,178
Office of Information	1,194	1,068
Library	90	96
Office of Experiment Stations	3,729	4,237
Extension service	1,073	1,048
Weather Bureau	2,791	2,936
Bureau of Animal Industry	8,117	8,339
Meat Inspection, Bureau of Animal Industry	5,427	5,561
Bureau of Dairy Industry	527	544
Bureau of Plant Industry	4,108	4,660
Forest Service	10,495	11,619
Lands for protection of watersheds and streams	1,933	1,147
Bureau of Chemistry and Soils	1,279	1,353
Bureau of Entomology	2,087	2,355
Bureau of Biological Survey	1,231	1,338
Bureau of Public Roads	483	419
Road construction	90,440	95,081
Bureau of Agricultural Economics	5,313	5,699
Bureau of Home Economics	127	146
Plant Quarantine and Control Administration [16]	1,025	3,539
Food, Drug, and Insecticide Administration	1,311	1,537
Cooperative agricultural extension work	5,878	7,151
Loans to farmers in storm and flood-stricken areas, Southeastern States	----------	5,605
Miscellaneous	680	440
Special funds—		
Cooperative work, Forest Service	1,508	1,815
Payments to States and Territories from national forests fund	1,285	1,351
Other special funds	770	522
Special deposit accounts	(17)	[2] 8
Department of Commerce	34,325	40,511
Office of the Secretary	2,608	2,736
Aircraft in commerce	2,497	4,945
Bureau of Foreign and Domestic Commerce	3,662	4,264
Bureau of the Census	2,093	2,173
Steamboat Inspection Service	1,053	1,150
Bureau of Navigation	308	333
Bureau of Standards	2,216	2,490
Bureau of Lighthouses	10,406	11,058
Coast and Geodetic Survey	2,228	2,552
Bureau of Fisheries	1,922	2,043
Patent Office	2,766	3,280
Bureau of Mines	2,491	3,400
Miscellaneous	11	47
Special deposit accounts	64	38

	1928	1929
GENERAL EXPENDITURES—CON.		
Department of Labor	9,830	11,352
Office of the Secretary	712	754
Bureau of Labor Statistics	297	354
Bureau of Immigration	6,449	7,594
Bureau of Naturalization	737	849
Children's Bureau	1,208	1,522
Women's Bureau	99	105
Employment service	195	205
Miscellaneous	9	13
Special deposit accounts	34	[2] 45
U. S. Veterans' Bureau [18]	405,040	418,535
Salaries and expenses	37,822	40,055
Adjusted service and dependent pay	10,150	6,456
Medical and hospital service	28,553	29,345
Hospital facilities and services, Veterans' Bureau	5,222	4,044
Military and naval comp	181,738	189,001
Military and naval insurance (appropriated fund)	117,449	115,694
Vocational rehabilitation	254	8
Miscellaneous items	129	187
Military and naval insurance, special fund	3,333	5,675
Miscellaneous special funds	----------	2
Gov't life insurance fund (trust fund)—Expenses [18]	20,669	28,047
Special deposit accounts	[2] 279	[2] 579
Other independent bureaus and offices [19]	35,476	40,506
Alaska relief funds	19	13
Alien Property Custodian [19]	35	2
American Battle Monuments Commission	117	772
Arlington Memorial Bridge Commission	2,266	2,389
Board of Mediation	276	243
Board of Tax Appeals	664	699
Board of Efficiency	216	215
Civil Service Commission	1,151	1,245
Commission of Fine Arts	7	8
Employees' Comp. Com'n	3,643	4,050
Federal Board for Vocational Education	7,611	7,763
Federal Oil Conservation Board	8	10
Federal Power Commission	48	132
Federal Radio Commission	54	267
Federal Reserve Board	2,051	2,905
Federal Trade Commission	984	1,167
General Accounting Office	3,953	4,131
Housing Corporation	477	477
Interstate Commerce Com'n	[20] 7,148	[20] 7,833
Misel. commissions, etc	157	409
National Advisory Committee for Aeronautics	536	607
National Sesquicentennial Exhibition Commission	22	----------
Office of Public Buildings and Public Parks of the National Capital	2,446	2,936
Personnel Classification Bd	----------	73
Porto Rican Hurricane Relief Commission	----------	266
Smithsonian Institution and National Musoum	937	1,148
U. S. Geographic Board	4	4
U. S. Tariff Commission	646	762
District of Columbia	39,487	39,718
Unclassified items	688	----------
Total general expenditures	1,961,625	2,107,010

[2] Excess credits, deduct. [16] Heretofore "Federal Horticultural Board." [17] Less than $500.
[18] For adjusted service certificate fund and Government life insurance fund investments, see p. 181.
[19] Exclusive of operations in special accounts, see p. 181. [20] See investment of trust funds, p. 181.

No. 187.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1928	1929
SPECIAL EXPENDITURES		
Interest on public debt	731,850	678,980
Refunds of receipts—		
Customs	21,957	21,590
Internal revenue	144,738	191,416
Postal deficiency	32,080	[21] 94,700
Panama Canal	10,522	9,619
Operations in special accounts—		
Railroads	[2] *395*	[2] *1,804*
War Finance Corporation [22]	[2] *3,803*	[2] *644*
Shipping Board	33,836	16,053
Alien-property funds	10	[2] *546*
Adjusted service certificate fund	111,675	111,759
Civil service retirement fund	78	19,975
Investment of trust funds—		
Government life insurance	61,062	52,070
District of Columbia teachers' retirement	523	522
Foreign service retirement	72	208
General railroad contingent	1,180	1,050
Total ordinary expenditures	3,107,010	3,302,047

	1928	1929
PUBLIC DEBT RETIREMENTS CHARGEABLE AGAINST ORDINARY RECEIPTS		
Retirements from—		
Sinking fund	354,741	370,277
Debt repayments from foreign countries, including U. S. bonds	181,804	176,214
Estate taxes	2	20
Franchise tax receipts (Federal reserve and Federal intermediate credit banks)	618	2,933
Forfeitures, gifts, etc	3,081	160
Total	540,246	549,604
Grand total, all items	3,647,256	3,851,651
Less net increase in outstanding checks	2,250	3,238
Total expenditures chargeable against ordinary receipts	3,645,006	3,848,413

[2] Excess credits, deduct. [21] Includes $9,000,000 back railway mail pay, see also p. 179. [22] See note 3, p. 175.

No. 188.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: By Months

NOTE.—All figures in thousands of dollars. Figures are on the "current cash" basis shown by daily Treasury statements, unrevised; see general note, p. 171

Year and month	Ordinary receipts					Expenditures chargeable against ordinary receipts		
	Total	Customs	Income taxes	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements
1927:								
July	173,970	50,481	33,171	60,239	30,079	203,579	194,779	8,800
August	202,182	52,982	39,695	51,026	58,478	259,181	213,150	46,032
September	590,192	54,410	446,005	52,389	37,388	287,442	267,442	20,000
October	221,205	56,617	34,577	49,160	80,851	413,220	341,232	71,988
November	149,683	47,660	30,515	49,442	22,065	406,830	203,318	203,512
December	652,708	43,113	439,960	48,938	120,697	354,178	256,180	97,998
1928:								
January	168,840	41,975	41,577	50,952	34,336	349,142	345,515	3,627
February	228,118	42,130	43,005	42,485	100,498	173,253	172,815	467
March	641,626	48,277	515,669	50,017	27,664	248,258	248,245	13
April	189,965	45,740	46,276	47,417	30,531	326,709	326,706	3
May	164,932	41,438	45,400	56,419	21,675	217,091	217,071	21
June	678,927	44,162	458,103	62,534	114,128	404,607	316,813	87,794
July	154,859	44,591	32,603	50,001	27,663	278,020	225,562	53,058
August	173,495	52,797	34,093	53,472	32,532	308,594	221,868	86,726
September	557,398	50,410	442,985	46,378	17,625	482,600	257,048	225,552
October	187,027	59,741	38,609	55,776	33,501	368,653	364,047	4,606
November	145,156	48,436	32,205	49,892	14,623	213,629	213,629	
December	649,105	45,803	431,702	47,917	123,683	384,019	286,925	97,094
1929:								
January	163,889	45,549	35,139	51,630	31,571	371,595	371,571	25
February	158,794	48,651	37,266	44,822	28,055	185,494	182,560	2,933
March	736,816	55,200	601,364	50,704	29,548	273,875	273,875	
April	173,508	50,404	46,053	47,945	29,107	335,643	335,552	91
May	166,722	48,279	42,838	54,051	21,554	225,269	224,864	405
June	705,882	52,401	555,257	54,719	103,506	420,473	341,360	79,113
July	169,473	52,144	34,884	54,595	27,851	349,825	245,950	103,874
August	174,502	56,427	32,210	54,917	30,947	210,725	210,720	5
September	670,736	52,612	542,280	51,647	24,197	399,068	266,010	133,058
October	175,998	57,607	31,162	56,181	31,048	364,678	356,994	7,684
November	143,880	44,126	28,281	50,489	20,993	218,407	218,204	203
December	742,942	39,298	516,501	50,664	136,479	443,191	303,210	139,980

Source of Tables 187 and 188: Annual Report of the Secretary of the Treasury.

No. 189.—EXPENDITURES OF THE GOVERNMENT CHARGEABLE AGAINST

NOTE.—All figures in thousands of dollars. Figures are on the "cur-

	1916	1917	1918	1919
General expenditures, total [1]	692,526	960,985	6,693,908	11,747,371
Legislative establishment [2]	13,808	15,092	15,826	17,090
Executive proper [2, 3]	502	1,280	9,663	17,407
State Department	6,367	6,166	9,893	20,706
Treasury Department [4, 6]	71,797	84,294	152,560	227,278
War Department	164,547	358,158	4,850,687	8,995,880
Department of Justice	10,539	10,566	12,965	15,717
Post Office Department [6]	7,272	1,806	4,173	2,412
Navy Department	152,654	239,633	1,278,840	2,002,311
Interior Department [10]	*199,471*	*216,416*	*244,557*	288,286
Department of Agriculture	27,970	29,547	42,870	39,246
Department of Commerce	11,438	11,690	12,334	15,590
Department of Labor	3,008	3,852	5,469	12,943
Veterans' Bureau [4]				
Other independent offices and commissions [2, 8]	7,165	7,559	12,715	75,276
District of Columbia [12]	13,255	13,682	14,447	16,014
Unclassified items	+992	+150	+26,470	+895
Interest on public debt	22,901	24,743	189,743	619,216
Other special expenditures, total [1]	18,630	952,954	5,813,051	6,148,393
Refunds of receipts—				
Customs [5]				
Internal revenue [5]				
Postal deficiency [6]				
Panama Canal	18,630	10,783	19,268	13,196
Payment for West Indian Islands		25,000		
Special accounts [12]—				
Railroads			120,264	358,795
War Finance Corporation			44,929	502,622
Shipping Board		14,291	770,682	1,820,607
Alien property funds [3]				
Grain Corporation				
Food and Fuel Administrations			54,860	87,338
Sugar Equalization Board				
Purchase of obligations of foreign governments		885,000	4,738,030	3,479,255
Purchase of Federal farm loan bonds			65,018	86,530
Subscription to stock, Federal land banks		8,880		
Adjusted service certificate fund				
Civil service retirement fund [10]				
Investment of trust funds—				
Government life insurance [5]				
District of Columbia teachers' retirement [12]				
Foreign service retirement				
General railroad contingent				
Total ordinary	734,056	1,977,682	12,696,702	18,514,880
Public debt retirements (chargeable against ordinary receipts) from—				
Sinking fund				
Debt repayments from foreign countries, including U. S. bonds				7,922
Estate taxes				93
Franchise taxes, Federal Reserve and Federal Intermediate credit banks			1,134	
Forfeitures, gifts, etc				
Total			1,134	8,015
Total expenditures chargeable against ordinary receipts	734,056	1,977,682	12,697,837	18,522,895

[1] Totals prior to 1922 are not comparable with later years because of changes in classification of general and special expenditures.

[2] In the fiscal years 1921, 1922, and 1923, material changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions.

[3] Alien property funds included under executive proper prior to fiscal year 1922.

[4] *Payments for veterans' relief made prior to Aug. 11, 1921, by the War Risk Insurance Bureau are in*cluded under Treasury Department, while similar payments made prior to that date by the Federal Board for Vocational Education are under other independent offices and commissions.

[5] Refunds of customs and internal revenue receipts and investments of Government life insurance fund included under Treasury Department prior to 1922.

[6] Postal deficiency included under Post Office Department prior to 1922.

[7] *Post Office Department* expenditures for 1921 include $65,576,000 paid to the Railroad Administration. This resulted in a corresponding decrease in expenditures for Federal control of transportation.

[8] *Deduct, excess of credits.*

[9] *Post Office Department* expenditures include $42,997,000 and postal deficiency, $9,000,000, representing payment of so-called back railway mail pay to inland carriers.

ORDINARY RECEIPTS: By Major Classifications, Years Ended June 30

rent cash" basis, according to daily Treasury statements, unrevised; see general note p. 171.

1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
3,281,652	3,079,684	2,135,868	1,950,041	1,828,463	1,837,004	1,826,727	1,857,859	1,953,327	2,108,563
18,328	18,963	17,083	14,105	14,316	13,856	15,776	19,678	16,402	17,547
6,676	210	219	349	451	412	439	612	589	487
15,236	8,781	9,667	15,463	14,609	15,054	16,521	16,498	11,607	13,285
322,316	483,637	203,105	145,017	137,411	128,232	136,579	151,560	195,640	200,447
1,610,387	1,101,615	454,731	392,734	348,630	361,888	355,072	360,809	390,541	416,902
17,814	17,206	17,889	23,521	21,134	23,496	23,774	24,819	27,600	28,892
50,049	[7] 135,359	3,384	147	187	[8] *80*	96	189	277	[9] 43,091
736,021	650,374	476,775	333,201	332,240	346,142	312,743	318,909	331,335	304,562
279,245	357,815	331,814	354,623	328,228	302,441	301,759	302,707	299,000	301,123
65,546	119,838	142,696	128,746	141,116	164,644	155,350	156,287	160,915	171,147
30,011	30,829	21,688	21,754	21,430	25,783	29,132	30,940	34,383	39,987
5,415	8,503	6,227	7,241	6,620	9,678	8,545	9,922	9,821	11,311
		[11] 376,750	[11] 461,719	[11] 409,121	[11] 384,716	404,692	391,470	401,325	417,280
59,469	119,943	43,872	28,712	28,262	27,683	32,069	35,443	35,681	40,309
19,988	22,715	23,732	24,054	26,873	32,713	34,411	37,567	39,400	40,117
−4,400	−923	+232	−1,436	−1,234	+347	−233	+449	−199	+18
1,020,252	999,145	991,001	1,056,924	940,603	881,807	831,938	787,020	731,764	678,830
2,151,449	1,636,899	245,740	288,663	279,612	344,294	438,947	329,152	418,173	514,026
		37,124	28,737	20,567	22,921	27,745	20,321	21,857	21,826
		45,702	125,279	127,220	147,777	182,220	117,412	148,286	190,728
		64,346	32,527	12,039	23,217	39,596	27,263	32,080	[9] 94,700
11,366	16,461	3,025	4,317	8,387	9,093	9,018	8,305	10,449	9,046
[14] 1,036,672	[7] 730,712	[15] *139,469*	114,145	35,742	7,205	2,726	1,043	[8] *620*	[8] *1,358*
[16] *228,473*	[8] *23,038*	94,428	[8] *109,436*	[8] *52,540*	[8] *42,902*	[8] *19,691*	[8] *27,066*	[8] *3,813*	[8] *611*
530,566	130,723	87,206	57,024	85,491	30,305	23,043	19,011	34,852	15,889
		1,826	[8] *1,366*	[8] *1,151*	4,018	3,516	[8] *496*	[8] *851*	[8] *1,345*
[17] 350,328	[17] 90,353	[17] 32,000							
		[8] *15,230*	2,482						
421,337	73,897	718							
29,044	16,781								
					99,459	120,152	115,219	111,818	111,773
		9,283	8,091	8,028	9,746	10,816	[8] *435*	109	19,955
		24,599	26,672	30,410	31,092	38,290	47,316	61,702	52,160
		231	191	233	258	297	290	514	503
					83	100	87	81	282
				4,584	1,124	1,209	871	1,180	978
6,403,344	5,115,928	3,372,608	3,294,628	3,048,678	3,063,105	3,097,612	2,974,630	3,103,265	3,298,959
	261,100	276,046	284,019	295,987	306,308	317,092	333,528	354,741	370,277
72,670	72,039	64,838	100,803	149,388	159,180	169,654	179,216	181,804	176,214
3,141	26,349	21,085	6,569	8,897	48			2	20
2,922	60,725	60,393	10,815	3,635	704	568	1,232	618	2,933
13	109	393	555	93	208	63	5,578	3,000	160
78,746	422,282	422,695	402,850	458,000	466,538	487,376	519,555	540,255	549,604
6,482,090	5,538,209	3,795,302	3,697,478	3,506,678	3,529,643	3,584,988	3,493,585	3,643,520	3,848,463

[10] Civil service retirement fund, established May, 1920, included under Interior Department prior to 1922.
[11] In 1922 to 1925 additional allotments for veterans' relief are included under the Treasury, War, and Navy Departments, and in 1924 and 1925 also under the Interior Department. In 1922 these allotments amounted to $31,746,000; in 1923, to $10,706,000; in 1924, to $6,411,000; and in 1925, to $6,058,000.
[12] Teachers' retirement fund included under District of Columbia prior to 1922.
[13] Figures are net and allow for receipts and deposits credited to the account concerned.
[14] Includes $228,309,000 payments on certificates of indebtedness of Director General of Railroads.
[15] Deduct, excess of credits resulting from receipts of $266,637,000 from sale of equipment trust notes and $123,783,000 from sale or collection of other securities acquired under the transportation act, 1920. In 1923 and 1924 receipts on these accounts were included under miscellaneous receipts.
[16] Deduct, excess of credits resulting from deposits by War Finance Corporation of proceeds of United States securities redeemed.
[17] Includes $350,000,000 in 1920, $100,000,000 in 1921, and $25,000,000 in 1922 applied by U. S. Grain Corporation to reduction of capital stock and reflected in miscellaneous receipts for those years; the 1921 figure represents net expenditures after taking into account credits.

Source: Annual Report of the Secretary of the Treasury.

No. 190.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Amounts shown for a specified year differ from the actual appropriations for that year, since the former include deficiency appropriations for prior years and exclude amounts for that year provided subsequently as deficiency appropriations

Branch	Number of Congress and fiscal year for which appropriated					
	65th, 1919	65th and 66th, 1920	66th, 1921	66th and 67th, 1922	67th, 1923	67th, 1924
Legislative	18,571	17,637	18,453	18,706	15,165	14,786
Executive Office	219	221	223	229	351	497
Independent offices	3,051,159	2,246,238	931,952	165,733	757,413	522,563
District of Columbia	16,937	17,203	20,749	23,175	26,652	26,633
Department of Agriculture	66,420	193,175	144,796	49,813	145,545	110,662
Department of Commerce	15,311	30,679	23,912	17,911	20,784	22,116
Department of the Interior	295,778	271,567	346,357	352,395	328,256	343,519
Department of Justice	14,975	18,377	16,176	17,680	20,676	23,846
Department of Labor	11,610	5,364	6,099	5,393	8,607	7,519
Navy Department	1,793,682	910,560	453,578	489,651	300,514	325,323
Post Office Department:						
Payable from Treasury [1]	1,995	[2] 38,069	[3] 16,841	[4] 14,330	554	442
Payable from postal revenues [5]	385,712	412,528	523,468	701,424	572,528	596,909
Department of State	11,360	12,762	11,008	11,022	17,570	15,896
Treasury Department	3,418,606	317,690	432,152	359,328	243,845	279,612
Interest on the public debt	655,107	1,052,300	1,017,500	922,650	[6] 1,100,000	940,000
Sinking fund and debt retirements chargeable against ordinary receipts	288,890	[7]	237,500	265,755	330,080	507,011
War Department	16,993,819	876,465	494,975	459,080	359,592	355,211
Increase of compensation [8]	25,000	30,760	35,000	35,000		
Total	27,065,149	6,454,597	4,780,830	3,909,282	4,248,141	4,092,544
Deduct amount payable from postal revenues [5]	385,712	412,528	523,468	701,424	572,528	596,909
Net total	26,679,437	6,042,068	4,257,361	3,207,858	3,675,612	3,495,635

Branch	68th, 1925	68th, 1926	69th, 1927	69th, 1928	70th, 1929	70th, 1930
Legislative	16,648	15,720	20,160	16,480	18,970	21,338
Executive Office	426	534	824	438	437	594
Independent offices	411,216	596,347	639,941	520,041	648,089	661,319
District of Columbia	27,967	40,209	38,459	38,920	41,541	42,569
Department of Agriculture	74,637	146,715	167,572	153,430	163,668	169,666
Department of Commerce	24,123	25,143	31,526	36,822	40,713	60,508
Department of the Interior	292,323	274,826	270,351	285,800	353,332	334,467
Department of Justice	24,227	28,104	27,200	26,432	29,049	30,771
Department of Labor	8,364	9,338	10,184	10,160	11,181	11,429
Navy Department	278,601	324,752	325,791	320,466	394,736	379,152
Post Office Department:						
Payable from Treasury [1]	173	244	32	18	67	28
Payable from postal revenues [5]	629,199	651,256	842,420	755,364	776,975	842,125
Department of State	15,246	18,187	17,819	12,312	15,609	15,826
Treasury Department	269,355	340,915	339,207	345,269	455,474	427,393
Interest on the public debt	865,000	830,000	795,000	755,000	675,000	640,000
Sinking fund and debt retirements chargeable against ordinary receipts	471,806	484,766	515,583	563,630	541,942	553,068
War Department	341,340	364,625	367,386	370,429	466,795	474,990
Total	3,748,652	4,151,682	4,409,463	4,211,011	4,633,578	4,665,237
Deduct amount payable from postal revenues [5]	629,199	651,256	842,420	755,364	776,975	842,125
Net total	3,119,453	3,500,426	3,567,044	3,455,647	3,856,603	3,823,112

[1] Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues. (See note 5.)
[2] Includes $35,698,000 additional compensation, Postal Service.
[3] Includes $14,000,000 for deficit under Federal control of telegraph and telephone systems.
[4] Includes $11,053,000 certified claims.
[5] These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues.
[6] Includes $125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full five years of their life.
[7] The sinking fund created by the act of Feb. 25, 1862, was repealed by the act of Mar. 3, 1919. The act of Mar. 3, 1919, created a cumulative sinking fund beginning with the fiscal year 1921.
[8] In 1919 to 1928, indefinite appropriations, estimated. In 1923 and 1924, definite amounts were appropriated which are included under the several departments and establishments. In 1925 to 1930 this item was absorbed by rates of pay included under the classification act, approved Mar. 4, 1923.

Source: Annual Report of the Secretary of the Treasury.

No. 191.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

NOTE.—All figures in thousands of dollars. The figures represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, and, therefore, differ from those in Tables 182, 184, and 186 which represent the deposits of these collections in the Treasury or depositaries during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table

Yearly average or year ended June 30—	Total	Spirits [1]	Fermented liquors [1]	Tobacco [2]	Income and profits [3]	Legacies, inheritances, etc.	Manufactures and products [1, 3]	Sales, (consumers' or dealers')	Stamps [4]	Other [5]
1863–1865	122,942	18,079	2,551	7,697	28,005	305	42,022	1,422	6,915	15,945
1866–1870	221,797	37,229	5,931	21,962	50,604	2,277	57,355	5,928	14,932	26,580
1871–1875	119,971	49,877	8,684	34,450	7,760	[6] 2,505	2,201	[6] 3,650	9,745	6,024
1876–1880	116,681	55,614	10,510	40,000	(7)		341		6,272	3,943
1881–1885	132,064	71,163	16,614	36,964	[8] 29		70		4,433	2,808
1886–1890	126,711	72,045	22,931	30,901			14		5	815
1891–1895	150,262	86,898	30,841	30,802	[6] 77		3		(7)	1,703
1896–1900	206,624	92,876	49,593	41,900		[8] 2,060	4		[9] 28,532	4,307
1901–1905	255,314	128,178	58,930	49,650		3,652	[6] 1		[8] 26,342	4,368
1906–1910	261,321	144,557	58,609	52,020	[6] 20,960	[8] 96				1,003
1911–1915	356,851	155,854	68,063	74,866	49,737				[6] 23,456	3,641
1916–1920	2,855,761	226,293	93,352	169,853	1,984,473	[10] 59,709	[9] 109,466	[10] 23,806	41,187	217,561
1921–1925	3,158,975	[11] 42,400	17	301,176	2,121,913	126,415	158,728	25,789	59,995	322,543
1901	306,872	116,028	75,670	62,482		5,212	1		30,241	8,230
1902	271,368	121,138	71,989	51,938		4,843			13,443	8,517
1903	230,741	131,953	47,548	43,515		5,357				2,368
1904	232,904	135,810	49,083	44,656		2,072				1,282
1905	234,188	135,959	50,361	45,660		774				1,435
1906	249,103	143,394	55,642	48,423		142				1,502
1907	269,664	156,337	59,568	51,811		50				1,899
1908	251,666	140,159	59,808	49,863						1,837
1909	246,213	134,868	57,456	51,887						2,001
1910	289,957	148,029	60,572	58,118	20,960					2,277
1911	322,526	155,280	64,368	67,006	33,512					2,361
1912	321,616	156,391	63,269	70,590	28,583					2,782
1913	344,424	163,879	66,267	76,789	35,006					2,482
1914	380,009	159,098	67,082	79,987	71,381					2,461
1915	415,681	144,620	79,329	79,957	86,202				23,456	8,117
1916	512,723	158,682	88,771	88,064	124,937				42,196	10,072
1917	809,394	192,111	91,897	103,202	387,382	6,077			8,926	19,798
1918	3,698,956	317,554	126,286	156,189	2,852,325	47,453	36,570		21,875	140,704
1918:	3,850,150	365,211	117,840	206,003	2,600,784	82,030	75,598	2,302	45,251	355,131
1920	5,407,580	97,905	41,966	295,809	3,956,936	103,630	216,230	45,310	87,687	562,100
1921	4,595,357	82,598	25	255,219	3,228,138	154,043	177,802	45,795	75,665	576,071
1922	3,197,451	[11] 45,563	40	270,759	2,086,918	139,419	143,942	28,129	[12] 58,225	424,449
1923	2,621,745	[11] 30,354	4	309,015	1,691,090	126,705	163,981	21,136	61,490	217,970
1924	2,796,179	[11] 27,580	5	325,639	1,841,759	102,967	177,532	23,390	58,526	238,781
1925	2,584,140	[11] 25,903	2	345,247	1,761,659	[13] 108,940	130,382	10,495	46,068	155,444
1926	2,836,000	[11] 26,436	16	370,666	1,974,104	[13] 119,216	142,493	7,728	49,801	145,540
1927	2,805,083	[11] 21,195	1	376,170	2,219,952	100,340	66,850		32,603	48,572
1928	2,790,536	[11] 15,307	(7)	396,450	2,174,573	60,087	51,952		43,818	48,347
1929	2,939,054	[11] 12,777	(7)	434,445	2,331,274	61,897	5,724		53,798	34,140

Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.	Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.
1917			10,472		1924	34,662	10,419	87,472	77,713
1918	70,737	2,215	24,996	26,357	1925			90,003	30,908
1919	237,840	7,182	28,776	50,920	1926			97,386	23,981
1920	289,348	57,461	93,020	76,721	1927			8,970	17,941
1921	301,512	58,676	81,526	89,731	1928			8,689	17,725
1922	198,790	33,504	80,612	73,386	1929			6,956	6,083
1923	30,381	10,132	81,568	70,175					

[1] Including special taxes relating to manufacture and sale.
[2] Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.
[3] Including receipts from the tax on raw cotton from 1863 to 1878.
[4] Including sales by postmasters of documentary stamps beginning with 1918.
[5] The totals in this column for the years 1917 to 1929 include items shown in detail in second part of table.
[6] Figures for one year only.
[7] Less than $500.
[8] Average for two years.
[9] Average for three years.
[10] Average for four years.
[11] Consists chiefly of tax on distilled spirits (nonbeverage).
[12] Includes excise tax on perfumes, cosmetics, and medicinal articles amounting to $2,305,000.
[13] Includes gift tax amounting to $7,518,000 in 1925 and $3,175,000 in 1926.

Source: Annual Report of the Secretary of the Treasury.

No. 192.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE

NOTE.—All figures in thousands of dollars. Data are for years ended June 30. See also headnote, Table 191

	1924	1925	1926	1927	1928	1929
Grand total	2,796,172	2,564,140	2,836,000	2,805,883	2,780,536	2,939,054
Income and profits [1]	1,841,759	1,761,659	1,974,104	2,219,952	2,174,573	2,331,274
Corporation [1]		916,252	1,094,980	1,308,013	1,291,846	1,235,733
Individual		845,426	879,124	911,940	882,727	1,095,541
Estates of decedents	102,967	101,492	116,041	100,340	60,087	61,897
Gifts: Transfer of property by gift		7,518	3,175			
Distilled spirits	27,560	25,902	26,436	21,195	15,307	12,777
Distilled spirits (nonbeverage)	24,825	23,170	23,752	18,757	13,609	11,590
Distilled spirits (beverage) and rectified spirits or wines	31	15	55	16	13	11
Still or sparkling wines, cordials, etc	1,454	1,595	1,679	796	893	293
Grape brandy used in fortifying sweet wines	665	475	322	401	201	268
Rectifiers, dealers, manufacturers of stills, etc. (special taxes)	484	533	535	1,148	501	528
Miscellaneous collections	121	105	92	77	80	88
Fermented liquors	5	2	16	1	(2)	(2)
Tobacco	325,639	345,247	370,686	376,170	396,450	434,445
Cigars (large)	45,205	43,347	38,319	23,545	22,879	22,549
Cigars (small)	756	731	533	353	301	323
Cigarettes (large)	126	110	127	87	76	83
Cigarettes (small)	203,651	225,033	254,825	278,920	301,753	341,952
Snuff	7,005	6,754	6,918	6,908	7,461	7,127
Tobacco, chewing and smoking	66,700	66,922	67,711	65,070	62,774	61,159
Cigarette papers and tubes	1,029	1,160	1,061	1,170	1,124	1,180
Manufacturers (special taxes)	1,137	1,126	1,132			
Miscellaneous collections	28	36	41	109	18	73
Revenue acts of 1921, 1924, 1926, and 1928	490,277	828,607	341,191	142,327	138,232	93,775
Documentary stamps, etc.—						
Sales by postmasters	12,418	7,738	7,881	35	15,561	17,868
Bonds of indebtedness, capital-stock issues, etc	30,613	20,125	20,600	13,009		
Capital-stock sales or transfers	7,937	12,809	17,137	16,674	24,209	37,596
Sales of produce (future deliveries)	7,558	5,397	4,183	2,885	4,048	3,333
Playing cards	3,732	3,183	4,213	4,742	5,011	5,376
Telegraph, telephone, radio messages, leased wires, etc	34,063					
Excise taxes—						
Automobile trucks	11,511	7,808	6,817			
Other automobiles and motor cycles [3]	112,871	94,142	113,133	66,438	51,627	5,546
Tires, parts, or accessories for automobiles, etc	33,634	22,737	18,205			
Pistols and revolvers	3,370	3,664	51	193	169	166
Other firearms, shells, etc			2,567			
Jewelry, clocks, watches, opera glasses, etc	22,634	9,673	7,308			
Cereal beverages [4]	[4] 10,419		54	199	139	
Miscellaneous	16,853	2,829	2,063			
Opium, coca leaves, including special taxes, etc	1,057	1,091	982	798	990	695
Corporations, on value of capital stock	87,472	90,003	97,386	[5] 8,970	[5] 8,689	[5] 5,956
Other special taxes	7,815	5,812	4,548	8	10	
Admissions to theaters, concerts, cabarets, etc	77,713	30,908	23,981	17,941	17,725	6,083
Dues of clubs	8,010	8,601	10,074	10,436	10,353	11,245
Miscellaneous:						
Adulterated, process or renovated butter, filled cheese, and mixed flour	49	25	22	21	15	12
Oleomargarine	2,814	[3] 639	3,070	3,104	3,403	3,611
Collections under prohibition laws	855	561	416	503	925	727
Other miscellaneous receipts [6]	4,233	12,157	871	2,010	1,537	536

[1] Includes income tax on Alaska railroads (act of July 18, 1914).
[2] Less than $500.
[3] Tax repealed effective May 29, 1928.
[4] Beverages (nonalcoholic), including soft drinks, mineral waters, etc., in 1924.
[5] Tax due prior to July 1, 1926.
[6] Consists chiefly of delinquent taxes collected under repealed laws.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 193.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—Tax receipts are credited to the districts in which the collections are made. Receipts in the various States do not indicate the tax burden of the respective States, since the taxes may eventually be borne by persons in other States. See also headnote, Table 191

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1926	1927	1928	1929	1926	1927	1928	1929
Total	1,974,104	2,219,952	2,174,573	2,331,274	861,896	645,731	615,962	607,790
New England	157,744	166,201	160,035	177,627	30,845	15,157	11,038	9,253
Maine	8,591	8,564	8,036	8,387	1,192	1,902	383	302
New Hampshire	3,013	3,007	3,246	3,353	1,113	496	749	625
Vermont	2,661	2,656	2,221	2,309	740	164	82	54
Massachusetts	100,017	105,269	98,530	109,723	18,859	9,431	6,888	5,797
Rhode Island	14,461	12,905	13,572	13,596	2,435	803	1,198	519
Connecticut	29,001	33,800	34,381	40,259	6,535	2,311	1,733	1,956
Middle Atlantic	837,153	958,516	946,493	1,047,694	261,265	174,290	159,032	154,866
New York	529,505	649,299	646,604	744,782	164,224	105,780	106,581	98,754
New Jersey	72,252	81,301	82,956	93,922	40,119	32,662	22,646	27,525
Pennsylvania	195,396	222,916	216,933	208,990	56,922	35,848	29,805	28,587
East North Central	462,076	518,347	514,120	542,677	215,263	121,415	104,411	56,786
Ohio	109,071	117,649	113,764	121,822	46,685	29,782	25,923	20,676
Indiana	24,923	28,405	27,246	25,462	14,715	7,709	7,449	2,636
Illinois	176,861	194,971	201,135	217,402	38,859	22,408	20,885	20,826
Michigan	122,570	141,639	128,484	140,484	103,059	56,360	45,195	10,939
Wisconsin	28,650	35,682	43,492	37,508	10,945	5,156	4,659	1,710
West North Central	112,471	120,780	114,840	116,722	30,335	18,659	16,645	17,292
Minnesota	28,384	26,219	26,105	27,068	5,514	2,224	1,740	1,401
Iowa	11,112	11,726	11,310	12,836	2,810	941	672	595
Missouri	49,603	55,903	51,979	51,633	18,325	14,392	13,106	14,219
North Dakota	778	740	748	665	240	58	40	45
South Dakota	858	737	679	794	257	86	67	44
Nebraska	6,173	5,808	5,333	5,857	1,286	370	400	323
Kansas	15,563	19,627	18,686	17,270	1,873	588	621	665
South Atlantic	143,138	168,817	154,668	156,629	242,185	263,269	231,284	320,763
Delaware	9,540	14,319	20,011	28,167	2,092	1,056	1,006	2,143
District of Columbia	15,191	16,020	16,361	15,678	1,875	2,207	825	1,417
Maryland	25,646	29,627	28,264	31,332	4,824	2,852	3,057	3,315
Virginia	17,527	20,781	21,891	20,177	42,959	58,380	61,804	67,307
West Virginia	11,654	15,750	13,352	11,349	3,975	2,606	2,530	2,913
North Carolina	17,678	19,205	20,351	20,067	174,726	186,447	204,964	234,428
South Carolina	4,176	3,826	3,737	3,500	721	250	161	157
Georgia	12,437	13,690	13,550	13,500	1,795	578	633	556
Florida	33,989	35,590	17,181	12,859	9,218	8,893	6,304	8,529
East South Central	37,840	43,764	39,203	38,883	19,685	16,172	14,052	16,435
Kentucky	14,630	16,258	15,001	15,198	12,206	11,423	9,010	11,465
Tennessee	11,398	13,723	13,351	13,761	5,860	4,089	4,485	4,224
Alabama	8,276	10,458	8,178	7,599	1,179	525	470	555
Mississippi	3,527	3,325	2,674	2,326	440	135	87	190
West South Central	69,643	86,070	82,251	71,818	12,572	4,645	4,142	4,342
Louisiana	12,583	15,396	12,181	12,985	3,765	2,083	2,034	2,095
Texas	36,879	42,964	45,559	37,704	6,000	1,995	1,673	1,762
Oklahoma	15,789	23,257	20,188	17,572	2,205	302	327	369
Arkansas	4,392	5,053	4,224	3,557	542	265	108	116
Mountain	22,581	24,892	24,268	24,044	11,720	3,199	1,184	2,252
Montana	1,968	2,376	2,825	3,049	7,133	1,955	154	1,379
Wyoming	1,365	1,830	2,057	1,110	221	55	110	57
Colorado	11,976	12,657	11,453	11,038	2,855	817	427	502
New Mexico	635	658	772	934	104	22	17	32
Arizona	1,674	1,673	1,737	2,311	409	64	183	88
Utah	3,403	3,769	3,663	3,479	601	154	108	89
Nevada	451	501	690	1,076	135	83	113	65
Idaho	1,129	1,428	1,071	1,049	262	49	73	41
Pacific	120,269	131,899	132,408	149,551	36,485	28,856	23,858	25,284
Washington	12,157	13,192	12,156	13,424	2,047	662	583	590
Oregon	6,399	6,198	5,815	5,903	1,091	514	294	283
California	101,713	112,309	114,437	130,224	33,347	27,180	22,781	24,405
Philippine Islands					789	377	388	372
Hawaii	6,061	5,144	6,112	5,473	736	187	132	123
Alaska	151	143	149	157	17	4	1	1

Source: Annual Report of the Commissioner of Internal Revenue.

No. 194.—PERSONAL AND CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1927

Division and State	Number of returns		Net income in thousands of dollars		Tax in thousands of dollars			Total tax, per cent of total United States
	Personal	Corporation	Personal	Corporation	Personal	Corporation	Total	
Total	4,101,547	475,031	22,545,091	8,981,884	830,639	1,130,674	1,961,313	100.00
New England	356,730	33,360	2,013,224	643,658	72,372	78,523	150,895	7.69
Maine	18,710	3,489	103,081	36,574	3,301	4,327	7,628	.39
New Hampshire	14,484	1,227	70,561	11,148	1,825	1,240	3,065	.15
Vermont	8,268	1,080	41,842	9,927	847	1,164	2,011	.10
Massachusetts	214,356	18,182	1,189,273	399,971	43,950	49,174	93,124	4.75
Rhode Island	25,184	2,688	157,465	49,046	6,332	5,791	12,123	.62
Connecticut	77,778	6,685	451,002	136,992	16,117	16,827	32,944	1.68
Middle Atlantic	1,343,815	140,975	8,607,674	3,701,485	422,796	472,045	894,841	45.62
New York	760,974	96,949	5,398,451	2,545,507	305,210	324,573	629,783	32.11
New Jersey	195,467	19,143	1,117,398	349,484	38,912	43,337	82,249	4.19
Pennsylvania	381,374	24,883	2,091,825	806,494	78,674	104,135	182,809	9.32
East North Central	955,031	93,592	4,983,765	2,268,164	164,421	290,040	454,461	23.17
Ohio	222,707	24,305	1,153,756	505,740	35,519	63,487	99,006	5.05
Indiana	76,703	11,463	349,434	175,760	8,884	13,965	22,849	1.16
Illinois	378,859	29,248	2,093,909	836,588	73,796	107,499	181,295	9.24
Michigan	175,806	14,120	950,086	624,658	35,600	81,971	117,571	6.00
Wisconsin	100,956	14,456	436,580	185,418	10,622	23,118	33,740	1.72
West North Central	291,667	52,807	1,344,285	547,185	28,497	67,238	95,733	4.88
Minnesota	61,439	11,101	295,670	117,224	7,383	14,227	21,610	1.10
Iowa	45,349	9,050	199,436	53,292	3,310	6,154	9,464	.48
Missouri	96,407	16,370	501,495	239,671	13,738	30,281	44,019	2.25
North Dakota	9,758	3,471	33,252	5,412	187	399	586	.03
South Dakota	10,969	3,008	35,907	5,230	210	387	597	.03
Nebraska	32,170	4,716	130,131	26,750	1,428	2,981	4,409	.22
Kansas	35,575	5,191	157,304	99,606	2,241	12,807	15,048	.77
South Atlantic	305,424	47,800	1,577,269	699,650	48,723	87,302	136,025	6.94
Delaware	9,260	1,553	90,263	116,890	7,970	15,548	23,518	1.20
Maryland	65,099	5,787	390,671	104,113	13,860	13,189	27,049	1.37
District of Columbia	39,560	1,988	198,938	55,833	6,027	7,225	13,252	.68
Virginia	37,393	6,485	172,240	123,648	3,611	15,770	19,381	.99
West Virginia	32,600	5,239	139,096	57,024	2,520	6,996	9,516	.49
North Carolina	33,398	6,501	155,917	114,607	4,520	14,147	18,667	.95
South Carolina	14,310	3,713	55,219	24,791	555	2,694	3,249	.17
Georgia	33,818	5,524	167,407	70,521	3,613	8,320	11,933	.61
Florida	40,080	11,010	206,918	32,218	6,047	3,413	9,460	.48
East South Central	111,772	17,380	543,849	181,516	11,334	21,712	33,046	1.68
Kentucky	33,004	5,718	172,582	72,270	4,028	8,893	12,921	.66
Tennessee	33,812	5,030	173,103	61,403	4,035	7,405	11,440	.58
Alabama	27,992	4,383	133,225	35,067	2,455	4,172	6,627	.34
Mississippi	16,964	2,240	64,870	12,176	816	1,242	2,058	.10
West South Central	208,964	27,539	1,023,473	272,087	23,857	31,983	55,840	2.84
Arkansas	17,331	2,660	75,554	16,260	1,340	1,811	3,151	.16
Louisiana	37,293	5,817	175,254	56,861	3,175	6,753	9,928	.51
Oklahoma	39,806	6,132	212,342	56,308	6,232	6,368	12,600	.64
Texas	114,534	12,930	560,323	142,338	12,910	17,051	29,961	1.53
Mountain	105,173	21,129	431,071	104,987	6,758	11,809	18,567	.95
Montana	18,651	4,020	60,654	13,312	808	1,361	2,229	.11
Idaho	10,673	2,270	38,449	5,930	247	587	834	.04
Wyoming	8,870	1,402	31,298	4,920	275	492	767	.04
Colorado	31,727	6,863	148,473	47,750	3,307	5,617	8,954	.46
New Mexico	6,462	1,019	26,288	3,998	283	418	701	.04
Arizona	11,059	1,556	45,537	7,780	698	865	1,563	.08
Utah	13,029	3,125	53,529	17,179	351	1,952	2,803	.14
Nevada	4,702	874	17,443	4,109	220	487	716	.04
Pacific	[1] 411,869	39,489	[1] 1,975,862	534,145	[1] 59,880	66,246	117,126	5.97
Washington	[1] 62,200	10,077	[1] 252,547	62,700	[1] 2,914	7,222	10,136	.52
Oregon	33,903	6,350	140,739	23,695	1,921	2,494	4,415	.22
California	315,566	22,162	1,582,576	447,750	46,045	56,530	102,575	5.23
Alaska	[2]	174	[2]	678	[2]	63	63	.01
Hawaii	9,252	686	44,619	28,349	1,201	3,715	4,916	.25

[1] Includes Alaska.
[2] Included with Washington.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 195.—PERSONAL AND CORPORATION TAX RETURNS: SUMMARY

NOTE.—Under the various revenue laws the following individuals were required to file personal returns: In 1913 to 1916, those with net income of $3,000 and over; 1917 to 1924, $1,000 and over; 1925 to 1927, $1,500 and over; or in the case of married persons living with husband or wife filing a joint return, $2,000 in 1917 to 1923, $2,500 in 1924, and $3,500 in 1925 to 1927. All income tax data include Alaska and Hawaii

Calendar year	Number of returns			Net income		Tax yield				
		Corporation				Personal			Corporation	
	Personal	Reporting net income	Reporting no net income [1]	Personal	Corporation	Total	Normal	Surtax	Income tax	War and excess profits
				Millions of dollars		Thousands of dollars				
1913	357,598	188,866	128,043	[2] 3,900	4,714	28,254	12,728	15,525	[3] 43,128	
1914	357,515	174,205	[4] 125,240	4,000	3,940	41,046	16,559	24,487	39,145	
1915	336,652	190,911	[4] 175,532	4,600	5,310	67,944	23,998	43,948	56,994	
1916	437,036	206,984	134,269	6,208	8,706	173,387	51,441	121,946	171,805	
1917 [5]	3,472,890	232,079	119,347	13,652	10,730	691,493	156,897	[6] 534,596	503,698	1,638,748
1918	4,425,114	202,061	115,518	15,925	8,362	1,127,722	476,433	651,289	653,198	2,505,566
1919	5,332,760	209,634	110,564	19,860	9,411	1,260,630	468,105	801,625	743,536	1,431,806
1920	7,259,944	203,233	142,362	23,736	7,903	1,075,054	478,250	596,804	636,508	988,726
1921	6,662,176	171,230	185,158	10,577	4,336	719,387	308,059	411,328	366,444	335,132
1922	6,787,481	212,635	170,348	21,336	6,964	[7] 861,057	355,410	474,581	775,310	8,466
1923	7,698,321	233,339	165,594	24,778	8,322	[7] 661,666	283,791	348,089	937,107	
1924	7,369,788	230,389	181,032	25,656	7,587	[7] 704,265	257,795	437,540	881,550	
1925	4,171,051	252,334	177,738	21,895	9,584	[7] 734,555	216,360	432,853	1,170,331	
1926	4,138,092	258,134	197,186	21,959	9,673	[7] 732,471	200,599	448,330	1,220,797	
1927	4,101,547	259,849	215,182	22,545	8,982	[7] 830,639	215,817	511,731	1,130,674	

[1] Includes inactive concerns (49,356 in 1927) reporting no income or not reporting income data.
[2] Determined on the basis of the number of returns filed and the average net income in each class.
[3] Includes excise tax, $10,071,000, under act of Aug. 5, 1909.
[4] Figures for 1915 contain approximately 30,000 returns which properly belong in 1914.
[5] In 1917 there was also a war and excess-profits tax on partnerships of $103,888,000, which is not shown.
[6] Includes war and excess-profits tax, $101,250,000.
[7] Includes tax on capital net gain from sale of assets held for more than 2 years. In 1924 to 1927 figures represent net tax after deducting tax credits of 12½ per cent on capital net loss from sale of assets held over 2 years and 25 per cent of tax on earned net income.

No. 196.—GROSS INCOME OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—Gross income excludes nontaxable income, except dividends on capital stock of domestic corporations beginning 1922, but includes receipts from all other sources. Sales are included on a gross basis but only net profits from the sale of real estate, stocks, bonds, and other capital assets are included. Data are not comparable with "total income" of individuals shown in other tables. See also Table 198

[In millions of dollars]

Industrial group	1920	1921	1922	1923	1924	1925	1926	1927
Total	118,206	91,249	100,921	118,564	119,280	134,260	142,129	144,398
Agriculture and related industries	725	676	705	774	810	794	864	822
Mining and quarrying	6,151	3,889	3,695	4,863	4,849	4,925	4,548	3,837
Manufacturing, total	56,649	38,442	44,683	56,221	53,911	60,830	62,495	63,722
Foods, beverages, and tobacco	12,285	8,270	8,865	10,078	11,847	13,400	13,475	13,914
Textiles and textile products	8,205	5,686	6,795	7,857	7,189	7,717	7,753	7,807
Leather and leather products	1,894	1,418	1,464	1,597	1,507	1,515	1,661	1,731
Rubber and rubber goods	1,038	638	943	1,079	1,122	1,469	1,600	1,447
Lumber and wood products	3,312	1,847	2,402	2,975	2,835	2,968	3,069	2,805
Paper, pulp, and products	1,799	1,004	1,162	1,444	1,304	1,491	1,652	1,699
Printing and publishing	1,761	1,722	1,847	1,985	2,166	2,282	2,547	2,567
Chemicals and allied substances	5,565	3,879	5,711	6,108	5,890	7,065	8,090	8,768
Stone, clay, and glass products	1,316	954	1,172	1,364	1,383	1,502	1,665	1,600
Metals and metal products	15,104	9,805	9,976	16,601	15,939	19,110	18,454	19,185
All other manufacturing	4,369	3,220	4,345	5,133	2,668	2,311	2,527	2,229
Construction	2,238	1,773	1,766	2,224	2,210	2,306	2,816	3,056
Transportation and public utilities [1]	9,153	9,001	9,754	10,527	10,176	11,881	14,764	15,140
Trade	31,513	27,344	28,677	32,274	35,116	39,847	40,938	40,944
Public service	1,953	1,755	2,216	2,419	2,632	2,839	3,300	3,587
Finance, banking, insurance, etc	8,390	7,551	8,932	8,464	9,072	10,517	12,300	13,204
Predominant branch not ascertainable and nominal concerns	1,434	818	491	799	454	322	45	86

[1] Data prior to 1925 incomplete as these corporations to a large extent reported merely net income.

Source of Tables 195 and 196: Statistics of Income, Report of the Commissioner of Internal Revenue.

No. 197.—CORPORATION DIVIDENDS: AS SHOWN IN INCOME TAX RETURNS

[All figures in millions and tenths of millions of dollars]

Industrial group	1924		1925		1926		1927	
	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends
Total	4,338.8	510.5	5,189.5	544.4	5,945.3	757.6	6,428.6	702.5
Agriculture and related industries	27.9	1.8	30.9	4.1	32.3	1.6	47.1	1.4
Mining and quarrying	255.3	11.6	335.1	3.9	402.7	19.5	329.9	5.3
Manufacturing, total	1,883.0	260.1	2,235.8	287.4	2,544.2	463.4	2,603.3	248.0
Foods, beverages, and tobacco	273.2	25.2	312.2	72.1	327.2	41.1	365.9	71.0
Textiles and textile products	188.0	27.9	180.2	26.8	135.3	25.5	195.5	20.9
Leather and leather products	30.3	4.9	38.8	10.0	33.3	10.2	29.3	15.0
Rubber and rubber goods	16.0	1.2	33.1	1.2	41.3	1.2	58.4	2.3
Lumber and wood products	105.2	22.3	119.7	13.7	124.3	15.1	108.6	9.7
Paper, pulp, and products	39.2	3.8	64.3	3.6	56.2	6.1	65.9	9.9
Printing, and publishing	81.0	19.0	93.6	14.4	121.9	6.8	137.7	17.4
Chemicals and allied substances	342.2	14.3	477.7	28.7	544.3	61.6	521.3	12.4
Stone, clay, and glass products	66.6	19.8	79.1	29.2	101.5	13.7	85.9	5.8
Metals and metal products	658.8	109.7	714.6	60.3	839.9	239.6	957.5	76.3
All other manufacturing	87.5	12.1	99.2	7.5	119.0	12.5	77.3	6.8
Construction	38.0	6.1	70.0	11.6	55.3	10.1	75.1	16.1
Transportation and public utilities	925.0	64.3	1,006.8	77.2	1,276.7	68.1	1,606.2	64.2
Trade	418.8	94.5	506.3	90.6	525.3	80.2	555.5	127.9
Public service	85.1	10.6	107.9	9.5	125.2	12.9	132.7	40.6
Finance—banking, insurance, etc	694.2	58.5	896.8	78.6	978.6	100.5	1,069.0	192.8
Predominant branch not ascertainable and nominal concerns	11.6	2.9	11.8	1.7	4.9	1.3	5.3	.2

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 198.—CORPORATION INCOME TAX RETURNS: ANALYSIS OF RECEIPTS AND DEDUCTIONS, TOTALS 1924 TO 1927, AND BY INDUSTRIAL GROUPS, 1927

[All figures in millions or millions and tenths of millions of dollars]

	Aggregate				Manufacturing			
	1924	1925	1926	1927	Total	Food	Textiles	Leather
Receipts, total [1]	119,747	136,711	142,629	144,899	63,816	13,921.9	7,617.0	1,732.1
Gross sales	97,298	108,763	106,206	106,864	60,032	13,612.4	7,642.4	1,692.9
Gross profits from sales [1]	*21,407*	*22,117*	*23,723*	*23,577*	*14,447*	*2,421.3*	*1,504.4*	*315.6*
Gross profits other than from sales	13,830	(3)	9,332	9,420	1,112	68.7	43.8	9.9
Interest	4,972	(3)	3,712	3,989	316	65.3	23.5	5.1
Miscellaneous income	2,215	26,252	21,373	22,467	986	130.9	86.8	21.4
Not subject to tax—								
Dividends of other domestic corporations	915	1,176	1,505	1,658	377	37.2	11.0	1.9
Interest on Federal, State, and municipal bonds	517	520	500	501	93	7.4	9.5	.9
Deductions, total	112,952	127,395	133,119	136,230	60,258	13,399.7	7,499.8	1,652.0
Cost of goods sold	75,801	86,646	82,484	83,487	46,485	11,191.1	6,138.0	1,377.3
Interest paid	3,445	3,617	3,989	4,375	578	132.9	68.6	12.0
Taxes paid other than income tax	1,670	(4)	1,878	2,014	557	71.2	57.9	8.7
Depreciation, amortization, and depletion	3,187	3,330	3,841	3,848	1,819	206.6	147.3	18.1
Miscellaneous expense	28,759	33,801	40,927	42,506	10,719	1,797.9	1,088.0	235.9
Net profits	6,795	9,316	9,510	8,669	3,558	522.2	317.2	80.1
Deduct tax-exempt items (above)	1,432	1,695	2,005	2,159	470	44.6	20.5	2.8
Net income	5,363	7,621	7,505	6,510	3,088	477.6	296.7	77.3
Deduct prior year loss	220	243	236	244	100	11.5	34.0	7.0
Net income, deducting prior year loss	5,143	7,378	7,269	6,266	2,988	466.1	262.7	70.3
Total tax	937	1,170	1,230	1,131	508	75.8	50.3	12.2

For footnotes see p. 191.

No. 198.—Corporation Income Tax Returns: Analysis of Receipts and Deductions, Totals 1924 to 1927, and by Industrial Groups, 1927—Con.

[All figures in millions and tenths of millions of dollars]

	Manufacturing—Continued							
	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metal	All other
Receipts, total [1]	1,447.3	2,806.7	1,671.1	2,589.5	8,781.2	1,603.7	19,234.6	2,231.2
Gross sales	1,414.0	2,694.8	1,596.3	2,143.2	8,036.2	1,558.1	18,411.2	2,130.5
Gross profits from sales [2]	*348.8*	*621.9*	*403.0*	*778.2*	*2,273.5*	*509.5*	*4,610.6*	*660.7*
Gross profits other than from sales	2.3	27.5	6.9	339.7	342.6	8.7	240.9	21.4
Interest	5.4	16.2	14.4	9.0	45.7	6.8	109.1	14.1
Miscellaneous income	16.3	55.9	42.5	46.4	153.0	22.7	367.1	42.7
Not subject to tax—								
Dividends of other domestic corporations	8.8	9.8	9.3	27.8	189.9	4.2	57.0	20.2
Interest on Federal, State, and municipal bonds	.5	2.5	1.7	3.4	12.8	3.2	49.3	2.3
Deductions, total	1,387.1	2,763.3	1,549.7	2,374.6	8,193.0	1,467.4	17,868.3	2,103.2
Cost of goods sold	1,065.7	2,072.9	1,193.3	1,365.0	5,702.7	1,048.6	13,800.6	1,469.8
Interest paid	28.0	48.7	29.5	27.0	105.8	16.8	184.1	24.1
Taxes paid other than income tax	8.6	39.0	18.2	20.9	115.4	15.5	184.8	16.6
Depreciation, amortization, and depletion	34.9	128.7	58.2	54.8	513.4	70.9	541.6	45.0
Miscellaneous expense	249.9	474.0	250.5	906.9	1,695.7	315.6	3,157.2	547.7
Net profits	60.2	43.4	121.4	194.9	588.2	136.3	1,366.3	128.0
Deduct tax-exempt items (above)	9.3	12.3	11.0	31.2	202.7	7.4	106.3	22.5
Net income	50.9	31.1	110.4	163.7	385.5	128.9	1,260.0	105.5
Deduct prior year loss	4.1	4.5	3.1	4.0	8.4	1.7	14.6	7.4
Net income, deducting prior year loss	46.8	26.6	107.3	159.7	377.1	127.2	1,245.4	98.1
Total tax	8.8	15.6	16.1	25.1	65.2	20.6	198.3	20.3

	Agriculture	Mining and quarrying	Construction	Transportation and public utilities	Trade	Public service	Finance	Nominal concerns
Receipts, total [1]	823.6	3,847.3	3,059.0	15,165.8	40,955.4	3,588.6	13,556.9	86.3
Gross sales	654.2	3,189.5	2,537.1	----------	39,551.0	----------	----------	----------
Gross profits from sales [2]	*231.0*	*962.5*	*450.6*	----------	*7,286.0*	----------	----------	----------
Gross profits other than from sales	107.7	399.8	410.8	1,345.6	497.8	1,488.7	4,046.7	10.2
Interest	9.8	34.5	17.5	232.1	130.8	25.0	3,221.0	2.9
Miscellaneous income	42.5	161.3	64.7	13,015.0	705.8	2,046.3	[5] 5,376.9	69.1
Not subject to tax—								
Dividends of other domestic corporations	8.2	51.7	25.5	547.3	58.3	26.9	559.4	3.6
Interest on Federal, State, and municipal bonds	1.2	10.5	3.4	25.6	11.7	1.7	352.9	.5
Deductions, total	797.5	3,755.7	2,918.3	13,201.5	40,090.9	3,432.6	11,637.9	87.5
Cost of goods sold	423.2	2,227.0	2,086.5	----------	32,265.0	----------	----------	----------
Interest paid	30.7	109.0	34.7	1,306.9	348.7	106.0	1,758.6	2.9
Taxes paid other than income tax	26.9	88.8	13.1	620.0	194.5	68.0	444.6	1.2
Depreciation, amortization, and depletion	44.5	461.5	60.6	814.3	261.0	143.7	241.5	1.8
Miscellaneous expense	272.2	869.4	723.4	10,460.3	7,021.7	3,114.9	[5] 9,243.2	81.6
Net profits	26.1	91.6	140.7	1,964.1	864.5	156.0	1,889.0	[7] 1.2
Deduct tax-exempt items (above)	9.4	62.2	28.9	572.9	70.0	28.6	[5] 912.3	4.1
Net income	16.7	29.4	111.8	1,391.2	794.5	127.4	956.7	[7] 5.3
Deduct prior year loss	6.5	12.5	9.7	12.3	39.1	11.3	52.4	.3
Net income, deducting prior year loss	10.2	16.9	102.1	1,378.9	755.4	116.1	904.3	[7] 5.6
Total tax	7.8	34.9	20.1	219.9	137.4	28.6	181.7	.3

[1] Includes net profits from the sale of real estate, stocks, bonds, and other capital assets, but not gross receipts from these items. Nontaxable income, other than interest on tax-exempt obligations and dividends on stock of domestic corporations, is not included.
[2] Difference between gross sales and cost of goods shown below.
[3] Included in miscellaneous income.
[4] Included in miscellaneous expense.
[5] Includes for a limited number of returns the cost of securities purchased for customers.
[6] Includes special nonexpense deductions of life insurance companies.
[7] Deficit.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 199.—CORPORATION INCOME TAX RETURNS: NUMBER AND NET INCOME (OR DEFICIT) BY INCOME CLASSES, TOTALS 1923 TO 1927, AND BY INDUSTRIAL GROUPS, 1927

[Net income and deficit in thousands of dollars]

Income class	Number	Net income	Number	Net income	Number	Net income	Number	Net income
	1923		1924		1925		1926	
Reporting net income	233,389	8,321,529	236,389	7,586,652	252,334	9,583,684	258,134	9,673,403
Less than $10,000	175,111	440,400	180,275	440,136	188,848	467,453	197,373	465,772
$10,000 to $100,000	48,022	1,468,860	47,268	1,404,772	52,747	1,621,589	50,461	1,542,734
$100,000 to $1,000,000	9,130	2,421,598	7,945	2,083,697	9,626	2,520,788	9,203	2,426,847
$1,000,000 to $5,000,000	858	1,695,717	739	1,447,837	917	1,876,243	883	1,760,643
$5,000,000 and over	168	2,294,954	162	2,210,210	196	3,097,611	214	3,468,407
Reporting deficit [1]	165,594	[2] 2,013,554	181,032	[2] 2,223,926	177,738	[2] 1,962,628	197,186	[2] 2,168,710
	1927 [3]		Agriculture		Mining and quarrying		Manufacturing, total	
Reporting net income	259,849	8,981,884	4,445	78,577	5,232	276,309	53,620	3,938,647
Less than $10,000	201,465	465,849	3,614	7,450	3,708	7,508	34,785	90,331
$10,000 to $100,000	48,333	1,471,610	701	20,170	1,139	39,042	14,254	483,058
$100,000 to $1,000,000	9,009	2,405,365	97	26,826	342	93,296	4,081	1,140,830
$1,000,000 to $5,000,000	855	1,700,282	2	[4] 24,131	36	73,300	419	847,970
$5,000,000 and over	187	2,938,778	1		7	63,073	81	1,376,458
Reporting deficit	165,826	[2] 2,471,739	4,460	[2] 61,895	7,804	[2] 246,924	36,196	[2] 851,053
Inactive corporations [5]	49,356		1,000		5,483		3,599	
	Food		Textiles		Leather		Rubber	
Reporting net income	9,232	585,320	8,240	417,484	1,448	99,072	335	70,259
Less than $10,000	6,404	16,255	5,357	13,566	857	2,549	177	452
$10,000 to $100,000	2,260	73,185	2,131	74,065	442	15,072	94	3,493
$100,000 to $1,000,000	486	126,325	698	196,440	139	40,340	53	17,780
$1,000,000 to $5,000,000	66	137,742	52	96,827	8	15,086	8	14,321
$5,000,000 and over	16	231,813	2	36,586	2	26,025	3	34,207
Reporting deficit	5,630	[2] 108,191	5,343	[2] 120,816	903	[2] 21,703	284	[2] 19,356
Inactive corporations [5]	662		268		60		36	
	Lumber		Paper		Printing		Chemicals	
Reporting net income	4,178	125,408	1,336	123,988	6,734	198,476	3,960	495,857
Less than $10,000	2,627	7,549	645	2,000	5,051	12,012	2,355	5,885
$10,000 to $100,000	1,297	43,670	509	18,476	1,344	42,365	1,136	39,320
$100,000 to $1,000,000	246	59,308	210	60,444	282	71,272	402	121,911
$1,000,000 to $5,000,000	8	14,881	21	[4] 43,068	25	45,792	52	111,202
$5,000,000 and over			1		2	27,035	15	217,479
Reporting deficit	3,353	[2] 94,895	642	[2] 18,614	3,629	[2] 34,788	2,892	[2] 110,369
Inactive corporations [5]	285		55		316		377	
	Stone, etc.		Metal		All other manufacturing		Construction	
Reporting net income	2,587	157,263	11,412	1,501,274	4,106	163,752	10,071	171,160
Less than $10,000	1,684	4,443	6,750	18,713	2,848	6,907	7,803	18,479
$10,000 to $100,000	697	23,513	3,335	116,351	1,009	33,548	1,973	59,361
$100,000 to $1,000,000	178	50,431	1,157	335,388	230	60,691	286	62,884
$1,000,000 to $5,000,000	26	64,314	134	275,209	19	34,737	7	11,873
$5,000,000 and over	2	14,562	36	755,613	2	27,869	2	18,563
Reporting deficit	1,876	[2] 28,366	8,227	[2] 241,805	3,417	[2] 58,260	6,281	[2] 59,417
Inactive corporations [5]	219		740		581		1,257	
	Transportation and other public utilities		Trade		Public service		Finance	
Reporting net income	13,655	1,588,880	74,747	1,156,870	18,287	244,464	78,100	1,522,834
Less than $10,000	11,064	20,770	60,729	149,367	15,309	30,073	63,007	140,340
$10,000 to $100,000	1,995	60,762	12,522	355,457	2,599	75,269	13,078	376,593
$100,000 to $1,000,000	597	189,995	1,404	340,927	360	82,000	1,848	467,393
$1,000,000 to $5,000,000	143	306,366	79	138,776	27	44,389	142	274,608
$5,000,000 and over	56	1,010,987	13	172,343	2	12,733	25	263,400
Reporting deficit	6,982	[2] 187,478	44,931	[2] 382,339	12,859	[2] 117,065	44,582	[2] 566,177
Inactive corporations [5]	2,075		2,682		3,047		14,743	

[1] Includes inactive concerns for 1923 to 1926.
[2] Deficit.
[3] Includes concerns not giving the nature of their business which are not shown separately.
[4] Classes grouped to conceal net income and identity of taxpayer.
[5] No income data reported.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 200.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1924 TO 1927

[All figures in thousands of dollars]

Division and State	Net income				Income tax			
	1927	1927	1927	1927	1927	1927	1927	1927
Total	7,586,652	9,583,684	9,673,403	8,981,884	881,550	1,170,331	1,229,797	1,130,674
New England	548,270	642,810	602,608	543,658	63,356	77,146	75,827	78,523
Maine	31,348	39,072	32,529	36,574	3,534	4,584	3,909	4,327
New Hampshire	8,536	10,262	9,293	11,148	930	1,169	1,065	1,240
Vermont	9,133	10,238	10,429	9,927	1,011	1,218	1,230	1,164
Massachusetts	352,210	407,769	382,932	399,971	40,796	49,269	48,500	49,174
Rhode Island	44,862	50,376	43,396	49,046	5,287	6,019	5,477	5,791
Connecticut	103,181	125,093	124,029	136,992	11,848	14,887	15,646	16,827
Middle Atlantic	3,087,596	3,821,163	4,054,794	3,701,485	364,311	473,395	521,600	472,045
New York	2,090,542	2,598,419	2,770,885	2,545,507	246,109	322,979	356,409	324,573
New Jersey	260,526	331,624	342,090	349,484	30,690	39,209	42,830	43,337
Pennsylvania	730,528	891,120	941,819	806,494	87,512	111,207	122,361	104,135
East North Central	1,894,079	2,485,901	2,420,711	2,268,164	221,511	306,991	310,224	290,040
Ohio	442,810	564,543	530,119	505,740	51,131	69,182	66,541	63,487
Indiana	114,990	135,335	129,344	115,760	12,930	15,738	15,748	13,965
Illinois	706,054	851,833	901,782	836,588	82,468	105,092	110,550	107,490
Michigan	497,940	762,997	672,422	624,658	59,869	96,056	88,183	81,971
Wisconsin	132,285	171,193	187,044	185,418	15,113	20,325	23,193	23,118
West North Central	509,494	613,465	623,441	547,185	57,417	73,180	77,507	67,238
Minnesota	111,845	131,886	130,212	117,224	12,698	15,797	16,155	14,227
Iowa	49,732	56,269	56,751	53,292	5,285	6,302	6,586	6,154
Missouri	225,899	272,484	267,510	239,671	26,039	33,347	33,948	30,281
North Dakota	5,700	7,972	6,574	5,412	443	547	422	399
South Dakota	4,793	5,257	3,437	5,230	356	426	257	387
Nebraska	26,914	30,391	27,498	26,750	2,763	3,318	3,122	2,981
Kansas	84,611	109,216	131,459	99,606	9,833	13,443	17,017	12,807
South Atlantic	513,131	791,879	741,726	699,650	58,964	95,526	93,018	87,302
Delaware	39,541	60,931	82,896	116,890	4,703	7,665	10,815	15,548
Maryland	88,493	103,665	118,166	104,118	9,847	12,753	14,934	13,189
Dist. of Columbia	47,458	64,493	65,987	55,838	5,745	8,119	8,671	7,225
Virginia	82,086	112,238	135,859	123,648	9,393	13,406	17,284	15,770
West Virginia	50,065	64,525	76,152	57,024	5,636	7,633	9,415	6,996
North Carolina	83,732	106,623	102,879	114,607	9,726	12,822	13,017	14,147
South Carolina	14,251	20,003	15,325	24,791	1,372	1,912	1,693	2,694
Georgia	50,162	67,081	61,824	70,521	5,536	7,700	7,564	8,320
Florida	62,343	102,320	82,638	32,218	7,006	23,516	9,625	3,413
East South Central	165,800	203,744	197,958	181,516	18,377	23,854	24,065	21,712
Kentucky	64,975	78,149	77,203	72,270	7,347	9,418	9,612	8,893
Tennessee	52,089	66,906	66,927	61,403	5,789	7,793	8,177	7,405
Alabama	35,539	42,930	40,662	35,667	3,905	4,979	4,861	4,172
Mississippi	13,197	15,759	13,166	12,176	1,336	1,664	1,435	1,242
West South Central	262,240	387,703	364,919	272,067	28,587	42,671	44,867	31,983
Arkansas	18,080	22,900	18,507	16,260	1,865	2,515	2,123	1,811
Louisiana	54,436	64,283	62,497	56,861	5,934	7,269	7,554	6,753
Oklahoma	39,222	73,912	84,361	56,608	3,969	8,025	10,327	6,368
Texas	150,502	206,658	199,524	142,338	16,819	24,862	24,863	17,051
Mountain	112,354	123,982	123,717	104,987	12,229	13,904	14,607	11,809
Montana	8,949	11,841	13,037	13,312	841	1,196	1,519	1,361
Idaho	6,846	9,014	7,707	5,930	680	975	837	587
Wyoming	4,412	8,188	5,233	4,920	391	884	534	492
Colorado	60,846	60,448	62,872	47,759	7,024	7,077	7,812	5,647
New Mexico	2,874	3,173	3,708	3,998	271	311	395	418
Arizona	7,413	7,679	8,813	7,780	776	814	1,011	865
Utah	19,352	21,297	18,566	17,179	2,099	2,432	2,183	1,952
Nevada	1,662	2,342	2,881	4,109	147	215	316	487
Pacific	460,622	510,317	517,006	534,145	53,119	60,810	64,600	66,246
Washington	54,809	63,839	63,300	62,700	5,851	7,122	7,280	7,222
Oregon	29,088	28,652	26,867	23,995	3,107	3,154	2,995	2,494
California	376,725	417,826	426,839	447,750	44,161	50,534	54,319	56,530
Alaska	541	572	674	678	53	60	66	63
Hawaii	31,530	22,148	25,849	28,349	3,626	2,794	3,396	3,715

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 201.—CORPORATION INCOME TAX RETURNS: ANALYSIS

NOTE.—All money figures in thousands of dollars. Corporations

Division and State or Territory	Total number of corporations	Corporations reporting net income					
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	Prior year loss deduction
1919	320,198	209,634	65.47	88,261,006	78,849,588	9,411,418	
1920	345,595	203,238	58.81	93,824,225	85,921,570	7,902,655	
1921	356,397	171,239	48.05	60,051,123	55,715,075	4,336,048	
1922	382,883	212,535	55.51	80,331,680	73,367,869	6,963,811	501,780
1923	398,933	233,339	58.49	97,457,479	89,135,950	8,321,529	578,307
1924	417,421	236,389	56.63	97,158,996	89,572,344	7,586,652	219,727
1925	430,072	252,334	58.67	113,602,083	104,108,400	9,583,684	243,079
1926	455,320	258,134	56.69	118,022,117	108,348,714	9,673,403	235,852
1927	475,031	259,849	54.70	111,324,339	103,342,455	8,981,884	244,293
New England	33,360	18,887	56.62	8,884,264	8,240,606	643,658	30,193
Maine	3,489	2,072	59.39	484,207	447,633	36,574	1,795
New Hampshire	1,227	754	61.40	149,966	138,818	11,148	883
Vermont	1,089	683	62.72	153,168	143,241	9,927	335
Massachusetts	18,182	9,907	54.49	5,575,411	5,175,440	399,971	17,197
Rhode Island	2,688	1,536	57.14	735,728	686,682	49,046	4,270
Connecticut	6,685	3,935	58.86	1,785,784	1,648,792	136,992	5,803
Middle Atlantic	140,975	77,027	54.64	45,665,737	41,964,252	3,701,485	90,076
New York	96,949	53,051	54.72	31,285,699	28,740,102	2,545,597	62,646
New Jersey	19,143	10,783	56.33	4,393,566	4,044,082	349,484	11,217
Pennsylvania	24,883	13,193	53.02	9,986,472	9,179,978	806,494	16,213
East North Central	93,592	54,274	57.99	28,372,460	26,104,296	2,268,164	45,891
Ohio	24,305	14,020	57.69	6,673,416	6,167,676	505,740	15,393
Indiana	11,463	6,821	59.51	1,582,823	1,467,063	115,760	3,306
Illinois	20,248	16,913	57.83	11,953,762	11,117,174	836,588	18,001
Michigan	14,120	7,953	56.32	5,020,512	5,304,854	624,658	6,238
Wisconsin	14,456	8,567	59.26	2,232,947	2,047,529	185,418	2,953
West North Central	52,907	29,454	55.67	8,847,102	8,299,917	547,185	11,468
Minnesota	11,101	5,910	53.24	2,409,166	2,281,942	117,224	3,555
Iowa	9,050	5,087	56.21	1,047,967	994,675	53,292	1,578
Missouri	16,370	9,017	55.08	3,441,649	3,201,978	239,671	3,959
North Dakota	3,471	1,695	48.83	160,229	154,817	5,412	403
South Dakota	3,008	1,695	55.35	151,272	146,042	5,230	431
Nebraska	4,716	2,958	62.72	967,777	941,027	26,750	553
Kansas	5,191	3,122	60.13	879,042	779,436	99,606	989
South Atlantic	47,800	24,115	50.45	7,692,560	6,992,910	699,650	22,112
Delaware	1,553	845	54.41	1,088,615	971,725	116,890	371
Maryland	5,787	3,162	54.64	1,355,004	1,250,891	104,113	2,423
District of Columbia	1,988	1,070	53.82	548,825	492,987	55,838	950
Virginia	6,485	3,795	58.52	1,013,815	890,167	123,648	1,875
West Virginia	5,239	2,928	55.89	702,213	645,189	57,024	1,234
North Carolina	6,501	3,688	56.73	1,340,347	1,225,740	114,607	5,055
South Carolina	3,713	1,768	47.62	404,553	379,762	24,791	2,982
Georgia	5,524	3,416	61.84	869,452	798,931	70,521	4,431
Florida	11,010	3,443	31.27	369,736	337,518	32,218	2,791
East South Central	17,380	10,583	60.89	2,732,080	2,551,564	181,516	6,627
Kentucky	5,718	3,397	59.41	938,354	866,084	72,270	1,831
Tennessee	5,039	3,054	60.62	1,039,656	978,253	61,403	2,450
Alabama	4,383	2,697	61.53	519,012	483,345	35,667	1,409
Mississippi	2,240	1,435	64.06	236,058	223,882	12,176	877
West South Central	27,539	15,640	56.79	4,328,375	4,056,308	272,067	14,057
Arkansas	2,660	1,626	61.10	272,395	256,135	16,260	642
Louisiana	5,817	3,219	55.34	936,032	879,171	56,861	2,598
Oklahoma	6,132	3,271	53.35	804,266	747,658	56,608	5,285
Texas	12,930	7,524	58.19	2,315,682	2,173,344	142,338	5,532
Mountain	21,129	9,849	46.61	1,694,863	1,589,876	104,987	5,020
Montana	4,020	1,837	45.70	194,574	181,262	13,312	904
Idaho	2,270	1,014	44.67	118,271	112,341	5,930	330
Wyoming	1,402	788	56.21	57,921	53,001	4,920	210
Colorado	6,863	3,144	45.81	745,766	698,007	47,759	2,050
New Mexico	1,019	495	48.58	61,856	57,858	3,998	287
Arizona	1,556	668	42.93	129,187	121,407	7,780	390
Utah	3,125	1,589	50.85	279,069	261,890	17,179	756
Nevada	874	314	35.93	108,219	104,110	4,109	84
Pacific	39,489	19,481	49.33	6,893,266	6,359,121	534,145	18,495
Washington	10,977	5,355	48.78	1,056,761	994,061	62,700	2,769
Oregon	6,359	3,028	47.69	486,618	462,923	23,695	1,441
California	22,152	11,098	50.08	5,349,887	4,902,137	447,750	14,285
Alaska	174	94	54.02	7,378	6,700	678	20
Hawaii	686	445	64.87	205,254	176,905	28,349	334

[1] No income data reported. [2] Includes war and excess-profits tax; for amount, see Table 195.

FOR UNITED STATES, 1919 TO 1927, AND BY STATES, 1927

reporting no net income include inactive corporations prior to 1927

Corporations reporting net income—Continued		Corporations reporting no net income					Inactive corporations [1]		Division and State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Deficit	Number	Per cent	
[2] 2,175,342	----------	110,564	34.54	11,657,743	12,653,289	995,546	----------	----------	1919.
[2] 1,625,235	----------	142,362	41.19	24,381,338	26,410,762	2,029,424	----------	----------	1920.
[2] 701,575	----------	185,158	51.95	31,198,150	35,076,369	3,878,219	----------	----------	1921.
[2] 783,776	----------	170,348	44.49	20,588,835	22,782,611	2,193,776	----------	----------	1922.
937,107	----------	165,594	41.51	21,106,184	23,119,739	2,013,555	----------	----------	1923.
881,550	----------	181,032	43.37	22,070,497	24,294,423	2,223,926	----------	----------	1924.
1,170,331	----------	177,738	41.33	20,568,068	22,530,696	1,962,628	----------	----------	1925.
1,229,797	----------	197,186	43.31	24,107,735	26,276,445	2,168,710	----------	----------	1926.
1,180,674	100.00	165,828	34.91	23,074,012	31,545,751	2,471,739	49,356	10.39	1927.
75,523	6.94	12,166	36.47	2,059,734	2,262,184	202,450	2,305	6.91	N. E.
4,327	.38	1,042	29.86	108,635	119,905	11,270	375	10.75	Me.
1,240	.11	399	32.57	48,475	54,574	6,099	74	6.03	N. H.
1,164	.10	348	31.06	42,801	48,432	5,571	58	5.32	Vt.
49,174	4.35	7,149	39.32	1,366,406	1,502,614	136,208	1,126	6.19	Mass.
5,791	.51	947	35.23	160,030	176,223	16,193	205	7.63	R. I.
16,827	1.49	2,283	34.15	333,327	360,436	27,109	467	6.99	Conn.
472,045	41.75	52,301	37.10	10,147,550	10,995,574	848,024	11,647	8.26	M. A.
324,573	28.71	36,108	37.25	7,054,365	7,630,990	576,625	7,790	8.03	N. Y.
43,337	3.83	6,863	35.85	808,805	891,807	83,002	1,497	7.82	N. J.
104,135	9.21	9,330	37.49	2,284,380	2,472,777	188,397	2,360	9.49	Pa.
290,040	25.65	31,341	33.49	8,658,253	9,192,000	533,747	7,977	8.52	E. N. C.
63,487	5.61	8,901	36.62	1,741,695	1,873,867	132,172	1,384	5.69	Ohio.
13,965	1.24	3,343	29.16	479,236	520,807	41,571	1,299	11.33	Ind.
107,499	9.51	10,052	34.37	4,704,386	4,950,335	185,949	2,283	7.80	Ill.
81,971	7.25	4,873	34.52	1,235,428	1,369,727	134,299	1,294	9.16	Mich.
23,118	2.04	4,172	28.86	437,508	477,264	39,756	1,717	11.88	Wis.
67,236	5.95	16,532	31.25	2,042,618	2,210,545	167,927	8,921	13.08	W. N. C.
14,227	1.26	3,693	33.27	343,390	379,788	36,398	1,498	13.49	Minn.
6,154	.54	2,592	28.64	248,748	267,938	19,190	1,371	15.15	Iowa.
30,281	2.68	5,627	34.38	970,500	1,037,460	66,960	1,726	10.54	Mo.
399	.04	943	27.17	35,829	38,979	3,150	833	24.00	N. Dak.
387	.03	704	23.41	28,127	31,021	2,894	639	21.24	S. Dak.
2,981	.27	1,296	27.48	120,555	130,017	9,462	462	9.80	Nebr.
12,807	1.13	1,677	32.32	295,469	325,342	29,873	392	7.55	Kans.
87,302	7.72	18,042	37.74	1,750,637	2,003,010	252,373	5,643	11.81	S. A.
15,548	1.38	485	31.23	97,435	120,267	22,832	223	14.36	Del.
13,189	1.17	1,882	32.52	222,922	259,910	36,988	743	12.84	Md.
7,225	.64	695	34.96	90,086	98,820	8,734	223	11.22	D. C.
15,770	1.39	2,137	32.95	267,002	289,533	22,531	553	8.53	Va.
6,996	.62	1,825	34.83	173,152	196,225	23,073	486	9.28	W. Va.
14,147	1.25	2,308	35.50	190,775	207,188	16,413	505	7.77	N. C.
2,694	.24	1,548	41.69	106,947	115,559	8,612	397	10.69	S. C.
8,320	.73	1,830	33.29	229,623	249,010	19,387	269	4.87	Ga.
3,413	.30	5,323	48.35	372,695	466,498	93,803	2,244	20.38	Fla.
21,712	1.92	5,255	30.24	631,500	681,753	50,253	1,542	8.87	E. S. C.
8,893	.79	1,691	29.57	157,883	172,377	14,494	630	11.02	Ky.
7,405	.65	1,577	31.28	256,920	275,465	18,545	408	8.10	Tenn.
4,172	.37	1,313	29.96	138,880	148,233	9,353	373	8.51	Ala.
1,242	.11	674	30.09	77,817	85,678	7,861	131	5.85	Miss.
31,983	2.83	9,419	34.20	1,364,482	1,507,856	143,374	2,480	9.01	W. S. C.
1,811	.16	884	33.26	113,687	125,794	12,107	150	5.64	Ark.
6,753	.60	2,092	35.96	316,041	344,364	28,323	506	8.70	La.
6,368	.56	2,090	34.08	366,858	412,499	45,641	771	12.57	Okla.
17,051	1.51	4,353	33.67	567,896	625,199	57,303	1,053	8.14	Tex.
11,809	1.05	6,103	28.89	554,699	623,671	68,972	5,177	24.50	Mt.
1,361	.12	983	24.45	48,014	57,357	9,343	1,200	29.85	Mont.
587	.05	564	24.85	53,184	59,099	5,915	692	30.48	Idaho.
492	.05	413	29.45	22,990	26,846	3,856	201	14.34	Wyo.
5,647	.50	2,291	33.38	292,356	320,073	27,717	1,428	20.81	Colo.
418	.04	283	27.77	16,840	19,588	2,748	241	23.65	N. M.
865	.08	403	25.90	30,332	36,676	6,344	485	31.17	Ariz.
1,952	.17	913	29.22	79,433	89,070	9,637	623	19.93	Utah.
487	.04	253	28.95	11,550	14,962	3,412	307	35.12	Nev.
66,246	5.86	14,414	36.50	1,830,194	2,032,076	201,882	5,594	14.17	Pac.
7,222	.64	3,748	34.15	348,218	382,215	33,997	1,874	17.07	Wash.
2,494	.22	2,172	34.20	210,568	232,304	21,736	1,150	18.11	Oreg.
56,530	5.00	8,494	38.32	1,271,408	1,417,557	146,149	2,570	11.60	Calif.
63	.01	48	27.59	1,441	1,078	537	32	18.39	Alaska.
3,715	.32	203	20.59	32,904	35,104	2,200	38	5.54	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 202.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS

NOTE.—All money figures in thousands of dollars. Tax includes war and excess profits tax prior to 1923

Year	Corporations reporting net income			Corporations reporting no net income[2]		Corporations reporting net income			Corporations reporting no net income[2]	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Agriculture and related industries					Mining and quarrying				
1919	4,442	93,509	19,521	3,856	29,337	5,272	432,624	75,082	13,197	180,954
1920	3,874	71,480	17,170	5,312	66,140	6,933	702,074	174,596	10,601	176,505
1921	3,146	40,718	6,002	5,578	88,563	4,365	185,134	31,969	13,295	414,489
1922	4,000	62,901	6,522	5,092	56,091	6,130	286,437	31,400	10,963	280,456
1923	3,914	92,201	9,791	5,446	49,930	5,175	289,566	30,777	13,334	334,254
1924	4,530	64,230	6,733	5,228	62,498	4,893	240,142	28,389	13,560	307,091
1925	4,662	76,862	8,604	5,242	59,215	5,488	453,600	55,049	13,675	209,957
1926	4,698	70,812	8,175	5,990	55,665	6,006	455,798	57,308	13,246	183,474
1927	4,445	78,577	9,053	4,460	61,894	5,232	276,309	34,898	7,804	246,924
	Manufacturing									
	Total[1]					Food products, beverages, and tobacco				
1919	51,903	5,219,345	1,359,198	15,949	366,746	9,134	619,825	150,896	3,198	91,428
1920	49,425	4,116,424	944,960	28,746	834,146	7,551	404,847	90,538	6,167	183,895
1921	37,080	1,777,786	351,770	42,718	1,898,831	7,207	310,176	65,676	6,570	309,162
1922	48,697	3,454,420	389,776	33,788	813,413	8,359	447,671	50,667	5,723	150,306
1923	53,795	4,271,809	484,864	31,404	701,012	8,666	506,924	55,646	5,487	124,176
1924	51,342	3,595,675	429,653	35,461	832,203	9,080	536,852	63,376	5,362	95,715
1925	54,137	4,383,357	546,741	34,537	682,255	9,303	533,472	66,587	5,419	91,512
1926	55,094	4,494,790	584,507	38,150	786,687	9,239	592,440	77,147	6,266	95,309
1927	53,620	3,938,647	507,735	36,196	851,053	9,232	585,820	75,794	5,630	108,191
	Textiles and textile products					Leather and leather products				
1919	7,356	912,379	273,022	1,113	8,865	1,620	241,384	74,177	229	2,028
1920	5,545	488,613	121,770	4,576	166,646	1,280	61,028	14,811	932	103,922
1921	5,312	327,356	67,216	5,560	189,439	981	57,065	11,815	1,203	105,909
1922	6,973	535,107	62,500	4,452	78,311	1,330	88,641	10,414	954	24,811
1923	7,678	563,412	65,435	4,093	71,845	1,321	72,388	8,248	982	36,126
1924	6,836	316,928	37,651	5,393	188,104	1,341	70,319	8,037	1,087	31,876
1925	7,504	413,115	48,814	4,767	114,772	1,373	76,023	9,169	986	28,895
1926	7,708	314,049	39,829	5,728	195,164	1,413	73,859	9,358	1,078	27,436
1927	8,240	417,484	50,341	5,343	120,816	1,448	99,072	12,229	903	21,703
	Rubber and rubber goods					Lumber and wood products				
1919	407	126,832	29,871	253	4,723	5,438	284,224	67,080	1,176	19,371
1920	279	26,678	3,748	392	31,575	5,300	321,270	78,960	1,965	27,169
1921	196	5,102	815	445	101,562	2,984	70,511	11,247	3,749	120,220
1922	284	41,930	2,286	309	24,563	4,545	207,996	22,699	2,366	48,282
1923	273	45,924	2,840	334	21,563	5,250	290,050	33,457	2,132	32,587
1924	325	56,900	5,662	313	15,345	4,750	178,869	21,090	2,913	67,754
1925	349	122,066	15,412	289	13,942	4,657	200,316	24,667	2,976	53,116
1926	339	37,501	4,867	341	24,764	4,591	172,972	21,907	3,271	69,199
1927	335	70,253	8,849	284	19,356	4,178	125,408	15,612	3,353	94,295
	Paper, pulp, and products					Printing and publishing				
1919	1,242	129,235	30,040	272	4,604	5,720	128,968	31,756	1,461	8,992
1920	1,349	241,616	72,302	344	4,035	6,393	163,160	42,250	1,695	13,709
1921	730	44,882	7,584	946	49,179	5,386	124,157	27,183	3,046	26,680
1922	1,086	84,025	9,481	683	22,409	5,771	184,716	21,745	2,939	23,020
1923	1,240	109,909	12,233	575	14,932	6,183	165,947	19,429	3,040	23,627
1924	1,204	92,674	10,675	682	18,361	6,278	175,972	20,802	3,340	28,455
1925	1,288	111,186	14,004	652	12,137	6,523	190,909	23,375	3,397	29,505
1926	1,365	120,460	15,610	659	14,362	6,931	203,507	25,857	3,614	31,006
1927	1,386	123,988	16,004	642	13,614	6,734	198,476	25,123	3,629	34,788
	Chemicals and allied substances					Stone, clay, and glass products				
1919	3,376	451,771	110,586	1,726	28,064	2,338	107,048	24,389	882	11,159
1920	3,047	441,370	98,163	2,779	96,440	2,661	151,173	37,360	1,001	8,287
1921	2,502	158,217	29,598	3,422	132,881	1,998	69,756	12,032	1,683	26,260
1922	3,512	461,221	54,056	2,605	66,158	2,459	125,692	14,938	1,431	16,586
1923	3,472	419,584	49,426	2,845	94,158	2,889	187,844	22,113	1,321	14,374
1924	3,640	466,184	56,650	2,961	78,309	2,735	162,403	19,152	1,621	17,944
1925	3,951	623,278	78,393	3,011	82,352	2,753	181,547	22,853	1,701	17,846
1926	4,076	785,155	102,904	3,210	69,279	2,762	195,166	25,542	1,844	22,112
1927	3,960	495,857	64,767	2,892	110,369	2,587	157,263	20,564	1,876	28,356

[1] Includes all other manufacturing not shown separately.
[2] Includes inactive concerns prior to 1927; for number of inactive concerns in 1927 see Table 199.

No. 202.—Corporation Income Tax Returns: Number, Net Income, and Tax, by Industrial Groups—Continued

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Manufacturing—Continued					Construction				
	Metals and metal products									
1919	9,689	1,789,213	457,252	3,429	119,834	5,927	162,464	67,219	2,315	21,862
1920	10,135	1,411,647	298,858	4,996	136,757	7,010	113,552	33,179	2,950	28,209
1921	5,468	437,367	90,308	10,068	666,002	6,041	67,335	13,595	4,320	51,507
1922	8,397	906,956	98,760	7,477	272,040	6,997	91,724	9,653	4,373	52,529
1923	10,168	1,427,496	160,771	6,072	178,081	8,151	112,004	11,439	4,400	42,809
1924	11,227	1,340,597	162,979	8,943	244,779	8,701	132,704	13,912	4,475	42,011
1925	12,760	1,756,763	221,973	8,769	201,445	9,701	156,491	17,581	5,637	43,346
1926	11,989	1,803,444	237,077	8,065	192,574	10,075	162,569	19,146	6,695	53,621
1927	11,412	1,501,274	198,066	8,227	241,305	10,071	171,160	20,078	6,281	50,417
	Transportation and other public utilities					Trade				
1919	14,104	963,059	130,290	6,443	84,109	58,952	1,448,290	363,802	11,207	68,946
1920	12,922	829,131	98,623	7,677	150,505	52,278	911,173	192,613	26,667	339,482
1921	11,831	821,871	101,022	7,274	323,369	42,800	571,945	96,742	45,370	626,828
1922	13,690	979,264	119,481	6,821	196,480	59,791	1,014,013	107,041	35,892	318,693
1923	14,269	1,257,410	150,999	6,844	125,650	68,186	1,197,926	128,536	32,460	264,797
1924	14,565	1,232,012	148,278	7,866	137,753	68,112	1,098,586	120,649	37,211	296,517
1925	14,862	1,468,693	186,314	8,751	134,744	71,910	1,254,046	145,350	37,678	287,506
1926	15,444	1,723,399	228,662	9,656	120,174	71,403	1,165,558	140,522	41,302	330,998
1927	13,855	1,588,880	210,878	6,982	197,472	74,747	1,156,870	137,352	44,031	362,339
	Public service					Finance—Banking, insurance, etc.				
1919	11,302	123,311	25,827	4,331	20,470	52,275	848,284	107,938	28,538	145,149
1920	11,914	145,491	31,547	5,576	29,199	55,484	933,304	119,002	23,418	293,936
1921	10,694	104,873	19,269	8,409	45,939	54,122	739,297	76,271	28,736	363,166
1922	13,494	148,367	16,262	9,651	59,615	58,646	887,835	99,008	32,459	397,661
1923	15,482	188,368	20,377	9,632	59,141	62,654	868,083	95,114	34,118	410,813
1924	15,495	202,165	22,131	10,825	66,650	67,089	995,124	109,444	37,672	460,597
1925	16,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,219
1926	17,755	260,981	31,040	14,502	103,772	76,819	1,336,893	160,215	53,614	528,032
1927	18,287	244,464	28,626	12,859	117,065	78,100	1,522,834	181,706	44,582	566,177

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 203.—CORPORATION INCOME TAX RETURNS: Number, Income, and Tax, by Industrial Groups and Industries, 1927

Note.—**All money figures in thousands of dollars.** For totals for all corporations see Table 201; for number of inactive corporations for major groups, see Table 199. Group totals include industries not shown separately.

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Agriculture and related industries	4,445	633,782	78,577	9,053	4,460	188,645	61,894
Mining and quarrying	5,232	2,259,850	276,309	34,898	7,804	1,576,986	246,924
Metal mining	310	536,296	73,011	9,476	818	354,812	33,607
Coal, peat, coke, etc	1,087	784,792	61,556	7,765	2,044	632,527	81,855
Oil and gas	1,606	483,934	63,661	7,612	2,420	486,320	95,165
Manufacturing	53,620	50,134,091	3,938,647	507,735	36,196	13,588,788	851,053
Food products, beverages, and tobacco	9,232	9,702,209	585,820	75,794	5,630	4,212,283	108,191
Bakery and confectionery products	1,887	1,301,450	113,818	14,703	1,271	258,643	15,650
Canned products—fish, fruits, vegetables, poultry, etc	846	646,633	51,252	6,527	787	139,240	16,888
Mill products—bran, flour, feed, etc	912	1,272,923	42,153	5,209	481	213,569	5,550
Packing-house products—fresh meats, ham, lard, bacon, meat canning, etc	425	1,927,172	28,805	3,734	257	3,064,944	20,867
Sugar—beet, cane, maple, and products	98	791,079	34,918	4,432	102	131,918	18,453
Soft drinks—wine, cereal beverages, mineral water, etc	3,690	2,235,424	129,278	16,398	1,623	301,990	14,747
Tobacco, cigarettes, cigars, snuff, etc	1,113	349,750	60,822	7,955	940	78,452	13,561

No. 203.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1927—Continued

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Manufacturing—Continued.							
Textiles and textile products	8,240	6,285,401	417,484	50,341	5,343	1,522,067	120,816
Cotton goods—dress goods, plain cloth, napping, dyeing, etc.	672	1,204,845	102,108	11,458	308	190,392	26,266
Woolen and worsted goods—wool yarn, wool carpets, wool pulling, etc.	305	502,063	24,788	2,787	266	185,149	16,058
Silk and rayon goods	403	558,082	60,990	7,961	408	268,660	15,223
Carpets, floor coverings, tapestries, etc.	65	174,323	15,322	2,040	58	35,658	2,826
Clothing—custom-made, factory-made, coats, underwear, etc.	3,998	1,903,386	82,747	10,154	2,050	471,703	27,202
Knit goods—sweaters, hosiery, etc.	714	631,518	41,154	5,245	434	104,297	9,019
Leather and leather products	1,448	1,415,200	99,072	12,229	903	316,039	21,703
Boots, shoes, slippers, etc.	741	909,373	65,684	8,124	512	194,498	12,769
Gloves, saddlery, harness, trunks, finishing and tanning leather, etc.	707	505,827	33,388	4,105	391	121,541	8,934
Rubber and related products	335	1,039,525	70,253	8,849	284	407,272	19,356
Auto tires, tubes, etc.	64	828,354	51,398	6,431	96	372,652	15,276
Rubber boots, shoes, hose, etc.	210	168,915	15,930	2,056	128	25,447	3,006
Bone, celluloid, and ivory products	61	42,256	2,925	362	60	9,173	1,074
Lumber and wood products	4,178	1,029,814	125,408	15,612	3,353	874,474	94,295
Sawmill and planing-mill products	1,769	934,595	62,233	7,806	1,683	545,309	56,540
Carriages, wagons, furniture, etc.	2,409	995,219	63,175	7,806	1,670	329,165	37,755
Paper, pulp, and products	1,386	1,401,780	123,988	16,064	642	267,600	13,614
Printing and publishing	6,734	2,185,713	198,476	25,123	3,629	380,417	34,788
Chemicals and allied substances	3,960	6,799,331	495,857	64,767	2,892	1,969,078	110,369
Petroleum and mineral oil refining	267	3,438,864	157,388	20,812	310	1,598,043	66,938
Chemicals proper	230	835,035	84,774	11,348	162	24,017	4,649
Allied chemical substances—drugs, oils, paints, soaps, etc.	3,223	2,439,117	248,117	31,977	2,317	276,324	31,679
Fertilizers	165	86,315	5,578	630	103	69,794	7,103
Stone, clay, glass, and related products	2,587	1,357,109	157,263	20,564	1,876	243,350	28,356
Metal products and processes	11,412	16,256,966	1,501,274	198,066	8,227	2,928,373	241,305
Iron and steel blast furnaces, rolling mills, foundries, etc.	1,879	4,097,867	247,522	32,599	1,083	681,450	36,664
Locomotives and railroad equipment	119	418,409	36,579	4,841	72	30,210	4,145
Motor vehicles, complete or parts	520	3,758,737	397,988	53,470	505	883,830	77,468
Factory machinery	778	548,269	70,555	8,923	545	111,960	11,010
Agricultural machinery and equipment	266	539,231	76,519	10,129	186	53,460	5,027
Electrical machinery and equipment	649	1,140,097	118,634	15,332	471	95,013	9,863
Building and construction, gas, and mining machinery and equipment	1,556	1,221,044	116,380	15,223	1,190	259,553	23,136
Household equipment, etc.	535	551,340	72,747	9,697	427	83,511	12,027
Office equipment, etc.	188	361,477	52,029	7,003	137	60,113	4,818
Metal building material and equipment	788	705,167	62,749	8,145	678	125,132	11,937
Hardware, tools, etc.	1,111	798,939	106,728	13,928	866	204,985	14,777
Precious-metal products and processes, jewelry, etc.	572	333,364	24,830	3,201	365	66,994	7,100
Radios, complete or parts	137	94,578	9,786	1,049	206	37,585	7,291
Construction	10,071	2,413,184	171,160	20,078	6,281	642,410	59,417
Building and construction above ground installing machinery, wrecking, razing, etc.	6,000	1,222,239	70,437	7,918	4,209	321,566	26,952
Other construction underground and on surface—bridge building, water-front construction, etc.	3,349	1,124,011	98,089	11,848	1,958	261,349	25,972
Ship building and repairing	122	66,934	2,634	312	114	59,495	6,493
Transportation and other public utilities	13,855	12,844,090	1,588,880	210,878	6,982	2,295,882	197,472
Steam railroads	305	6,164,695	592,136	79,753	301	985,490	66,171
Electric railways, Pullman cars, refrigerator, stock and fruit cars, and lessors	480	703,979	138,661	18,489	326	214,056	25,398
Water transportation and related branches	1,007	275,870	40,941	5,197	692	131,836	25,913
Aerial transportation	54	2,831	571	68	82	1,865	750
Auto bus lines, taxicabs, and sight-seeing companies	1,006	135,845	9,156	992	941	75,131	10,320
Cartage and storage, food storage, packing and shipping, etc.	4,396	815,243	46,305	5,167	2,407	156,876	17,814
Electric light and power companies	1,145	1,477,761	272,629	36,067	319	380,189	23,690
Gas companies, artificial and natural	390	571,840	96,630	12,981	165	16,164	2,767
Telephone and telegraph companies	3,187	1,770,218	259,719	34,681	944	11,081	2,065
Radio broadcasting companies	30	66,121	9,829	1,322	58	7,242	1,181
Water companies	1,121	76,290	18,110	2,267	362	12,114	2,632

No. 203.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1927—Continued

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Trade	**74,747**	**33,512,876**	**1,156,870**	**137,352**	**44,931**	**7,430,840**	**362,339**
Wholesale	15,215	12,776,214	311,280	36,870	7,878	2,950,359	104,548
Retail	40,087	13,857,075	599,253	71,952	25,857	2,861,017	167,818
Wholesale and retail	6,707	3,455,665	117,661	14,170	3,213	802,145	33,038
Commission	3,891	1,667,615	59,139	6,933	2,578	366,343	10,954
Service	**18,287**	**2,680,916**	**244,464**	**28,626**	**12,859**	**906,079**	**117,065**
Domestic service—laundries, hotels, restaurants, etc	5,894	1,083,845	72,896	8,270	4,673	479,389	51,381
Amusements	3,725	772,525	80,861	9,766	3,104	242,172	36,952
Theaters, legitimate, vaudeville, etc	515	190,248	19,657	2,317	397	30,598	7,829
Motion-picture producers	116	191,385	16,247	2,100	130	48,041	8,215
Motion-picture theaters	1,263	255,798	27,225	3,296	827	80,973	8,274
Other amusements—circuses, golf links, race tracks, etc	1,831	135,094	17,732	2,052	1,750	64,560	12,634
Professional service—curative, educational, legal, etc	3,490	247,957	32,570	3,741	2,192	69,032	13,088
Business service—detective bureaus, trade shows, mimeographing, electrical advertising, etc	2,795	467,170	47,269	5,820	1,648	77,703	9,314
Finance	**78,100**	**10,797,010**	**1,522,834**	**181,706**	**44,582**	**2,407,046**	**566,177**
National banks	5,516	1,039,214	161,262	19,920	2,409	256,349	32,109
State and private banks, savings banks, loan and trust companies	13,628	1,784,792	284,612	35,495	4,671	273,341	51,352
Stock and bond brokers, investment bankers	1,256	2,451,569	104,444	13,405	515	422,390	21,657
Financing retail sales of automobiles, pianos, radios, etc	610	51,296	11,095	1,351	251	12,752	4,001
Realty development, holding, etc	43,928	2,273,475	517,274	58,722	31,697	846,564	320,324
Insurance companies	1,295	2,069,984	254,425	30,095	589	340,624	63,045
Life insurance companies	435	724,600	137,037	17,076	97	5,855	670
Other insurance companies	860	1,345,384	117,388	13,019	492	334,769	62,375

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 204.—ASSETS AND LIABILITIES OF CORPORATIONS: As of December 31, 1926 and 1927, or at Close of Fiscal Year Nearest Thereto

[All money figures in millions of dollars]

	Total [1]		Agriculture		Mining and quarrying		Manufacturing	
	1926	1927	1926	1927	1926	1927	1926	1927
Number of corporations submitting balance sheets	369,449	379,156	(2)	7,195	(2)	11,298	(2)	84,776
Assets, total	**[3] 262,179**	**287,542**	**2,050**	**2,177**	**12,172**	**11,565**	**64,727**	**65,582**
Cash [4]	16,802	16,851	48	57	409	360	3,528	3,525
Notes receivable	6,725	[5] 32,365	70	75	152	112	1,689	1,235
Accounts receivable [6]	16,826	18,594	122	122	610	591	6,877	7,712
Inventory	20,939	21,005	118	217	636	681	12,284	11,884
Tax-exempt investments	8,694	9,781	16	31	299	262	1,822	2,035
Real estate, buildings, and equipment (less depreciation)	97,524	104,945	1,242	1,230	7,967	7,495	26,619	26,007
Miscellaneous [7]	[3] 94,669	84,001	434	445	2,099	2,064	11,908	13,184
Liabilities, total	**[3] 262,179**	**287,542**	**2,050**	**2,177**	**12,172**	**11,565**	**64,727**	**65,582**
Notes payable	13,204	13,021	202	263	443	483	4,024	3,707
Accounts payable	10,838	11,105	115	125	459	435	3,192	3,583
Bonded debt and mortgages	[3] 31,801	34,740	114	178	1,098	912	4,310	4,806
Miscellaneous [8]	[3] 87,076	96,274	248	327	1,910	1,632	6,898	5,377
Capital stock	84,663	91,881	1,071	1,082	6,714	6,240	31,411	31,553
Preferred	17,146	17,800	97	176	538	585	7,431	7,359
Common	67,517	74,081	974	906	6,176	5,655	23,980	24,194
Surplus	*39,154*	*45,414*	*864*	*878*	*2,455*	*2,618*	*16,189*	*17,896*
Less deficit	*4,557*	*4,893*	*154*	*176*	*817*	*755*	*1,927*	*1,400*
Net surplus	34,597	40,521	210	202	1,638	1,863	14,862	16,496

For footnotes, see p. 200.

No. 204.—Assets and Liabilities of Corporations: As of December 31, 1926 and 1927, or at Close of Fiscal Year Nearest Thereto—Con.

[All money figures in millions of dollars]

	Major manufacturing groups, 1927									
	Food, etc.	Textiles	Leather	Rubber	Lumber	Paper	Printing	Chemicals	Stone	Metals
Number of corporations submitting balance sheets	13,577	13,018	2,272	582	7,230	1,975	9,403	6,399	4,224	18,924
Assets, total	9,089	6,664	1,229	1,561	3,794	2,182	2,561	12,041	2,259	21,766
Cash [4]	512	365	75	78	125	91	139	531	116	1,367
Notes receivable	112	85	16	15	115	23	52	175	40	520
Accounts receivable [6]	979	1,016	255	268	444	258	370	1,061	207	2,462
Inventory	1,824	1,859	422	331	740	208	219	1,465	320	3,901
Tax-exempt investments	170	245	21	15	62	43	85	292	79	872
Real estate, buildings, and equipment (less depreciation)	3,493	2,386	276	462	1,766	1,032	810	5,187	1,219	8,684
Miscellaneous [7]	1,999	708	164	392	542	437	886	3,330	278	3,964
Liabilities, total	9,089	6,664	1,229	1,561	3,794	2,182	2,561	12,041	2,259	21,776
Notes payable	660	604	116	62	441	98	199	308	113	986
Accounts payable	555	493	89	186	225	102	192	513	89	984
Bonded debt and mortgages	882	234	30	247	161	277	237	773	127	1,725
Miscellaneous [8]	572	466	88	95	324	159	267	1,163	115	1,858
Capital stock	4,614	3,370	682	715	1,555	1,061	1,013	6,127	1,225	9,967
Preferred	1,329	856	212	258	210	228	222	859	282	2,566
Common	3,285	2,523	470	457	1,345	833	791	5,268	943	7,401
Surplus	*2,009*	*1,726*	*264*	*273*	*1,218*	*511*	*738*	*3,325*	*636*	*6,610*
Less deficit	*205*	*237*	*40*	*17*	*125*	*26*	*75*	*168*	*46*	*368*
Net surplus	1,806	1,488	224	256	1,088	485	663	3,157	590	6,241

	Construction		Transportation and other public utilities		Trade		Public service		Finance, banking, insurance, etc.	
	1926	1927	1926	1927	1926	1927	1926	1927	1926	1927
Number of corporations submitting balance sheets	(2)	14,955	(2)	16,858	(2)	110,280	(2)	25,388	(2)	106,616
Assets, total	2,358	2,739	57,245	66,559	19,140	20,083	4,873	5,618	[3] 99,452	112,917
Cash [4]	213	191	1,358	1,549	1,163	1,198	300	240	9,777	9,727
Notes receivable	99	119	297	326	835	841	94	131	3,478	[5] 29,507
Accounts receivable [6]	570	623	1,231	1,790	4,797	4,774	290	328	2,312	2,624
Inventory	273	306	942	1,024	5,569	5,631	184	177	923	1,068
Tax-exempt investments	48	78	285	272	357	403	42	37	5,823	6,652
Real estate, buildings, and equipment (less depreciation)	654	743	40,699	46,487	4,080	4,309	2,783	3,340	13,429	15,252
Miscellaneous [7]	501	679	12,433	15,111	2,339	2,927	1,180	1,365	[3] 63,710	48,094
Liabilities, total	2,358	2,739	57,245	66,559	19,140	20,083	4,873	5,618	[3] 99,452	112,917
Notes payable	291	290	1,139	1,199	2,574	2,613	523	508	3,900	3,853
Accounts payable	354	401	1,198	1,404	2,422	2,433	298	361	2,781	2,326
Bonded debt and mortgages	253	238	[3] 19,931	20,542	583	846	842	1,163	4,740	6,047
Miscellaneous [8]	524	646	[3] 8,466	10,524	1,501	1,501	651	662	[3] 66,862	75,372
Capital stock	639	738	20,466	25,296	8,558	8,858	1,963	2,188	13,733	15,725
Preferred	85	101	4,856	4,927	1,722	1,837	447	502	1,956	2,286
Common	554	637	15,611	20,369	6,836	7,021	1,516	1,686	11,777	13,439
Surplus	*402*	*519*	*6,690*	*8,256*	*4,098*	*4,428*	*788*	*962*	*8,139*	*10,317*
Less deficit	*85*	*93*	*645*	*662*	*591*	*596*	*199*	*226*	*703*	*923*
Net surplus	317	426	6,045	7,594	3,502	3,832	596	736	7,436	9,394

[1] Includes nominal concerns, nature of business not given, not shown separately.
[2] Not available. [3] Corrected figure. [4] In till and deposits in banks.
[5] Includes loans and discounts from bank statements which were included in miscellaneous assets in 1926.
[6] Less reserve for bad debts.
[7] Includes the following items: Investments in affiliated companies; stocks and bonds other than tax-exempt obligations; loans, mortgages, etc., except loans and discounts reported by banks in 1927 which are included in notes receivable; patents, good will, formulas, trademarks, etc.
[8] Includes the following items: Reserves; accrued expenses; unadjusted credits; deposits (time, saving, demand, etc.) reported by banks, reserves, other funds, capital stock, and surplus for life-insurance companies.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 205.—PERSONAL INCOME TAX RETURNS: ANALYSIS

NOTE.—See headnote, Table 195

[All money figures, except as indicated, in millions of dollars]

	1919	1920	1921	1922	1923	1924	1925	1926	1927
Total income	22,438	26,691	23 329,	24, 872	29, 248	29, 579	25, 272	25, 447	26, 209
Wages and salaries	10, 756	15, 270	13, 813	13, 694	14, 195	13, 618	9, 742	9, 994	10, 218
Business	3, 878	3, 206	2, 366	2, 840	4, 723	4, 755	3, 689	3, 573	3, 287
Partnerships [1]	1, 831	1, 701	1, 341	1, 427	1, 676	1, 810	1, 827	1, 733	1, 755
Profits from sales of real estate, stocks, bonds, etc	999	1, 021	463	[2] 742	[2] 863	[2] 1, 125	[2] 1, 992	[2] 1, 466	[2] 1, 813
Rents and royalties	1, 019	1, 047	1, 178	1, 225	1, 814	2, 010	1, 471	1, 451	1, 302
Interest and investment income [1]	1, 437	1, 648	1, 643	1, 997	2, 507	2, 591	2, 120	2, 270	2, 448
Items exempt from normal tax	2. 517	2, 797	2, 524	2, 948	3, 469	3, 670	4, 431	4, 962	[3] 5, 383
Dividends	2, 454	2, 736	2, 477	2, 664	3, 120	3, 251	3, 465	4, 012	4, 255
Interest on Gov't obligations	63	62	47	34	44	30	26	37	47
Capital net gain from sale of assets held over 2 years				249	305	389	940	913	[4] 1, 081
General deductions, including contributions, etc	2, 578	2, 955	3, 752	3, 536	4, 470	3, 923	3, 377	3, 489	3, 663
Net income	19, 860	23, 736	19, 577	21, 336	24, 777	25, 656	21, 895	21, 959	22, 545
Net loss for prior year				45	34	30	32	27	37
Exemptions from normal tax	11, 941	15, 632	16, 716	17, 649	20, 743	19, 999	16, 658	17, 086	17, 375
Personal exemption and credit for dependents	9, 424	12, 835	14, 192	14, 702	17, 275	16. 329	12, 228	12, 124	12, 001
Above items exempt from normal tax	2, 517	2, 797	2, 524	2, 947	3, 469	3, 670	4, 430	4, 962	5, 374
Less exemptions in excess of net income	*449*	*702*	*2, 714*	*2. 740*	*2, 862*	*2, 375*	*1, 506*	*1, 823*	*1, 891*
Net exemptions	11, 493	14, 930	14, 002	14, 909	17, 881	17, 624	15, 153	15, 263	15, 484
Net income subject to normal tax	8, 367	8, 806	5, 575	6, 382	6, 862	8, 003	6, 711	6, 669	7, 024
Normal tax	468	478	308	355	284	258	216	201	216
Surtax	802	597	411	475	349	438	433	448	512
Net tax on capital net gain from sale of assets held over 2 years [5]				31	29	39	110	108	128
Less tax credit of 25 per cent of tax on earned net income						*31*	*25*	*25*	*25*
Net tax	1, 270	1, 075	719	861	662	704	735	732	831
Number of returns (thous.)	5, 333	7, 260	6, 662	6, 787	7, 698	7, 370	4, 171	4, 138	4, 102
Average net income per return	$3, 724	$3, 269	$2, 939	$3, 143	$3, 219	$3, 481	$5, 249	$5, 306	$5, 497
Average tax per return	$238	$148	$108	$127	$86	$96	$176	$177	$203
Averages per *capita* of total population:									
Net income returned	$187	$224	$185	$195	$223	$228	$189	$186	$189
Tax	$11. 98	$10. 14	$6. 79	$7. 86	$5. 96	$6. 27	$6. 35	$6. 23	$6. 98

[1] Income from fiduciaries included with partnerships in 1919 to 1921; other years, with interest and investment income.

[2] Exclusive of capital net gain from sales of assets held over 2 years.

[3] $9,000,000 should be deducted from this amount to give the amount exempt from normal tax, see note 4.

[4] The amount here shown is subject to a deduction of $9,000,000 loss in ordinary net income to give the amount exempt from normal tax but taxable at 12½ per cent.

[5] For 1922 and 1923, figures represent tax of 12½ per cent on capital net gain from sale of assets held over 2 years; thereafter, net tax after deducting from this amount tax credit of 12½ per cent on capital net loss from such sales. Prior to 1924, the amount of loss from the sale of capital assets held over 2 years was included in general deductions.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 206.—PERSONAL INCOME TAX RETURNS: By Income Classes

Note.—See headnote, Table 195. The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 205 and 207

Income class (net income)	1921	1922	1923	1924	1925	1926	1927
Number of returns	6,662,176	6,787,481	7,698,321	7,369,788	4,171,051	4,138,092	4,101,547
Under $1,000	401,849	402,076	368,502	344,876	98,178	119,513	126,745
$1,000 to $2,000	2,440,544	2,471,181	2,523,150	2,413,881	1,071,992	1,045,519	906,098
$2,000 to $3,000	2,222,031	2,129,898	2,472,641	2,112,993	842,528	837,792	855,762
$3,000 to $5,000	1,072,146	1,190,115	1,710,626	1,800,900	1,327,683	1,240,400	1,209,345
$5,000 to $10,000	353,247	391,373	387,842	437,330	503,652	560,549	567,700
$10,000 to $25,000	132,344	151,320	170,095	191,216	236,779	246,730	252,079
$25,000 to $50,000	28,946	35,478	39,832	47,061	59,721	57,487	60,123
$50,000 to $100,000	8,717	12,000	12,453	15,816	20,958	20,520	22,573
$100,000 to $150,000	1,367	2,171	2,339	3,065	4,759	4,724	5,261
$150,000 to $300,000	739	1,323	1,301	1,876	3,223	3,267	3,873
$300,000 to $500,000	162	309	327	457	892	892	1,141
$500,000 to $1,000,000	63	161	141	242	479	468	557
$1,000,000 and over	21	67	74	75	207	231	290
	In thousands of dollars						
Net income	19,577,213	21,336,213	24,777,466	25,656,153	21,894,576	21,958,506	22,545,091
Under $1,000	213,850	247,564	252,513	235,452	58,306	67,238	72,231
$1,000 to $2,000	3,620,702	3,630,571	3,693,642	3,564,474	1,774,601	1,747,017	1,645,576
$2,000 to $3,000	5,325,931	5,153,497	6,073,444	5,277,147	2,047,970	2,042,903	2,062,276
$3,000 to $5,000	4,054,891	4,500,558	6,469,195	6,827,924	5,236,003	4,872,789	4,700,816
$5,000 to $10,000	2,378,759	2,641,905	2,653,026	2,991,188	3,463,852	3,838,954	3,895,759
$10,000 to $25,000	1,958,156	2,255,872	2,538,079	2,855,397	3,544,898	3,660,623	3,748,058
$25,000 to $50,000	979,629	1,208,274	1,350,680	1,599,848	2,032,239	1,954,653	2,051,771
$50,000 to $100,000	582,230	805,224	833,898	1,066,784	1,418,948	1,389,339	1,535,387
$100,000 to $150,000	163,521	260,204	280,656	377,645	572,860	570,180	636,018
$150,000 to $300,000	145,948	255,814	260,584	374,609	655,300	661,412	787,270
$300,000 to $500,000	61,343	115,672	124,569	171,249	339,774	340,214	431,122
$500,000 to $1,000,000	42,780	107,671	95,107	158,462	327,368	317,881	378,167
$1,000,000 and over	49,411	141,387	152,072	155,974	422,457	494,394	600,641
Tax yield (normal and surtax) [1]	719,387	861,057	861,686	704,265	734,555	732,471	830,639
Under $1,000	174	247	317	146	69	56	40
$1,000 to $2,000	29,161	27,081	18,253	10,432	1,704	1,761	1,234
$2,000 to $3,000	20,712	20,730	16,606	10,207	3,809	4,217	3,971
$3,000 to $5,000	42,744	47,533	46,048	26,865	8,326	7,245	6,508
$5,000 to $10,000	68,871	70,388	54,075	28,828	19,149	20,272	20,664
$10,000 to $25,000	126,886	123,576	103,109	78,009	74,172	72,405	74,226
$25,000 to $50,000	112,910	125,697	103,601	109,360	120,689	112,797	119,476
$50,000 to $100,000	115,712	144,093	108,879	136,636	147,843	140,947	156,675
$100,000 to $150,000	52,330	71,337	55,719	75,678	79,472	77,900	87,398
$150,000 to $300,000	61,496	98,810	62,104	92,481	103,059	103,997	123,776
$300,000 to $500,000	31,360	43,488	31,669	45,771	55,722	55,256	73,750
$500,000 to $1,000,000	25,112	38,559	25,498	42,585	53,674	53,665	64,265
$1,000,000 and over	31,420	49,518	35,788	47,207	66,807	81,893	98,657
Average tax rate on net income, per cent	3.67	4.04	2.67	2.74	3.35	3.34	3.68
Under $1,000	.08	.10	.13	.06	.12	.08	.06
$1,000 to $2,000	.81	.75	.49	.29	.10	.10	.07
$2,000 to $3,000	.39	.40	.27	.19	.19	.21	.19
$3,000 to $5,000	1.05	1.06	.71	.39	.16	.15	.14
$5,000 to $10,000	2.90	2.66	2.04	.96	.55	.52	.53
$10,000 to $25,000	6.48	5.48	4.06	2.73	2.09	1.98	1.98
$25,000 to $50,000	11.53	10.40	7.67	6.84	5.94	5.94	5.82
$50,000 to $100,000	19.87	17.89	13.06	12.81	10.42	10.14	10.20
$100,000 to $150,000	32.00	27.42	19.85	20.04	13.87	13.66	13.74
$150,000 to $300,000	42.14	37.03	23.83	24.69	15.73	15.72	15.72
$300,000 to $500,000	51.94	37.27	25.42	26.73	16.40	16.24	17.11
$500,000 to $1,000,000	58.70	35.81	26.81	26.87	16.39	16.88	16.99
$1,000,000 and over	63.59	35.02	23.63	30.27	15.83	16.56	16.42

[1] Beginning 1922, includes tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss in 1924 to 1927.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 207.—PERSONAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1927

Income class (net income)	Number of returns	Total income	General deductions, including contributions	Net income [1]	Net loss for prior year	Exemptions from normal tax			
						Personal exemption	Dividends	Interest on Govt. obligations [2]	Capital net gain [3]
		In thousands of dollars							
Total	4,101,547	26,208,560	3,663,470	22,545,091	37,055	12,000,709	4,254,829	47,479	1,081,186
Under $1,000, free [4]	115,744			66,280	------	299,241			
Under $1,000, taxed	11,001			5,950	------	899			
$1,000 to $2,000, free [4]	453,132			706,585	------	1,245,799			
$1,000 to $2,000, taxed	542,966			938,991	------	820,987			
$2,000 to $3,000, free [4]	397,948			974,330	------	1,459,421			
$2,000 to $3,000, taxed	457,814	9,948,576	1,467,679	1,087,945	------	711,370	492,919	------	------
$3,000 to $4,000, free [4]	475,367			1,660,408	------	1,909,367			
$3,000 to $4,000, taxed	244,538			865,950	------	577,758			
$4,000 to $5,000, free [4]	174,335			758,950	------	772,491			
$4,000 to $5,000, taxed	315,104			1,414,508	------	1,044,747			
$5,000 to $6,000, free [4]	20,808	1,280,975	176,368	112,665	1,106	87,605	85,631	------	------
$5,000 to $6,000, taxed	181,015			991,942	282	640,948			
$6,000 to $10,000, free [4]	23,271	3,236,795	445,643	175,807	3,328	74,528	344,990	------	------
$6,000 to $10,000, taxed	342,606			2,615,345	1,007	1,217,509			
$10,000 to $25,000	252,079	4,363,624	615,566	3,748,058	9,173	846,737	834,566	17,674	------
$25,000 to $50,000	60,123	2,371,604	319,833	2,051,771	6,850	190,901	679,906	11,961	32,381
$50,000 to $100,000	22,573	1,774,030	238,643	1,535,387	4,625	68,609	623,864	7,544	169,512
$100,000 to $150,000	5,261	731,600	95,671	636,019	2,168	15,478	276,702	2,552	115,214
$150,000 to $300,000	3,873	899,821	112,551	787,270	1,849	11,001	332,075	3,566	196,907
$300,000 to $500,000	1,141	487,373	56,251	431,122	191	3,169	172,434	1,094	131,789
$500,000 to $1,000,000	557	434,571	59,404	378,167	1,981	1,466	167,096	1,061	137,929
$1,000,000 and over	290	679,501	78,860	600,641	4,495	678	244,646	3,117	297,454

Income class (net income)	Normal tax	Surtax	Net tax on capital net gain [5]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average tax per individual (dollars)	Average rate of tax on net income (per cent)	Per cent distribution		
								Returns	Net income	Net tax
	Thousands of dollars									
Total	215,817	511,731	128,006	24,915	830,639	202.52	3.68	100.00	100.00	100.00
Under $1,000, free [4]	------	------	------	------	------	------	------	3.09	.32	------
Under $1,000, taxed	53	------	------	13	40	3.63	.67			.01
$1,000 to $2,000, free [4]	------	------	------	------	------	------	------	24.29	7.30	------
$1,000 to $2,000, taxed	1,645	------	------	411	1,234	2.27	.13			.15
$2,000 to $3,000, free [4]	------	------	------	------	------	------	------	20.87	9.15	------
$2,000 to $3,000, taxed	5,294	------	------	1,323	2,970	8.67	.36			.48
$3,000 to $4,000, free [4]	------	------	------	------	------	------	------	17.55	11.21	------
$3,000 to $4,000, taxed	3,840	------	------	960	2,880	11.78	.33			.35
$4,000 to $5,000, free [4]	------	------	------	------	------	------	------	11.93	9.64	------
$4,000 to $5,000, taxed	4,838	------	------	1,209	3,628	11.51	.26			.44
$5,000 to $6,000, free [4]	------	------	------	------	------	------	------	4.92	4.90	------
$5,000 to $6,000, taxed	4,783	------	------	1,014	3,769	20.82	.38			.45
$6,000 to $10,000, free [4]	------	------	------	------	------	------	------	8.92	12.38	------
$6,000 to $10,000, taxed	20,313	------	------	3,417	16,896	49.32	.65			2.03
$10,000 to $25,000	59,778	23,316	------	8,868	74,226	294.45	1.98	6.14	16.62	8.94
$25,000 to $50,000	46,413	74,397	3,205	4,540	119,475	1,987.18	5.82	1.47	9.10	14.38
$50,000 to $100,000	30,332	109,155	10,141	1,953	156,675	6,940.81	10.20	.55	6.81	18.87
$100,000 to $150,000	11,095	63,334	13,485	516	87,398	16,612.43	13.74	.13	2.82	10.52
$150,000 to $300,000	12,750	88,101	23,404	480	123,776	31,958.69	15.72	.09	3.49	14.90
$300,000 to $500,000	6,506	51,689	15,672	118	73,750	64,636.28	17.11	.03	1.91	8.88
$500,000 to $1,000,000	4,150	43,458	16,722	65	64,265	115,377.02	16.99	.013	1.68	7.73
$1,000,000 and over	4,027	58,281	36,377	28	98,657	340,196.55	16.43	.007	2.67	11.87

[1] Capital net gain from sale of assets held more than two years is included in net income, but capital net loss from sale of assets held more than two years and net loss for prior year are not deducted.

[2] If not wholly exempt from tax.

[3] Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.

[4] Specific exemptions exceed net income.

[5] Tax (12½ per cent) on capital net gain from sale of assets held more than two years, less tax credit of 12½ per cent on capital net loss on such sales.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 208.—PERSONAL INCOME TAX RETURNS: TOTAL INCOME BY INCOME CLASSES, DISTRIBUTED BY SOURCES OF INCOME, 1927

NOTE.—For total income and items exempt from normal tax see Table 207.

[All figures, except percentages, in thousands of dollars]

Income class (net income)	Income from personal industry and business				Income from property			
	Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and investment income [2]	Interest on Govt. obligations [3]
Total	10,218,450	3,287,421	1,755,145	2,894,582	1,302,276	4,254,829	2,448,378	47,479
Under $5,000	5,694,174	1,583,246	400,723	301,537	657,974	492,919	818,003	----------
$5,000 to $6,000	595,790	267,232	92,685	55,148	75,486	85,631	109,004	----------
$6,000 to $10,000	1,356,481	569,076	259,096	206,632	176,398	344,990	324,121	----------
$10,000 to $25,000	1,444,539	532,213	366,106	463,815	203,639	834,566	601,071	17,674
$25,000 to $50,000	560,175	181,010	201,983	361,366	88,572	679,906	286,631	11,961
$50,000 to $100,000	304,104	89,833	157,337	346,762	50,215	623,864	194,370	7,544
$100,000 to $150,000	97,321	23,025	68,416	182,415	16,655	276,702	64,604	2,552
$150,000 to $300,000	92,018	23,668	89,967	280,927	14,739	332,075	63,861	2,566
$300,000 to $500,000	35,505	8,478	50,478	178,316	6,806	172,434	34,293	1,004
$500,000 to $1,000,000	21,092	7,057	31,670	178,044	6,125	167,096	22,427	1,061
$1,000,000 and over	17,191	2,583	36,684	339,620	5,607	244,646	29,993	3,117
	Per cent of total income of class derived from each source							
Total	38.98	12.54	6.70	11.05	4.97	16.24	9.34	0.18
Under $5,000	57.24	15.91	4.03	3.03	6.61	4.95	8.23	----------
$5,000 to $6,000	46.51	20.86	7.24	4.31	5.89	6.68	8.51	----------
$6,000 to $10,000	41.91	17.58	8.01	6.38	5.45	10.66	10.01	----------
$10,000 to $25,000	33.10	12.20	8.39	10.63	4.67	19.12	11.48	.41
$25,000 to $50,000	23.62	7.63	8.52	15.24	3.73	28.67	12.09	.50
$50,000 to $100,000	17.14	5.06	8.87	19.55	2.83	35.17	10.95	.43
$100,000 to $150,000	13.30	3.15	9.35	24.93	2.28	37.82	8.82	.35
$150,000 to $300,000	10.23	2.63	10.00	31.22	1.64	36.90	7.10	.28
$300,000 to $500,000	7.30	1.74	10.36	36.58	1.39	35.38	7.04	.21
$500,000 to $1,000,000	4.85	1.62	7.29	40.97	1.41	38.45	5.16	.25
$1,000,000 and over	2.53	.38	5.40	49.98	.84	36.00	4.41	.46

[1] Includes capital net gain from sale of assets held more than two years. (See Table 207.)
[2] Including fiduciary income. [3] If not wholly exempt from tax.

No. 209.—PERSONAL INCOME TAX RETURNS:[1] BY FAMILY RELATIONSHIP

	1921	1922	1923	1924	1925	1926	1927
Number of returns	6,662,176	6,787,481	7,698,321	7,869,788	4,171,051	4,138,092	4,101,547
Joint returns of husbands and wives [2]	3,477,592	3,566,302	4,505,729	3,991,551	2,074,849	2,017,182	2,016,850
Wives making separate returns from husbands	89,634	101,319	170,573	173,225	120,358	113,550	112,719
Single men, heads of families	401,662	392,356	413,682	394,201	274,139	268,090	302,821
Single women, heads of families	115,356	135,929	157,669	153,279	96,562	100,284	103,430
All other men	1,945,009	1,823,525	1,697,031	1,865,258	1,193,379	1,146,871	1,109,676
All other women	608,829	740,800	718,080	773,314	392,188	449,727	431,769
Community property income	24,094	27,540	35,557	18,960	19,578	42,388	24,282
Net income (1,000 dollars)	19,577,213	21,336,213	24,777,466	25,656,153	21,894,576	21,958,506	22,545,091
Joint returns of husbands and wives [2]	12,448,419	13,673,814	16,711,847	16,095,378	13,772,705	13,555,920	13,870,232
Wives making separate returns from husbands	486,170	638,862	847,110	955,000	1,093,921	1,110,206	1,219,714
Single men, heads of families	1,066,537	1,091,277	1,190,175	1,227,022	1,103,331	1,102,102	1,211,235
Single women, heads of families	309,461	361,518	448,887	445,185	406,658	436,422	463,327
All other men	3,788,543	3,758,959	3,628,421	4,223,497	3,716,460	3,639,034	3,700,791
All other women	1,302,398	1,603,594	1,688,707	1,883,757	1,540,291	1,750,900	1,770,517
Community property income	175,684	208,189	262,319	226,314	261,210	363,922	309,274

[1] See headnote, Table 195.
[2] Includes returns of husbands whose wives, though living with them, file separate returns.

Source of Tables 208 and 209: Statistics of income, Reports of the Commissioner of Internal Revenue.

No. 210.—PERSONAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1927

[All figures in thousands of dollars]

Division and State	Total income	From personal industry and business				From property			
		Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and investment income[2]	Interest on Government obligations[3]
Total	26,208,560	10,218,450	3,287,421	1,755,145	2,894,582	1,302,276	4,264,829	2,448,378	47,479
New England	2,285,197	809,192	259,716	118,164	257,010	76,940	517,733	241,642	4,800
Maine	118,746	37,052	19,713	4,720	11,712	4,391	23,719	17,148	291
New Hampshire	79,390	25,689	13,606	3,984	9,087	3,088	10,218	7,554	164
Vermont	47,836	16,785	8,615	2,853	2,560	1,656	9,602	5,675	84
Massachusetts	1,355,605	500,482	145,136	75,386	152,945	40,000	299,767	138,948	2,941
Rhode Island	177,435	63,495	19,812	9,678	14,016	6,581	41,900	21,564	389
Connecticut	506,185	165,689	52,834	21,543	66,684	21,224	126,527	50,753	931
Middle Atlantic	9,898,537	3,743,162	1,020,587	732,339	1,329,987	314,750	1,749,873	987,249	20,590
New York	6,194,753	2,245,159	570,904	545,444	906,770	175,671	1,122,932	613,150	14,723
New Jersey	1,285,666	558,124	147,644	57,761	149,488	45,114	191,426	134,044	1,465
Pennsylvania	2,418,118	939,879	302,039	129,134	273,729	93,965	435,515	239,455	4,402
East North Central	5,659,428	2,455,878	658,413	313,713	599,107	300,417	875,751	446,639	9,510
Ohio	1,308,988	571,551	154,051	70,403	124,959	68,987	241,651	73,361	4,025
Indiana	390,347	174,372	58,227	24,387	35,171	25,094	54,062	17,884	1,150
Illinois	2,328,812	1,017,820	252,648	137,645	248,094	123,570	337,776	208,453	2,800
Michigan	1,122,573	473,885	124,281	49,979	142,946	63,187	174,288	92,939	1,068
Wisconsin	508,708	218,250	69,206	31,299	47,937	19,573	67,974	54,002	467
West North Central	1,605,312	660,045	288,793	105,602	93,567	108,075	212,718	134,120	2,902
Minnesota	347,538	150,006	52,089	20,701	22,537	15,411	55,718	30,415	661
Iowa	232,577	87,826	45,319	16,402	9,138	20,357	27,510	25,802	223
Missouri	592,843	273,509	70,425	30,025	43,709	34,032	98,053	41,495	1,596
North Dakota	40,526	14,865	12,728	3,823	781	2,151	2,050	4,111	17
South Dakota	43,525	15,269	14,397	3,966	1,002	3,175	2,004	3,661	51
Nebraska	159,855	59,559	40,074	12,879	6,285	13,231	12,513	15,180	134
Kansas	188,948	59,011	53,761	17,806	10,105	19,718	14,870	13,456	221
South Atlantic	1,931,155	758,503	237,592	113,768	205,320	109,908	323,001	179,728	3,337
Delaware	104,885	23,018	7,119	2,982	20,025	2,280	42,518	6,798	145
Maryland	445,634	166,444	44,590	25,363	56,882	18,348	76,161	57,079	767
Dist. of Col	234,047	101,095	27,256	8,262	21,960	13,207	32,208	29,589	470
Virginia	208,563	86,561	28,717	15,857	14,888	11,578	33,933	16,494	535
West Virginia	171,948	75,158	24,986	9,624	13,331	11,266	30,106	6,945	532
North Carolina	202,655	84,078	26,688	15,079	19,116	14,961	33,174	9,303	256
South Carolina	71,264	32,262	12,742	5,175	3,148	4,523	6,969	6,388	57
Georgia	207,862	95,076	27,177	15,268	15,714	13,398	26,831	14,203	195
Florida	284,297	94,811	38,317	16,158	40,256	20,345	41,101	32,929	380
East South Central	654,947	273,060	99,660	56,504	47,047	42,622	83,160	51,631	1,263
Kentucky	206,233	81,170	27,927	14,166	20,633	11,371	34,433	15,822	711
Tennessee	204,172	90,641	28,185	17,473	13,955	12,547	26,678	14,387	306
Alabama	161,216	68,776	23,885	15,558	9,712	12,404	15,951	14,746	184
Mississippi	83,326	32,473	19,663	9,307	2,747	6,300	6,098	6,676	62
West South Central	1,286,178	469,174	218,798	131,387	94,548	139,431	127,228	113,762	1,860
Arkansas	93,688	34,034	17,357	9,436	5,287	9,745	9,354	8,359	116
Louisiana	216,341	80,733	29,369	18,928	13,640	16,764	29,305	18,286	256
Oklahoma	266,439	93,145	42,439	26,384	20,402	36,391	22,315	24,885	478
Texas	709,710	242,262	129,633	76,639	55,219	76,531	66,194	62,232	1,000
Mountain	502,374	203,492	114,317	33,731	29,167	26,309	52,948	41,655	757
Montana	79,801	35,436	20,677	5,368	3,530	3,771	5,923	4,997	99
Idaho	44,917	16,979	14,658	3,512	1,714	2,355	2,423	3,242	34
Wyoming	36,034	16,579	9,318	2,750	1,001	1,587	2,295	2,431	73
Colorado	176,894	65,741	33,994	10,545	11,816	10,469	25,292	18,615	422
New Mexico	30,571	10,749	8,634	2,916	1,348	1,877	2,300	2,731	16
Arizona	52,567	21,183	10,936	3,456	4,958	3,386	4,442	4,150	56
Utah	61,992	28,351	11,479	3,470	3,861	2,035	8,500	4,250	46
Nevada	19,598	8,474	4,621	1,714	939	829	1,771	1,239	11
Pacific[4]	2,332,289	831,679	384,602	148,712	235,539	181,629	299,767	247,926	2,435
Washington[4]	289,320	132,879	59,941	17,642	13,337	16,944	26,883	21,311	383
Oregon	167,071	68,373	40,109	11,202	6,433	11,159	13,230	16,354	211
California	1,875,898	630,427	284,552	119,868	215,769	153,526	259,654	210,261	1,841
Hawaii	52,643	24,265	4,943	1,225	3,300	2,197	12,652	4,026	35

[1] Includes capital net gain from sale of assets held more than two years. (See Table 212.)
[2] Including fiduciary income. [3] If not wholly exempt from tax. [4] Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 211.—PERSONAL INCOME TAX RETURNS:

NOTE.—See headnote Table 195. The net income here shown is subject to

[Net income and tax yield

Division and State	Number of returns						Net income	
	1922	1923	1924	1925	1926	1927	1922	1923
Total	6,787,481	7,698,321	7,389,788	4,171,051	4,138,092	4,101,547	21,336,213	24,777,486
New England	668,477	738,948	664,651	370,664	375,484	358,780	2,078,110	2,414,137
Maine	43,041	48,435	42,254	19,444	19,709	18,710	129,857	142,994
New Hampshire	31,787	36,876	31,532	16,413	15,276	14,484	85,577	104,852
Vermont	17,901	21,752	20,618	9,550	8,616	8,268	51,653	64,809
Massachusetts	397,241	415,100	378,049	221,530	224,042	214,356	1,237,893	1,413,016
Rhode Island	50,076	66,965	48,792	29,123	26,362	25,184	171,410	214,750
Connecticut	128,431	149,820	143,406	74,595	81,449	77,778	401,720	473,805
Middle Atlantic	1,992,352	2,255,635	2,228,971	1,279,738	1,328,939	1,343,315	7,148,421	8,094,807
New York	1,102,748	1,221,654	1,215,640	751,941	753,044	766,974	4,110,589	4,565,315
New Jersey	301,834	293,503	299,904	150,874	170,320	195,467	1,032,262	1,050,741
Pennsylvania	587,770	740,478	713,427	376,923	397,575	381,374	2,005,570	2,478,751
East North Central	1,561,378	1,862,458	1,730,402	961,545	959,102	955,031	4,691,020	5,830,137
Ohio	364,988	463,017	418,048	224,643	231,196	222,707	1,138,935	1,457,607
Indiana	153,469	178,831	156,845	80,300	77,126	76,703	426,366	510,507
Illinois	614,449	676,489	652,501	357,448	374,725	378,859	1,927,637	2,272,960
Michigan	267,953	350,072	323,733	188,669	176,804	175,806	796,412	1,041,933
Wisconsin	160,519	194,050	179,275	110,485	99,251	100,956	401,670	547,040
West North Central	623,116	659,324	621,683	329,475	301,771	291,687	1,716,440	1,844,540
Minnesota	122,885	134,360	128,237	71,291	64,227	61,439	348,741	372,377
Iowa	131,870	135,864	110,404	50,379	49,476	45,349	359,563	363,242
Missouri	173,728	192,282	186,784	109,089	99,509	96,407	526,388	605,276
North Dakota	18,750	18,054	19,160	11,715	9,881	9,758	43,767	42,974
South Dakota	21,465	21,928	26,506	17,086	12,414	10,969	48,950	50,171
Nebraska	67,503	70,545	66,512	35,661	33,532	32,170	177,969	195,153
Kansas	86,915	86,291	84,080	34,284	32,732	35,575	211,062	215,347
South Atlantic	543,342	606,830	588,499	359,983	328,820	305,424	1,652,359	1,856,386
Delaware	17,141	19,202	18,892	9,131	9,301	9,266	53,981	57,187
Maryland	110,896	127,770	126,226	66,152	67,160	65,099	386,830	401,260
Dist. of Columbia	77,923	75,796	77,836	43,293	40,024	39,560	231,329	221,951
Virginia	71,523	77,451	71,597	37,507	37,797	37,393	207,277	242,587
West Virginia	69,501	89,263	75,037	35,810	32,544	32,500	196,777	260,343
North Carolina	58,009	68,191	63,864	38,740	35,332	33,398	171,929	206,639
South Carolina	26,830	28,225	28,090	15,727	13,809	14,310	72,750	87,031
Georgia	69,988	71,841	62,651	37,410	36,744	33,818	199,433	222,888
Florida	41,531	49,091	64,306	76,213	56,109	40,080	132,047	156,500
East South Central	203,730	227,072	213,904	115,267	114,052	111,772	594,663	693,008
Kentucky	69,666	79,091	72,119	37,315	32,821	33,094	200,049	214,416
Tennessee	63,555	69,081	66,981	34,689	35,495	33,812	190,724	226,034
Alabama	43,612	51,049	47,591	26,278	28,540	27,992	126,908	159,064
Mississippi	26,897	27,851	27,213	16,985	17,196	16,964	76,982	83,494
West South Central	357,972	374,100	359,234	211,565	207,294	208,964	1,062,749	1,158,384
Arkansas	32,072	35,788	35,484	20,597	19,363	17,331	95,626	109,794
Louisiana	66,972	67,440	67,658	40,695	38,996	37,293	203,665	213,802
Oklahoma	72,063	70,189	63,357	40,825	37,497	39,806	217,556	221,293
Texas	186,865	200,683	192,735	109,448	111,438	114,534	545,902	613,495
Mountain	319,499	339,243	333,989	117,862	107,235	105,173	536,055	613,447
Montana	38,044	42,809	44,011	19,239	16,191	18,651	83,904	99,256
Idaho	23,309	25,012	21,436	12,907	11,617	10,673	51,167	58,393
Wyoming	21,943	23,246	22,947	10,336	8,930	8,870	48,827	57,376
Colorado	67,463	72,366	73,350	35,808	35,110	31,727	184,572	200,573
New Mexico	11,553	12,202	11,595	7,203	6,513	6,462	28,983	32,668
Arizona	20,079	22,899	21,301	10,104	10,509	11,059	48,460	59,526
Utah	27,325	30,242	28,685	16,101	13,568	13,029	67,745	79,943
Nevada	9,723	10,467	10,604	6,164	4,797	4,702	22,397	25,712
Pacific [1]	606,018	722,289	716,068	415,646	408,249	411,669	1,819,274	2,239,742
Washington [1]	123,216	136,057	138,181	78,030	61,950	62,200	300,523	351,955
Oregon	61,870	69,123	66,669	32,542	30,955	33,903	161,226	189,851
California	420,923	517,109	511,218	305,074	315,344	315,566	1,357,525	1,697,903
Hawaii	11,597	12,421	12,387	9,306	9,146	9,252	37,123	42,820

[1] Includes Alaska.

By States and Territories, 1922 to 1927

deduction of exemptions to give net income subject to tax, see Tables 205 and 212

in thousands of dollars]

Net income—Continued				Tax yield						Division and State
1924	1925	1926	1927	1922	1923	1924	1925	1926	1927	
25,856,153	21,894,576	21,958,506	22,545,091	861,057	661,666	704,265	734,556	732,471	830,639	Total
2,282,872	1,911,646	1,953,336	2,013,224	87,869	66,147	65,096	65,262	61,854	72,372	N. E.
135,221	97,928	107,979	103,081	3,897	2,786	2,568	2,719	3,419	3,301	Me.
94,133	70,118	66,744	70,561	2,134	1,643	1,377	1,219	1,201	1,825	N. H.
63,631	45,857	42,209	41,842	1,574	1,333	978	920	821	847	Vt.
1,320,157	1,132,290	1,147,576	1,189,273	57,781	42,528	40,857	41,052	37,116	43,950	Mass.
191,556	160,955	155,051	157,465	9,352	6,658	6,722	5,818	5,546	6,332	R. I.
478,174	404,498	433,777	451,002	13,131	11,199	12,594	13,534	13,751	16,117	Conn.
8,870,320	7,878,208	8,154,486	8,607,674	408,517	296,132	346,590	357,905	356,909	422,796	M. A.
5,144,766	4,903,229	4,984,020	5,208,451	273,960	192,312	236,775	252,158	247,164	305,210	N. Y.
1,177,421	943,673	1,032,297	1,117,398	40,983	30,553	31,941	32,383	32,858	38,912	N. J.
2,548,133	2,031,306	2,138,169	2,091,825	93,574	73,267	77,874	73,364	76,887	78,674	Pa.
5,821,581	4,790,684	4,813,590	4,983,765	170,177	140,895	143,629	142,684	147,814	164,421	E. N. C.
1,403,749	1,141,453	1,146,496	1,153,756	39,310	33,062	32,062	30,321	32,839	35,519	Ohio
461,717	344,267	358,625	349,434	9,579	7,883	6,656	7,509	9,935	8,884	Ind.
2,413,605	1,975,436	1,995,011	2,093,909	77,196	62,880	66,583	64,792	64,214	73,796	Ill.
1,045,850	910,910	905,815	950,086	34,965	28,051	30,984	33,263	32,408	35,600	Mich.
496,660	418,618	407,643	436,580	9,127	9,019	7,344	6,799	8,418	10,622	Wis.
1,814,076	1,411,572	1,371,379	1,344,285	38,271	29,575	26,558	27,794	27,417	28,497	W. N. C.
375,589	305,945	296,414	295,670	9,419	7,084	6,721	6,126	6,475	7,383	Minn.
208,734	168,736	203,915	190,436	5,466	4,127	3,124	3,111	2,918	3,310	Iowa
632,533	533,836	512,801	501,495	15,973	13,085	12,373	14,247	13,497	13,738	Mo.
48,690	35,695	33,169	33,252	453	276	268	163	180	187	N. Dak.
66,124	53,971	38,153	35,907	549	350	306	192	209	210	S. Dak.
189,372	141,878	134,154	130,131	3,165	2,534	1,848	1,733	1,382	1,428	Nebr.
203,034	141,511	153,673	157,394	3,246	2,119	1,918	2,222	2,756	2,241	Kans.
1,985,149	1,979,194	1,660,320	1,577,269	49,844	40,367	41,515	61,234	45,066	48,723	S. A.
64,180	54,899	70,544	90,263	1,834	1,402	2,433	2,780	5,101	7,970	Del.
467,226	362,485	374,759	390,671	15,364	11,540	12,073	11,623	11,617	13,860	Md.
253,312	200,354	198,056	198,938	8,337	6,098	5,766	5,718	5,527	6,027	D. C.
231,056	170,257	176,025	172,240	4,919	3,669	3,314	2,981	3,495	3,611	Va.
227,000	144,777	141,397	139,096	4,595	3,876	2,796	2,134	2,304	2,520	W. Va.
200,889	161,624	153,232	155,917	4,909	4,767	3,778	3,179	3,398	4,520	N. C.
79,614	57,662	53,060	55,219	1,208	1,555	727	431	420	555	S. C.
210,908	177,204	171,146	167,407	4,558	3,766	3,399	3,530	2,888	3,613	Ga.
250,964	649,932	322,601	206,918	4,060	3,694	7,229	28,858	10,416	6,047	Fla.
704,850	552,191	548,198	543,849	14,276	12,535	11,153	9,741	9,971	11,334	E. S. C.
238,094	180,217	169,101	172,582	4,677	3,724	3,806	3,300	3,226	4,028	Ky.
224,184	168,198	175,714	173,163	4,903	4,284	3,420	3,126	3,652	4,035	Tenn.
159,919	130,025	136,523	133,225	2,892	2,841	2,771	2,236	2,449	2,455	Ala.
82,653	73,751	64,860	64,879	1,804	1,686	1,156	989	644	816	Miss.
1,180,769	996,840	1,040,740	1,023,473	28,202	21,077	19,017	21,948	25,611	23,657	W. S. C.
110,255	84,474	84,661	75,554	2,314	2,050	1,458	1,434	1,482	1,340	Ark.
221,133	195,585	185,479	175,254	5,354	4,439	3,529	3,850	3,312	3,175	La.
211,272	219,961	223,037	212,342	6,414	3,910	3,794	6,897	8,135	6,232	Okla.
638,109	496,820	547,563	560,323	14,120	10,678	10,236	9,767	12,682	12,910	Tex.
625,230	437,788	422,711	431,071	9,351	6,843	6,088	5,411	5,518	6,758	Mt.
107,242	66,825	59,290	69,654	1,029	721	731	580	562	808	Mont.
52,302	40,444	39,888	38,449	479	426	261	171	184	247	Idaho
60,752	33,482	31,751	31,298	687	521	414	257	263	275	Wyo.
205,088	150,363	154,805	148,473	4,870	3,268	3,163	2,841	2,959	3,307	Colo.
31,951	23,995	24,632	26,288	384	337	224	179	227	283	N. Mex.
58,273	41,383	41,717	45,337	687	603	512	545	499	698	Ariz.
82,088	61,635	53,832	53,629	956	726	599	660	629	851	Utah
27,534	19,661	16,796	17,443	259	241	184	178	195	229	Nev.
2,324,910	1,894,988	1,952,296	1,975,862	53,167	46,777	43,137	41,632	51,215	50,880	Pac.[1]
393,902	272,545	245,592	252,547	5,148	3,926	3,231	2,717	2,801	2,914	Wash.[1]
189,884	132,023	135,030	140,739	4,240	2,892	2,025	1,788	2,175	1,921	Oreg.
1,741,064	1,490,420	1,571,674	1,582,576	43,779	39,959	37,881	37,127	46,239	46,045	Calif.
46,395	41,465	42,950	44,619	1,387	1,319	1,482	944	1,096	1,201	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 212.—PERSONAL INCOME TAX RETURNS:

[All money figures, except average per return

Division and State	Number of returns	Net income [1]	Prior year loss deductions	Exemptions from normal tax				Normal tax
				Personal exemption	Dividends	Interest on Govt. obligations [2]	Capital net gain [3]	
Total	4,101,547	22,545,091	37,055	12,000,709	4,254,829	47,479	1,081,186	215,817
New England	358,780	2,013,224	1,596	1,023,712	517,733	4,800	80,957	18,033
Maine	18,710	103,081	68	56,346	23,719	291	3,825	826
New Hampshire	14,484	70,561	57	41,353	16,218	104	2,016	489
Vermont	8,268	41,842	45	24,064	9,602	84	212	271
Massachusetts	214,356	1,189,273	1,036	610,431	299,767	2,941	51,229	11,138
Rhode Island	25,184	157,465	135	72,754	41,900	389	4,265	1,480
Connecticut	77,778	451,002	255	218,764	126,527	931	18,810	3,829
Middle Atlantic	1,343,315	8,607,674	11,698	3,932,147	1,749,873	20,590	551,671	97,483
New York	760,974	5,398,451	9,243	2,235,226	1,122,932	14,723	370,889	68,472
New Jersey	195,467	1,117,398	690	583,677	191,426	1,465	56,038	10,540
Pennsylvania	381,374	2,091,825	1,765	1,113,244	435,515	4,402	115,744	18,471
East North Central	955,031	4,983,765	10,522	2,741,032	875,751	9,510	241,675	43,882
Ohio	222,707	1,153,756	967	652,643	241,651	4,025	51,508	8,909
Indiana	76,703	349,434	279	227,553	54,062	1,150	15,206	2,613
Illinois	378,359	2,093,909	8,186	1,071,283	337,776	2,800	102,645	20,648
Michigan	175,806	950,086	838	486,696	174,288	1,068	55,850	8,545
Wisconsin	100,956	436,580	252	302,857	67,974	467	16,466	3,107
West North Central	291,667	1,344,285	1,694	897,127	212,718	2,901	31,281	9,647
Minnesota	61,439	295,670	372	180,446	55,718	661	8,921	2,189
Iowa	45,349	190,436	119	138,993	27,510	222	1,466	1,166
Missouri	96,407	501,495	428	292,509	98,053	1,595	17,636	4,061
North Dakota	9,758	33,252	37	31,975	2,050	17	129	146
South Dakota	10,909	35,907	34	35,849	2,004	51	2	150
Nebraska	32,170	130,131	182	101,319	12,513	134	606	822
Kansas	35,575	157,394	522	116,031	14,870	221	2,521	1,113
South Atlantic	305,424	1,577,269	2,190	911,936	323,001	3,338	66,678	12,541
Delaware	9,266	90,203	30	26,287	42,518	145	8,138	759
Maryland	65,099	390,671	310	190,317	76,161	767	25,329	3,710
Dist. of Columbia	30,560	198,938	3	103,615	32,208	470	8,595	1,883
Virginia	37,393	172,240	193	113,695	33,933	535	3,213	1,175
West Virginia	32,500	139,696	193	96,857	30,106	532	3,375	748
North Carolina	33,398	155,917	151	106,778	33,174	256	5,102	1,023
South Carolina	14,310	55,219	121	45,801	6,969	58	270	307
Georgia	33,818	167,407	370	104,342	26,831	195	3,715	1,300
Florida	49,080	206,918	819	124,244	41,101	380	8,941	1,636
East South Central	111,772	543,849	1,062	342,814	83,160	1,264	11,651	4,343
Kentucky	33,004	172,582	170	96,087	34,433	712	4,010	1,388
Tennessee	33,812	173,163	239	104,520	26,678	306	5,422	1,426
Alabama	27,992	133,225	108	86,116	15,951	184	2,026	1,108
Mississippi	16,964	64,879	485	55,491	6,098	62	191	421
West South Central	208,964	1,023,473	4,008	626,645	127,228	1,850	23,732	9,496
Arkansas	17,331	75,554	320	56,355	9,354	116	2,202	474
Louisiana	37,203	175,254	933	109,707	29,365	256	1,697	1,396
Oklahoma	39,806	212,342	430	132,404	22,315	478	4,438	2,345
Texas	114,534	560,323	2,325	328,179	66,194	1,000	15,395	5,281
Mountain	105,173	491,071	785	313,004	52,946	756	8,091	2,683
Montana	18,651	69,654	68	56,442	5,923	99	612	395
Idaho	10,673	38,449	98	32,712	2,423	34	555	165
Wyoming	8,870	31,298	45	25,725	2,295	72	76	170
Colorado	31,727	148,473	216	95,511	25,292	422	3,730	1,065
New Mexico	6,462	26,288	59	18,964	2,300	16	117	187
Arizona	11,059	45,337	121	31,346	4,442	56	1,302	315
Utah	13,029	53,629	144	40,281	8,500	46	1,575	285
Nevada	4,702	17,443	34	12,023	1,771	11	124	101
Pacific [4]	411,669	1,975,862	3,490	1,181,817	399,767	2,435	64,921	17,442
Washington [4]	62,200	252,547	454	173,183	26,883	383	3,232	1,522
Oregon	33,903	140,739	220	104,824	13,230	211	916	954
California	315,566	1,582,576	2,816	903,810	259,654	1,841	60,773	14,966
Hawaii	9,252	44,619	10	30,480	12,652	35	529	267

[1] See note 1, Table 207.
[2] If not wholly exempt from tax.
[3] Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.
[4] See note 5, Table 205.

ANALYSIS BY STATES AND TERRITORIES, 1927

and per capita tax, in thousands of dollars]

Surtax	Net tax on capital net gain [4]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average per return		Tax per capita of total population [5]	Per cent of population filing returns	Per cent of United States total				Division and State
				Net income	Tax			Population [5]	Returns	Net income	Tax	
511,731	128,006	24,915	830,689	$5,497	$202.52	$6.98	3.45	100.00	100.00	100.00	100.00	Total.
47,233	9,310	2,205	72,372	5,611	201.72	6.84	4.38	6.88	8.76	8.93	8.71	N. E.
2,110	460	94	3,301	5,509	176.42	4.16	2.36	.67	.46	.46	.40	Me.
1,086	307	58	1,825	4,872	126.00	4.01	3.18	.38	.35	.34	.22	N. H.
588	27	30	847	5,061	102.43	2.40	2.34	.30	.20	.19	.10	Vt.
28,307	5,880	1,376	43,950	5,548	205.03	10.36	5.05	3.57	5.23	5.27	5.29	Mass.
4,551	479	178	6,253	6,253	251.44	8.99	3.58	.59	.61	.70	.76	R. I.
10,591	2,157	460	16,117	5,799	207.23	9.85	4.75	1.37	1.90	2.00	1.94	Conn.
269,870	65,707	10,264	422,796	6,405	314.62	16.98	5.40	20.93	32.76	38.18	50.90	M. A.
198,472	45,020	6,756	305,210	7,039	397.94	26.72	6.71	9.60	18.70	23.94	30.75	N. Y.
22,939	5,823	1,394	38,912	5,717	199.07	10.38	5.21	3.15	4.76	4.96	4.68	N. J.
48,459	13,859	2,114	78,674	5,485	206.29	8.99	3.92	8.18	9.30	9.28	9.47	Pa.
98,052	28,256	5,766	164,421	5,218	172.16	6.69	3.89	20.64	23.28	22.11	19.79	E. N. C.
21,602	6,104	1,245	35,519	5,181	150.40	5.29	3.32	5.64	5.43	5.12	4.28	Ohio.
4,747	1,869	344	8,884	4,556	116.82	2.82	2.44	2.65	1.87	1.55	1.07	Ind.
43,876	11,911	2,638	73,796	5,527	194.70	10.11	5.19	6.13	9.24	9.29	8.88	Ill.
21,747	6,441	1,133	35,600	5,404	202.49	7.93	3.92	3.77	4.28	4.21	4.28	Mich.
6,080	1,841	406	10,622	4,324	105.21	3.64	3.46	2.45	2.40	1.94	1.28	Wis.
16,427	3,794	1,370	28,497	4,609	97.70	2.16	2.21	11.08	7.11	5.96	3.43	W. N. C.
4,436	1,085	326	7,383	4,812	120.17	2.75	2.29	2.26	1.50	1.31	.89	Minn.
2,130	180	167	3,310	4,199	72.99	1.36	1.87	2.04	1.10	.84	.40	Iowa.
8,121	2,153	507	13,738	5,202	142.50	3.91	2.75	2.95	2.35	2.22	1.65	Mo.
47	16	21	187	3,408	19.23	.20	1.52	.54	.24	.15	.02	N. Dak.
81	(6)	21	210	3,273	19.11	.30	1.58	.58	.27	.16	.03	S. Dak.
659	70	123	1,428	4,045	44.38	1.02	2.30	1.17	.78	.58	.17	Nebr.
953	290	115	2,241	4,424	62.90	1.23	1.95	1.54	.87	.70	.27	Kans.
29,767	7,969	1,495	48,723	5,164	159.58	3.06	1.92	13.36	7.45	7.00	5.87	S. A.
6,276	994	59	7,970	9,741	860.14	32.80	3.81	.20	.23	.40	.96	Del.
7,547	3,007	405	13,860	6,001	212.90	8.68	4.08	1.34	1.59	1.73	1.67	Md.
3,342	1,049	246	6,027	5,029	152.35	11.16	7.33	.45	.96	.88	.73	D. C.
2,204	377	145	3,611	4,606	96.57	1.42	1.47	2.14	.91	.77	.44	Va.
1,464	410	103	2,520	4,298	77.53	1.49	1.92	1.43	.79	.62	.30	W. Va.
2,992	628	123	4,520	4,668	135.33	1.56	1.15	2.44	.81	.69	.54	N. C.
200	32	44	555	3,859	38.77	.30	.78	1.55	.35	.25	.07	S. C.
2,106	391	184	3,613	4,950	106.83	1.14	1.07	2.66	.83	.74	.43	Ga.
3,516	1,081	186	6,047	5,163	150.38	4.44	2.94	1.15	.98	.92	.73	Fla.
6,108	1,412	529	11,334	4,866	101.40	1.21	1.19	7.87	2.73	2.41	1.36	E. S. C.
2,325	481	166	4,028	5,229	122.04	1.59	1.30	2.13	.81	.76	.48	Ky.
2,135	658	184	4,035	5,121	119.36	1.62	1.36	2.09	.83	.77	.49	Tenn.
1,233	250	136	2,455	4,759	87.71	.96	1.10	2.14	.68	.59	.29	Ala.
416	23	43	816	3,824	48.13	.46	.95	1.51	.41	.29	.10	Miss.
12,293	2,780	913	23,667	4,898	113.21	2.03	1.80	9.78	5.09	4.54	2.85	W. S. C.
659	261	54	1,340	4,359	77.32	.70	.90	1.62	.42	.34	.16	Ark.
1,776	164	151	3,175	4,699	85.13	1.64	1.93	1.63	.91	.78	.38	La.
3,589	508	211	6,232	5,334	156.56	2.61	1.67	2.00	.97	.94	.75	Okla.
6,269	1,857	497	12,910	4,892	112.72	2.39	2.12	4.53	2.79	2.48	1.56	Tex.
3,486	968	358	6,758	4,099	64.26	1.68	2.62	3.37	2.56	1.91	.81	Mt.
468	66	60	868	3,735	46.54	1.22	2.61	.60	.45	.31	.10	Mont.
43	64	25	247	3,602	23.17	.46	2.00	.45	.26	.17	.03	Idaho.
117	0	21	275	3,528	30.96	1.14	3.68	.20	.22	.14	.03	Wyo.
1,940	441	139	3,307	4,680	104.24	3.08	2.95	.90	.77	.66	.40	Colo.
103	14	20	283	4,068	43.86	.72	1.65	.33	.16	.12	.03	N. M.
257	163	38	698	4,145	63.10	1.52	2.41	.39	.27	.20	.09	Ariz.
411	195	41	851	4,116	65.32	1.63	2.50	.44	.32	.24	.10	Utah.
127	16	14	229	3,710	48.66	2.97	6.11	.06	.11	.07	.03	Nev.
27,864	7,748	1,976	50,880	4,800	125.59	7.33	5.93	5.83	10.04	8.76	6.13	Pac. [7]
1,239	372	220	2,914	4,060	46.84	1.80	3.85	1.36	1.52	1.12	.35	Wash. [7]
994	104	132	1,921	4,151	56.65	2.16	3.81	.75	.83	.62	.23	Oreg.
25,431	7,272	1,624	46,045	5,015	145.91	10.39	7.12	3.72	7.69	7.02	5.55	Calif.
911	62	39	1,201	4,823	129.76	3.94	3.03	.26	.23	.20	.15	Hawaii.

[5] Estimated by Bureau of the Census as of July 1, 1927.
[6] Less than $500.
[7] Includes figures for Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 213.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					
	1916–1923	1924	1925	1926	1927	1928
Number of returns	67,446	12,403	14,013	13,142	9,353	8,079
Gross estate, total	14,159,992	2,350,249	2,958,363	3,386,267	3,148,290	3,503,239
Real estate	(1)	553,434	651,229	647,836	573,454	610,653
Bonds exempt or partially exempt	(1)	192,470	228,511	293,899	233,887	247,411
Other bonds	(1)	155,050	232,173	253,583	230,897	239,440
Capital stock in corporations	(1)	738,363	973,886	1,266,396	1,223,992	1,516,971
Mortgages, notes, cash, etc	(1)	305,122	359,126	389,453	357,271	385,278
All other	(1)	405,810	513,438	535,100	526,789	503,486
Deductions, total	6,001,284	1,180,284	1,408,612	1,504,212	1,490,036	1,661,225
Specific exemption	3,372,300	620,000	700,650	689,400	798,910	784,350
Charitable, public, and similar bequests	533,976	65,928	116,360	226,708	130,975	216,099
Property from an estate taxed within 5 years	188,370	67,713	88,811	71,065	73,482	71,857
Funeral and administrative expenses, debts, mortgages, etc	1,867,000	306,608	444,916	463,499	440,175	537,121
Insurance exemption	39,638	40,035	57,875	53,540	46,494	51,798
Net taxable estate [2]	8,375,547	1,261,602	1,621,008	1,951,969	1,735,940	1,943,429
Total tax	535,067	65,900	96,931	138,056	100,532	135,014
Tax credit [3]			10,707	36,732	59,601	94,453
Net tax	535,067	65,900	86,224	101,324	40,931	40,561
Average tax per return (dollars)	7,933	5,313	6,153	7,710	4,376	5,021
Average rate of tax on net taxable estate (per cent)	6.39	5.22	5.31	5.19	2.36	2.09

	1928: No net taxable estate	1928: Net estate of—					
		Under $50,000	$50,000–$200,000	$200,000–$600,000	$600,000–$1,000,000	$1,000,000–$5,000,000	$5,000,000 and over
Number of returns	1,963	2,184	2,093	1,210	277	310	36
Gross estate, total	321,520	329,719	550,128	660,548	306,072	778,237	557,015
Real estate	88,531	90,226	123,190	113,849	46,071	89,588	59,198
Bonds exempt or partially exempt	10,168	15,464	27,262	35,900	28,686	78,924	51,007
Other bonds	16,662	24,787	45,259	56,565	28,289	44,106	22,772
Capital stock in corporations	77,075	94,199	182,202	276,029	135,800	402,086	349,520
Mortgages, notes, cash, etc	45,300	58,165	83,590	80,308	29,859	61,580	26,476
All other	83,784	46,878	87,565	97,807	37,367	101,953	48,042
Deductions, total	422,935	282,278	323,165	253,193	91,782	164,298	123,574
Specific exemption	186,350	208,750	205,800	120,550	27,700	31,600	3,600
Charitable, public, and similar bequests	36,999	12,547	21,700	24,343	22,677	39,803	58,030
Property from an estate taxed within 5 years	32,665	5,189	11,366	9,258	2,810	10,569	----------
Funeral and administrative expenses, debts, mortgages, etc	156,163	47,851	71,604	88,457	34,576	78,362	60,708
Insurance exemption	10,758	7,941	13,295	10,585	4,019	3,964	1,236
Net taxable estate [2]	[4] 101,415	47,440	228,963	407,354	214,290	613,940	433,442
Total tax	----------	477	3,942	12,330	9,219	43,260	65,780
Tax credit [3]	----------	305	2,783	8,861	6,472	29,194	46,838
Net tax	----------	172	1,159	3,469	2,747	14,066	18,948
Average tax per return (dollars)	----------	79	554	2,867	9,917	44,513	526,333
Average rate of tax on net taxable estate (per cent)	----------	.36	.51	.85	1.28	2.29	4.37

[1] Not available for entire period 1916–1923.

[2] In arriving at grand total net taxable estate the grand total deductions shown are diminished by the deductions in excess of gross estate shown for 1928 in column "No net taxable estate."

[3] Credit for payments of estate, inheritance, legacy, or succession taxes actually made to any of the several States or Territories.

[4] Deductions in excess of gross estate.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 214.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1929

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT								
Consols of 1930:			*Per cent*					
Act of Mar. 14, 1900	Apr. 1, 1900	After Apr. 1, 1930	2	Jan., Apr., July, and Oct. 1.	$100.5116	$839,146,340	$646,250,150	$599,724,050
Panama Canal Loan:								
Acts of June 28, 1902, and Dec. 21, 1905	Aug. 1, 1906	After Aug. 1, 1916; on Aug. 1, 1936.	2	Feb., May, Aug., and Nov. 1.	103.513	130,000,000	54,631,980	48,954,180
	Nov. 1, 1908	After Nov. 1, 1918; on Nov. 1, 1938.	2	do	102.436		30,000,000	25,947,400
Acts of Aug. 5, 1909; Feb. 4, 1910; and Mar. 2, 1911.	June 1, 1911	On June 1, 1961	3	Mar., June, Sept., and Dec. 1.	102.582	290,569,000	50,000,000	49,800,000
Postal Savings bonds:								
Act of June 25, 1910	Jan. 1, July 1, 1911–1929.	On and after 1 year; 20 years from issue.	2½	Jan. and July 1	Par	Indefinite.	16,887,180	16,887,180
Conversion bonds:								
Act of Dec. 23, 1913	Jan. 1, 1916 and 1917.	30 years from issue	3	Jan., Apr., July, and Oct. 1.	Exchange at par.		28,894,500	28,894,500
First Liberty Loan:								
First 3½'s, act of Apr. 24, 1917	June 15, 1917	On and after June 15, 1932; on June 15, 1947.	3½		Par	5,538,945,460	1,989,455,550	1,397,685,200
First 4's, acts of Apr. 24, 1917, and Sept. 24, 1917.[1]	Nov. 15, 1917	do	4	June and Dec. 15	Conversion at par.	1,989,455,550	568,318,450	5,155,450
First 4¼'s; same acts	May 9, 1918	do	4¼		do	1,989,455,550	555,212,300	532,816,100
First second 4¼'s; same acts	Oct. 24, 1918	do	4¼		do	1,413,566,550	3,492,150	3,492,150
Fourth Liberty Loan:								
Act of Sept. 24, 1917[1]	do	On and after Oct. 15, 1933; on Oct. 15, 1938.	4¼	Apr. and Oct. 15	Par	12,016,484,950	6,964,581,100	6,278,359,550
Treasury bonds, act of Sept. 24, 1917:[1]								
4¼ per cent bonds of 1947–1952	Oct. 16, 1922	On and after Oct. 15, 1947; on Oct. 15, 1952.	4¼	do	Par	619,314,850	619,314,850	758,984,300
					Exchange at par.	144,647,450	144,647,450	
4 per cent bonds of 1944–1954	Dec. 15, 1924	On and after Dec. 15, 1944; on Dec. 15, 1954.	4	June and Dec. 15	Par	224,513,500	224,513,500	1,036,834,500
					Exchange at par.	532,420,300	532,420,300	
3¾ per cent bonds of 1946–1956	Mar. 15, 1926	On and after Mar. 15, 1946; on Mar. 15, 1956.	3¾	Mar. and Sept. 15	100.50	290,154,700	290,154,700	489,087,
					100.50	494,898,100	494,898,100	

[1] As amended.

No. 214.—Public Debt of the United States: Debt Outstanding, by Specific Loans, June 30, 1929—Continued

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT—contd.								
Treasury bonds, act of Sept. 24, 1917 [1]—Contd.			*Per cent*					
3⅜ per cent bonds of 1943–1947	June 15, 1927	On and after June 15, 1943; on June 15, 1947.	3⅜	June and Dec. 15	$100.50 Exchange at par.	$249,598,300 245,256,450	$249,598,300 245,256,450	$493,037,750
3⅜ per cent bonds of 1940–1943	July 16, 1928	On and after June 15, 1940; on June 15, 1943.	3⅜	do	Par Exchange at par.	251,521,400 107,521,550	251,521,400 107,521,550	359,042,950
Treasury notes, act of Sept. 24, 1917: [1]								
Series A–1930–1932	Mar. 15, 1927	On and after Mar. 15, 1930; on Mar. 15, 1932.	3½	Mar. and Sept. 15	do		1,360,456,450	1,138,047,400
Series B–1930–1932	Sept. 15, 1927	On and after Sept. 15, 1930; on Sept. 15, 1932.	3½	do	Par Exchange at 100.125		250,522,600 368,973,100	603,015,550
Series C–1930–1932	Jan. 16, 1928	On and after Dec. 15, 1930; on Dec. 15, 1932.	3½	June and Dec. 15	Exchange at par.		607,399,650	513,046,550
Adjusted service—								
Series A–1930	Jan. 1, 1925	After Jan. 1, 1926; on Jan. 1, 1930.	4	Jan. 1	Par		50,000,000	15,000,000
Series A–1931	Jan. 1, 1926	After Jan. 1, 1927; on Jan. 1, 1931.	4	do	do		53,500,000	53,500,000
Series B–1931	Mar. 5, 1926	After Mar. 5, 1927; on Jan. 1, 1931.	4	do	do	Not exceeding $7,500,000,000 outstanding at any one time.	70,000,000	70,000,000
Series A–1932	Jan. 1, 1927	After Jan. 1, 1928; on Jan. 1, 1932.	4	do	do		123,400,000	123,400,000
Series A–1933	Jan. 1, 1928	After Jan. 1, 1929; on Jan. 1, 1933.	4	do	do		123,400,000	123,400,000
Series A–1934	Jan. 1, 1929	After Jan. 1, 1930; on Jan. 1, 1934.	4	do	do		127,700,000	127,700,000
Civil service retirement fund—								
Series 1931	Mar. 14, 1927	After Mar. 14, 1928; on June 30, 1931.	4	June 30	do		31,200,000	31,200,000
Series 1932	June 30, 1927	After June 30, 1928; on June 30, 1932.	4	do	do		14,400,000	14,400,000
Series 1933	Various dates from June 30, 1928.	After 1 year from date of issue; on June 30, 1933.	4	do	do		47,800,000	47,800,000
Foreign service retirement fund—								
Series 1933	do	do	4	do	do		529,000	502,000

Certificates of indebtedness, act of Sept. 24, 1917:[1]								
Series TS-1929	Oct. 15, 1928	On Sept. 15, 1929	4¾	Mar. and Sept. 15	Par	Not exceeding $10,000,000,000 outstanding at any one time.	308,806,000	307,806,000
Series TS2-1929	Dec. 15, 1928	do	4¼	do	do		209,918,000	202,818,000
Series TD-1929	do	On Dec. 15, 1929	4¼	June and Dec. 15	do		310,245,500	273,169,000
Series TD2-1929	Mar. 15, 1929	do	4¾	Sept. and Mar. 15	do		475,998,500	452,197,000
Series TM-1930	June 15, 1929	On Mar. 15, 1930	5⅛	do	do		404,209,500	404,209,500
Treasury savings certificates,[2] act of Sept. 24, 1917:[1]								
Series 1924, issue of Dec. 1, 1923	Dec. 1, 1923	5 years from date of issue.	3½-4½	Sold at discount, payable at par on maturity.		Not exceeding $4,000,000,000 outstanding at any one time.	126,484,432	13,028,019
Total interest-bearing debt								16,638,941,379
Total matured debt on which interest has ceased.								50,751,399

Title and authorizing act	Authorized to be outstanding at one time	Issues or deposits, including reissues	Authorized to be outstanding at present time	Outstanding
NONINTEREST-BEARING DEBT				
Old demand notes:				
Acts of July 17, 1861; Aug. 5, 1861; Feb. 12, 1862	$60,000,000	[3] $60,030,000		$53,013
Fractional currency:				
Acts of July 17, 1862; Mar. 3, 1863; June 30, 1864	50,000,000	[3] 368,724,080		[4] 1,991,560
Legal-tender notes:				
Acts of Feb. 25, 1862; July 11, 1862; Mar. 3, 1863; May 31, 1878; Mar. 14, 1900; Mar. 4, 1907	450,000,000		$346,681,016	346,681,016
National-bank notes (redemption account—balance remaining of deposits by National banks to redeem their circulating notes):				
Act of July 14, 1890	Indefinite.			45,337,150
Thrift and Treasury savings stamps, unclassified sales, etc				3,481,318
Total noninterest-bearing debt				397,544,057
Total debt				17,087,236,836
Less gold reserve				156,039,088
Gross debt as shown on statement of the public debt June 30, 1928				16,931,197,748

[1] As amended.
[2] Amounts issued and amounts outstanding of Treasury savings certificates are on basis of net redemption value.
[3] Including reissues.
[4] After deducting amounts officially estimated to have been lost or irrevocably destroyed.

Source: Annual Report of the Secretary of the Treasury.

No. 215.—PUBLIC DEBT OF THE UNITED STATES: 1800 TO 1930

[All figures except per capita in thousands of dollars]

June 30—	Gross debt[1] Amount	Gross debt[1] Per capita	Interest bearing[2]	Matured	Non-interest bearing[1]
1800	82,976	$15.63			
1810	53,173	7.34			
1820	91,016	9.44			
1830	48,565	3.77			
1840	3,573	.21			
1850	63,453	2.74			
1855	35,588	1.32	35,418	170	
1860	64,844	2.06	64,683	161	
1865	2,677,920	77.07	2,217,709	2,120	458,090
1866	2,755,764	77.69	2,322,116	4,436	429,212
1867	2,650,168	73.19	2,238,955	1,739	409,474
1868	2,583,446	69.87	2,191,326	1,248	390,874
1869	2,545,111	67.41	2,151,495	5,112	388,503
1870	2,436,453	63.19	2,035,881	3,570	397,003
1871	2,322,052	58.70	1,920,697	1,949	399,406
1872	2,209,991	54.44	1,800,794	7,927	401,270
1873	2,151,210	51.62	1,696,484	51,929	402,797
1874	2,159,933	50.47	1,724,931	3,216	431,786
1875	2,156,277	49.06	1,708,676	11,425	436,175
1876	2,130,846	47.21	1,696,685	3,902	430,258
1877	2,107,760	45.47	1,697,888	16,649	393,223
1878	2,159,418	45.37	1,780,736	5,594	373,089
1879	2,293,913	47.05	1,887,716	37,015	374,181
1880	2,090,909	41.69	1,709,993	7,621	373,295
1881	2,019,286	39.35	1,625,568	6,724	386,994
1882	1,856,016	35.37	1,449,810	16,201	390,845
1883	1,721,959	32.07	1,324,229	7,831	389,899
1884	1,625,307	29.60	1,212,564	19,656	393,088
1885	1,578,551	28.11	1,182,151	4,101	392,299
1886	1,555,660	27.10	1,132,014	9,704	413,941
1887	1,465,485	24.97	1,007,692	6,115	451,678
1888	1,384,632	23.09	936,522	2,496	445,613
1889	1,249,471	20.39	815,854	1,911	431,705
1890	1,122,397	17.92	711,313	1,816	409,268
1891	1,005,807	15.75	610,529	1,615	393,663
1892	968,219	14.88	585,029	2,786	380,404
1893	961,432	14.49	585,037	2,094	374,301
1894	1,016,898	$15.04	635,042	1,851	380,005
1895	1,096,913	15.91	716,202	1,722	378,989
1896	1,222,729	17.40	847,364	1,637	373,729
1897	1,226,794	17.14	847,365	1,347	378,082
1898	1,232,743	16.90	847,367	1,263	384,113
1899	1,436,701	19.33	1,046,049	1,218	389,434
1900	1,263,417	16.56	1,023,479	1,176	238,762
1901	1,221,572	15.71	987,141	1,416	233,016
1902	1,178,031	14.89	931,070	1,281	245,680
1903	1,159,406	14.40	914,541	1,205	243,659
1904	1,130,259	13.88	895,157	1,971	239,131
1905	1,132,357	13.60	895,158	1,370	235,829
1906	1,142,523	13.50	895,159	1,128	246,236
1907	1,147,178	13.33	894,834	1,087	251,257
1908	1,177,690	13.46	897,504	4,130	276,056
1909	1,148,315	12.91	913,317	2,884	232,114
1910	1,146,940	12.69	913,317	2,125	231,498
1911	1,153,985	12.28	915,353	1,880	236,752
1912	1,193,839	12.48	963,777	1,760	228,301
1913	1,193,048	12.26	965,707	1,660	225,682
1914	1,188,235	12.00	967,953	1,553	218,730
1915	1,191,264	11.83	969,759	1,507	219,998
1916	1,225,146	11.96	971,563	1,473	252,110
1917	2,975,619	28.57	2,712,549	14,232	248,837
1918	12,243,629	115.65	11,985,882	20,243	237,504
1919	25,482,034	240.09	25,234,496	11,109	236,429
1920	24,297,918	228.33	24,061,095	6,748	230,075
1921	23,976,251	221.82	23,737,352	10,940	227,959
1922	22,964,079	209.25	22,711,036	25,251	227,793
1923	22,349,688	200.86	22,007,591	98,172	243,925
1924	21,251,120	188.59	20,981,586	30,241	239,293
1925	20,516,272	179.80	20,210,906	30,243	275,123
1926	19,643,183	170.04	19,383,771	13,328	246,084
1927	18,510,174	158.28	18,250,944	14,707	244,523
1928	17,604,291	148.73	17,317,695	45,332	241,264
1929	16,931,198	141.34	16,638,941	50,751	241,505
1930[3]	16,185,310	133.53	15,921,892	31,717	231,701

Date	Gross debt[1]	Interest-bearing debt: Pre-war loans unmatured	Interest-bearing debt: Liberty and Treasury bonds	Interest-bearing debt: Notes (Victory Liberty loan and Treasury)	Interest-bearing debt: Certificates of indebtedness	Interest-bearing debt: Treasury savings securities[4]	Matured debt on which interest has ceased	Debt bearing no interest[1]
Apr. 5, 1917	1,281,989	1,023,557					1,459	256,952
June 30, 1917	2,975,629	973,357	1,466,335		272,857		14,232	248,837
June 30, 1918	12,243,629	966,166	8,963,714		1,706,205	349,797	20,243	237,504
June 30, 1919	25,482,034	883,360	16,304,310	3,467,845	3,624,983	953,097	11,109	236,429
Aug. 31, 1919[5]	26,594,268	883,463	16,219,399	4,113,405	4,201,209	931,302	9,914	235,576
June 30, 1920	24,297,918	883,540	15,334,836	4,246,365	2,768,926	827,419	6,748	230,075
June 30, 1921	23,976,251	883,728	15,235,216	4,224,972	2,699,330	694,105	10,940	227,959
June 30, 1922	22,964,079	883,840	15,081,613	4,237,780	1,828,787	679,015	25,251	227,793
June 30, 1923	22,349,688	883,670	15,651,108	4,104,195	1,031,418	337,199	98,172	243,925
June 30, 1924	21,251,120	883,704	15,141,756	3,735,309	807,514	413,304	30,241	239,293
June 30, 1925	20,516,272	765,316	16,076,974	2,404,241	578,685	385,690	30,243	275,123
June 30, 1926	19,643,183	765,860	16,162,418	1,612,404	483,279	359,816	13,328	246,084
June 30, 1927	18,510,174	766,550	14,453,845	2,019,195	702,096	309,259	14,707	244,523
June 30, 1928	17,604,291	768,133	12,252,685	2,900,001	1,252,408	144,469	45,332	241,264
Dec. 31, 1928	17,309,742	769,196	11,360,180	2,816,602	1,950,110	94,718	82,986	235,951
June 30, 1929	16,931,198	770,207	11,354,495	2,861,012	1,640,200	13,028	50,751	241,505
Dec. 31, 1929	16,300,920	771,373	11,338,821	2,512,935	1,305,542	[6] 100,000	39,560	232,689
June 30, 1930[3]	16,185,310	772,545	11,338,791	2,390,287	1,264,355	[6] 155,016	31,717	231,701

[1] After deducting gold reserve.
[2] Exclusive of bonds issued to the Pacific railways and the Navy pension fund.
[3] Preliminary.
[4] Amounts outstanding of series of 1918, 1919, 1920, and 1921 (except issue of Dec. 15, 1921) are amounts issued on the basis of reports of sales or of cash receipts less amounts retired on the basis of redemption value. Amounts outstanding of all other series are the net redemption value. Includes net receipts from the sale of thrift stamps and Treasury savings stamps prior to June 30, 1926.
[5] Maximum figure.
[6] Treasury bills (maturity value).

Source: Annual reports of the Secretary of the Treasury.

No. 216.—PUBLIC DEBT OF THE UNITED STATES: SUMMARY OF TRANSACTIONS IN INTEREST-BEARING SECURITIES DURING THE FISCAL YEAR 1929

[All figures in thousands of dollars]

Account	Total	Pre-war bonds	Liberty and Treasury bonds	Treasury notes	Certificates of indebtedness	Treasury (war) savings securities
Outstanding June 30, 1928	17,317,695	768,133	12,252,685	2,900,001	1,252,408	144,469
Issued during the fiscal year 1929:						
Upon original subscription against cash	5,169,696	2,075	359,043	161,077	4,637,488	10,013
Upon exchange, etc., for securities of equal par value retired—						
Exchange—						
Interim certificates	4		4			
Coupon for registered	262,173	414	261,759			
Registered for coupon	235,134		235,134			
Of denominations	2,242,696		451,307	329,018	1,462,372	
Temporary for permanent	2,055		2,055			
Mutilated for perfect [1]	38		32	6	[2]	
Transfer of ownership	142,381	55,696	66,011	20,517		[3] 157
Upon adjudicated claims for replacement	413	1	383			29
Total issued during the fiscal year 1929	8,054,590	58,186	1,375,727	510,618	6,099,860	10,200
Retired during the fiscal year 1929:						
Account of redemption—						
Purchases—						
Cumulative sinking fund	167,302		162,351	4,951		
Surplus money in the Treasury	112,030		31,302		80,728	
Repayments of principal by foreign governments	553		553			
Franchise tax receipts	2,667			2,667		
Net earnings from Federal intermediate credit banks	266			266		
Securities received for redemption—						
Cumulative sinking fund	202,975		202,975			
Gifts, forfeitures, or miscellaneous	151		139	12		
Redemption-exchange in payment for—						
Treasury bonds of 1940–1943	107,522		107,522			
Certificates of indebtedness, series TJ–1929	102,859		102,859			
Estate or inheritance taxes	20		20			
Repayment of principal by foreign governments	37,913			37,895	18	
Interest payments on obligations of foreign governments	137,747			137,747		
Prior to call or maturity	300,433			16,527	283,064	842
At maturity	4,641,343		629,060		3,873,176	139,107
Account of exchange, etc., for securities of equal par value issued—						
Exchange—						
Interim certificates	4		4			
Coupon for registered	262,173	414	261,759			
Registered for coupon	235,134		235,134			
Of denominations	2,242,696		451,307	329,018	1,462,372	
Temporary for permanent	2,055		2,055			
Mutilated for perfect [1]	38		32	6	[2]	
Transfer of ownership	142,381	55,696	66,011	20,517		[3] 157
Account of loss or destruction [4]	413	1	383			29
Total retired during the fiscal year 1929	8,698,674	56,111	2,253,463	549,607	5,699,359	140,135
Outstanding June 30, 1929	16,673,611	770,207	11,374,948	2,861,012	1,652,910	14,534
Deduct interest-bearing debt which matured during the year	34,670		20,453		12,710	1,506
Outstanding June 30, 1929 (per public debt statement)	16,638,941	770,207	11,354,495	2,861,012	1,640,200	13,028

[1] Includes coupon error transactions.
[2] $500.
[3] Represents reissue transactions.
[4] Covered by insurance or bonds of indemnity.

Source: Annual Report of the Secretary of the Treasury.

No. 217.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS DURING THE YEARS ENDED JUNE 30, 1917 TO 1929

[All figures in thousands of dollars]

	1917–1924	1925	1926	1927	1928	1929
Gross debt outstanding at beginning of period or year	1, 225, 146	21, 251, 120	20, 516, 272	19, 843, 183	18, 510, 174	17, 804, 291
Interest-bearing debt	971, 563	20, 981, 586	20, 210, 900	19, 383, 771	18, 250, 944	17, 317, 695
Matured debt on which interest has ceased	1, 473	30, 241	30, 243	13, 328	14, 707	45, 332
Debt bearing no interest (less gold reserve)	252, 110	239, 293	275, 123	246, 084	244, 523	241, 264
Public debt issues	88, 816, 997	3, 152, 463	3, 008, 357	5, 185, 083	6, 855, 341	5, 194, 342
Pre-war issues	73, 155	102	544	690	1, 583	2, 075
Certificates of indebtedness	60, 319, 114	1, 920, 579	2, 355, 515	3, 145, 735	5, 419, 284	4, 037, 488
First Liberty loan	1, 989, 456					
Second Liberty loan	3, 807, 865					
Third Liberty loan	4, 175, 650					
Fourth Liberty loan	6, 964, 581					
Victory Liberty loan	4, 495, 373					
Treasury notes	4, 247, 744	50, 000	123, 500	1, 529, 456	1, 365, 247	161, 077
Treasury bonds	763, 962	1, 047, 089	494, 898	467, 802	27, 053	359, 043
Treasury (war) savings securities	1, 626, 532	23, 247	11, 677	13, 572	17, 052	10, 015
National-bank notes, deposits for retirement	353, 564	105, 447	22, 223	27, 828	25, 122	24, 644
Public debt redemptions	68, 791, 022	3, 887, 311	3, 881, 447	6, 318, 082	7, 761, 224	5, 867, 435
Pre-war issues	160, 937	117, 075	640	213	88	109
Certificates of indebtedness	59, 508, 742	2, 157, 555	2, 449, 743	2, 927, 254	4. 867, 363	4, 240, 027
First Liberty loan	37. 931	5	12, 307	54	4	5
Second Liberty loan	703, 278	28	31	1, 798, 148	1, 273, 632	23, 143
Third Liberty loan	1, 178, 450	111, 823	397, 105	340, 608	918, 816	1, 208, 395
Fourth Liberty loan	640, 086	14	9	27, 560	2, 863	15, 684
Victory Liberty loan	4, 481, 662	6, 942	2, 807	1. 282	959	497
Treasury notes	500, 313	1, 373, 392	930, 485	1, 119, 512	490, 215	201, 477
Treasury bonds	14		1	10, 000	150	12, 695
Treasury (war) savings securities	1, 213, 228	50, 861	33, 850	64, 162	178, 827	141, 055
National-bank notes, retirements	361, 529	68, 974	54, 400	28, 061	27, 687	24, 346
Miscellaneous noninterest-bearing debt	4, 852	643	569	1, 233	619	1
Gross debt outstanding at close of period or year	21, 251, 120	20, 516, 272	19, 843, 183	18, 510, 174	17, 804, 291	16, 931, 198
Interest-bearing	20, 981, 586	20, 210, 900	19, 383, 771	18, 250, 944	17, 317, 695	16, 638, 941
Matured debt on which interest has ceased	30, 241	30, 243	13, 328	14, 707	45, 332	50, 751
Debt bearing no interest less gold reserve	239, 293	275, 123	246, 084	244, 523	241, 264	241, 505

No. 218.—PAYMENTS AND LOANS OF UNITED STATES TO CARRIERS

Section of transportation act of 1920, as amended, and character of transactions	To or as of—		
	Nov. 15, 1922	June 30, 1928	June 30, 1929
Payments to carriers under section 204 *for reimbursement of deficits on account of Federal control:*	*Dollars*	*Dollars*	*Dollars*
Partial payments	2. 177. 651	2, 207, 651	2, 207, 651
Final payments (less refunds of overpayments)	2. 961, 899	8, 748, 479	8, 760, 150
Total certified	5. 139. 550	10. 956. 131	10, 967, 802
Deductions [1]	972. 596	1. 918. 555	1, 921. 389
Payments to carriers under guaranty provided in section 209:			
Advances	263, 935, 874	263, 935, 874	263, 935, 874
Partial payments	168, 930, 412	169, 441, 912	169, 441, 912
Final payments (less refunds of overpayments)	17. 224. 517	98, 327, 849	98, 329. 331
Total	450. 090. 804	531, 705, 635	531, 707. 117
Payments by carriers to United States under section 209 (d) on account of excess earnings		446, 638	446, 638
Loans to carriers under section 210:			
Total loans made to date	317, 886, 667	350, 600, 667	350, 600. 667
Total repayments to date	98, 684, 546	281, 339, 219	293, 215. 875
Account outstanding	219, 202, 122	69, 261. 448	57. 384. 792

[1] Amount due from the carriers to the President on account of traffic balances or other indebtedness and payable to the Director General of Railroads as his agent. This amount should be deducted from the total certified to arrive at the amount paid to the carriers direct.

Source of Tables 217 and 218: Annual Report of the Secretary of the Treasury.

No. 219.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES: AMOUNT OF INDEBTEDNESS AND PAYMENTS RECEIVED ON ACCOUNT

[All figures in thousands of dollars]

Country	Total indebtedness, Dec. 31, 1928	Indebtedness, Dec. 31, 1929				
		Total	Funded		Unfunded	
			Principal (net)	Accrued interest [1]	Principal (net)	Accrued interest
Total	11,827,011	11,678,093	11,302,210	34,332	229,467	112,085
Armenia	17,323	17,921			11,960	5,962
Austria [2]	35,602	24,615			24,615	
Belgium	411,130	408,180	408,180			
Czechoslovakia [3]	174,571	171,571	171,571			
Estonia	16,071	16,305	13,830	2,475		
Finland	8,712	8,659	8,659			
France	[4] 4,025,000	3,900,000	3,900,000			
Great Britian	4,453,000	4,426,000	4,426,000			
Greece	20,250	32,231	32,231			
Hungary	1,932	1,920	1,920			
Italy	2,027,000	2,022,000	2,022,000			
Latvia	6,685	6,796	5,775	1,021		
Lithuania [5]	6,262	6,272	6,272			
Nicaragua	302	313			291	22
Poland	206,187	209,396	178,560	30,836		
Rumania [3]	65,661	65,161	65,161			
Russia	289,073	298,703			192,601	106,102
Yugoslavia	62,250	62,050	62,050			

Country	Payments to Dec. 31, 1929					Payments during year ended Dec. 31, 1929		
	Total	Funded indebtedness		Unfunded indebtedness [6]				
		Principal	Interest	Principal	Interest	Total	Principal	Interest
Total	[7] 2,273,331	345,130	974,857	281,990	671,354	[7] 211,715	[7] 61,270	150,445
Belgium	40,066	9,600	9,865	2,058	18,544	5,575	2,950	2,625
Cuba [8]	12,287			10,000	2,287			
Czechoslovakia	13,804	13,500			304	3,000	3,000	
Estonia	701		700		1	250		250
Finland	2,511	341	1,861		309	314	53	261
France	411,076	125,000		64,690	221,386	32,435	22,251	10,184
Great Britian	1,685,048	174,000	950,970	202,182	357,897	160,590	27,000	133,590
Greece	1,671	266	243	3	1,159	512	269	243
Hungary	370	62	307		1	60	11	58
Italy	77,963	20,000		364	57,599	5,000	5,000	
Latvia	431		300		131	90		90
Liberia [8]	36			26	10			
Lithuania	773	161	611		2	179	35	144
Nicaragua	169			141	28			
Poland	12,048		10,000		2,048	3,000		3,000
Rumania	3,462	1,400		1,799	263	500	500	
Russia	[9] 8,749				[9] 8,749			
Yugoslavia	2,164	800		728	636	200	200	

[1] Accrued and unpaid interest on funded debts due to exercise of options to pay specified amounts over first 5 years in lieu of total amounts due, for which bonds similar to those originally issued under funding agreement will be given upon expiration of the options for the full amount deferred.

[2] The act of Feb. 4, 1929, authorized the indebtedness of Austria in the amount of $24,615,000 to be funded as of Jan. 1, 1928. Payment of $288,000, the first installment of principal due, was made on Jan. 1, 1929, which amount is held in a special account until the agreement is actually concluded.

[3] Indebtedness includes deferred payments provided for in the funding agreement for which gold bonds of the debtor government have been or will be delivered to the Treasury.

[4] Upon ratification of the funding agreement in December 1929, $92,565,000 received from June 15, 1925 (the date as of which the debt was funded) to Dec. 31, 1928, was applied toward the annuities first due thereunder.

[5] Increase in indebtedness over amount funded due to exercise of options to pay one-half of the interest due on original issue of bonds in bonds of debtor government.

[6] Payments of governments which have funded were made prior to the dates of the funding agreements.

[7] Does not include a payment of $288,000, made by Austria on Jan. 1, 1929. See note 2.

[8] Cuba and Liberia have paid in full both principal and interest due on their obligations.

[9] Represents proceeds of liquidation of financial affairs of Russian Government in this country.

Source: Treasury Department.

No. 220.—SUMMARY OF SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, AS OF JUNE 30, 1927 TO 1929

NOTE.—This statement is made up on the basis of the face value of the securities as received by the United States, with due allowance for repayments. It does not include securities which the United States holds as collateral, or as the result of the investment of trust funds; as, for example, securities held for the account of the Alien Property Custodian, the United States Government life insurance fund, and other similar trust funds. For details of foreign obligations Dec. 31, 1929, see Table 219

[All figures in thousands of dollars]

Class of security	1927	1928	1929
Grand total	11,238,030	11,108,951	11,115,050
Foreign obligations	10,912,549	10,904,547	10,897,564
Received under debt settlements	6,813,155	7,198,880	7,257,928
All other [1]	4,094,394	3,705,667	3,639,636
Capital stock of war emergency corporations [2]	48,911	55,008	42,144
Emergency Fleet Corporation	15,769	24,314	13,020
Hoboken Manufacturers Railroad Co.	469		
U. S. Housing Corporation	32,642	30,684	29,024
U. S. Spruce Corporation	100	100	100
Railroad obligations	230,484	74,609	62,609
Capital stock of Panama R. R.	7,000	7,000	7,000
Capital stock of Inland Waterways Corporation	4,000	5,000	7,500
Capital stock of Federal land banks	842	556	383
Capital stock of Federal intermediate credit banks	25,000	25,000	30,000
Securities received by War and Navy Departments on account of sales of surplus war supplies and property	9,250	7,462	6,099
Securities received by U. S. Shipping Board on account of sales of ships, etc.	50,003	29,680	61,052

[1] Figures do not include interest accrued and unpaid.
[2] Figures represent balance after offsetting the deposits made by the corporations with the Treasury against holdings of capital stock. Capital stock outstanding of the War Finance Corporation, which is in liquidation, was more than offset by deposits with the Treasury.

Source: Annual Report of the Secretary of the Treasury.

No. 221.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT TO JUNE 30, 1929

NOTE.—Data, which are partly estimated, include expenditures during the war period taken as extending from Apr. 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau, interest on war debt, and construction of veterans' hospitals, to June 30, 1929. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1927

[All figures in thousands of dollars]

	Total war costs	Receipts	Assets June 30, 1921, (partly estimated)	Net war costs
Total	50,361,435	3,782,588	9,004,888	37,573,960
Military activities	16,283,569	981,574	452,402	14,849,594
Naval activities	3,480,782	24,439	55,000	3,401,343
War emergency corporations [1]	4,387,600	487,729	911,598	2,988,273
War expenditures under other departments and war agencies [2]	3,541,813	544,916	115,887	2,881,009
Interest on war debt to June 30, 1929	9,494,730			9,494,730
Foreign obligations (June 30, 1927)	[3] 9,598,227	1,743,930	[4] 7,470,000	384,306
Veterans' Bureau (continuing cost to June 30, 1929) [5]	3,524,565			3,524,565
Settlement of war claims act of 1928	50,140			50,140

[1] Includes data for War Finance Corporation revised to June 30, 1929.
[2] Includes expenditures, receipts, etc., under Federal control of transportation systems and expenditures for hospital construction to June 30, 1929.
[3] Represents obligations acquired for cash advances under Liberty bond acts.
[4] Value June 30, 1927 on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its public debt), of payments to be received on all accounts under funding agreements, including the debts of Austria and Greece on a similar basis.
[5] Expenditures prior to 1922 by the War Risk Bureau are included with "War expenditures under other departments and war agencies."

Source: Annual Report of the Secretary of the Treasury.

10. STATE, MUNICIPAL, AND LOCAL GOVERNMENT FINANCES

No. 222.—TAXES: Total Levies of Ad Valorem General Property Taxes of States, Counties, and Minor Civil Divisions

NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, townships, school districts, etc., and for all purposes. They do not cover "special assessments" on property benefited by specific improvements nor special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1870 and 1890, by States, see Table 437, Statistical Abstract of 1922

Division and State	Levies of general property taxes (thousands of dollars)					Amount per capita (dollars)				
	1860	1880	1902	1912	1922	1860	1880	1902	1912	1922
Grand total	94,187	313,921	724,737	1,349,341	3,503,725	3.00	6.26	9.22	13.91	32.23
New England	13,565	42,492	76,306	127,232	270,516	4.33	10.60	13.29	18.53	35.59
Maine	2,257	5,182	6,856	8,987	22,295	3.59	7.99	9.78	11.86	28.83
New Hampshire	1,262	3,179	4,166	6,978	15,029	3.87	9.16	9.95	15.98	33.71
Vermont	908	1,745	1,911	4,020	9,188	2.38	5.25	5.52	11.17	26.07
Massachusetts	7,437	24,327	49,219	82,566	156,285	6.04	13.64	17.06	23.27	39.33
Rhode Island	686	2,693	6,133	8,192	19,926	3.93	9.74	13.65	14.13	32.12
Connecticut	1,015	5,366	8,021	16,489	47,794	2.21	8.62	8.53	13.95	33.30
Middle Atlantic	25,551	94,130	211,936	384,266	840,028	3.43	8.97	13.17	17.71	36.66
New York	15,303	56,393	132,711	221,467	454,878	3.96	11.09	17.49	22.80	42.72
New Jersey	1,458	8,958	20,956	49,424	145,355	2.17	7.92	10.54	17.98	44.27
Pennsylvania	8,780	28,779	58,269	93,375	239,795	3.00	6.72	8.95	11.52	26.70
East North Central	23,531	78,502	172,421	292,021	869,632	3.40	7.00	10.47	15.36	39.27
Ohio	9,611	25,757	47,460	76,697	224,423	4.11	8.05	11.15	15.45	37.63
Indiana	3,701	11,943	27,968	45,644	117,138	2.74	6.04	10.84	16.53	39.26
Illinois	6,122	24,586	53,013	84,834	250,380	3.58	7.99	10.56	14.37	37.60
Michigan	1,707	8,628	23,477	47,998	168,797	2.36	5.27	9.48	16.34	43.90
Wisconsin	2,330	7,588	20,503	36,848	108,044	3.00	5.77	9.61	15.23	40.45
West North Central	7,442	35,490	95,010	180,440	490,829	3.43	5.78	9.00	15.06	38.52
Minnesota	666	4,346	17,761	38,108	107,325	3.87	5.57	9.65	17.47	43.78
Iowa	2,378	11,062	22,603	36,570	105,842	3.52	6.81	10.17	16.45	43.36
Missouri	4,110	11,832	21,785	35,491	91,445	3.48	5.46	6.82	10.58	26.64
North Dakota	———	[1] 478	4,180	11,875	31,167	———	3.54	11.44	17.97	47.13
South Dakota	———		4,329	10,720	32,483	———		10.69	16.67	50.18
Nebraska	92	2,792	9,499	19,781	53,236	3.19	6.17	8.89	16.04	40.26
Kansas	196	4,980	14,847	27,895	69,331	1.83	5.00	10.14	16.55	38.83
South Atlantic	9,580	21,553	48,365	91,136	255,316	1.79	2.84	4.31	7.15	17.73
Delaware	206	604	1,317	1,791	4,841	1.83	4.12	7.00	8.61	21.20
Maryland	2,159	5,437	10,698	16,360	40,026	3.14	5.82	8.79	12.30	26.95
District of Columbia	260	1,469	3,351	5,399	12,366	3.47	8.27	11.62	15.51	28.25
Virginia	3,673	4,694	6,896	13,822	33,878	2.30	3.10	3.64	6.49	14.32
West Virginia	———	1,994	5,507	10,026	38,435	———	3.22	5.52	7.67	25.39
North Carolina	1,045	1,916	3,975	9,989	37,017	1.05	1.37	2.04	4.33	13.98
South Carolina	1,280	1,840	3,736	6,899	20,886	1.82	1.85	2.73	4.39	12.09
Georgia	798	3,014	8,204	18,414	35,673	.75	1.95	3.58	6.73	12.01
Florida	159	585	2,681	8,436	32,194	1.13	2.17	4.79	10.22	31.44
East South Central	5,057	11,996	27,187	51,663	125,781	1.26	2.16	3.50	5.95	13.98
Kentucky	2,148	5,201	10,462	17,609	37,322	1.86	3.15	4.74	7.56	15.28
Tennessee	1,103	2,516	7,626	14,112	35,127	.99	1.63	3.68	6.31	14.83
Alabama	851	2,062	4,899	9,971	22,684	.88	1.63	2.59	4.45	9.46
Mississippi	955	2,217	4,180	9,911	30,648	1.21	1.96	2.61	5.28	17.12
West South Central	6,129	10,794	29,985	77,723	222,351	3.51	3.24	4.35	8.17	21.05
Arkansas	635	1,889	4,446	10,621	17,476	1.46	2.20	3.30	6.40	9.77
Louisiana	4,961	4,386	8,478	14,432	41,562	7.01	4.67	5.91	8.27	22.65
Oklahoma	———	———	[2] 3,377	19,705	54,079	———	———	[2] 3.77	10.16	25.69
Texas	533	4,569	13,684	32,965	109,234	.88	2.87	4.26	7.90	22.66
Mountain	95	4,717	24,312	54,327	144,468	.54	7.22	13.76	18.45	41.23
Montana	———	384	4,092	11,245	26,008	———	9.80	15.53	26.83	43.94
Idaho	———	187	1,895	6,952	18,569	———	5.73	11.11	18.35	40.68
Wyoming	———	230	1,074	2,610	8,365	———	11.07	11.16	15.98	40.68
Colorado	———	2,152	10,741	16,931	44,588	———	11.07	19.34	19.17	45.75
New Mexico	30	164	1,410	3,426	8,805	.32	1.37	7.15	9.26	23.89
Arizona	———	293	1,635	4,358	15,352	———	7.25	12.59	18.88	42.54
Utah	65	435	2,848	6,529	17,711	1.61	3.02	9.81	16.13	37.82
Nevada	———	372	617	2,276	5,068	———	14.00	14.57	24.02	65.47
Pacific	3,237	14,247	41,235	111,033	284,756	7.29	12.78	16.42	23.28	48.61
Washington	57	505	9,003	31,205	66,283	4.94	6.73	16.43	23.21	47.13
Oregon	199	1,114	4,920	17,139	40,090	3.79	6.37	11.43	22.64	49.55
California	2,981	12,628	27,312	62,689	178,383	7.85	14.60	17.81	23.50	48.97

[1] Dakota Territory.

[2] Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

No. 223.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX, 1927

NOTE.—Data shown are taxable values of property subject to the general property tax for the use of State governments. Property belonging to railroads, telegraph companies, and a number of similar corporations is in some States distinguished as real or personal, but in a number of States it is treated as a single total. In the latter case, figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete distinction of real from personal are not shown separately but are included in the totals

[All figures in millions of dollars]

Division and State	Total [1]	Real property	Personal property
Grand total	[2] 146,432	[2] 112,488	[2] 27,832
New England	12,624	10,332	2,192
Maine	725	579	146
New Hampshire	664	528	84
Vermont	315	214	54
Massachusetts	7,076	6,020	1,056
Rhode Island	1,299	846	453
Connecticut	2,545	2,145	399
Middle Atlantic	38,185	33,767	3,950
New York	20,795	20,530	265
New Jersey	6,112	4,774	871
Pennsylvania [2]	11,278	8,463	2,814
East North Central	37,156	27,180	8,647
Ohio	13,496	9,361	4,134
Indiana	5,188	3,787	1,401
Illinois	4,195	3,038	801
Michigan	8,106	6,294	1,416
Wisconsin [3]	6,171	4,700	895
West North Central	18,676	12,973	4,149
Minnesota	2,365	1,714	651
Iowa	1,545	819	637
Missouri	4,967	3,536	947
North Dakota	998	722	276
South Dakota	1,805	1,421	254
Nebraska	3,322	2,376	611
Kansas	3,674	2,385	773
South Atlantic	12,126	8,783	2,599
Delaware	257	[4] 257	(4)
Maryland	2,349	1,689	659
South Atlantic—Contd.			
Virginia [5]	2,109	1,193	916
West Virginia	2,130	1,249	411
North Carolina [2]	2,798	[4] 2,798	(4)
South Carolina	422	223	199
Georgia	1,275	750	320
Florida	786	624	94
East South Central	6,560	3,986	1,966
Kentucky	2,993	1,523	1,470
Tennessee	1,721	1,277	160
Alabama	1,122	725	180
Mississippi	724	461	156
West South Central	7,942	5,402	2,241
Arkansas	615	421	194
Louisiana	1,725	1,078	647
Oklahoma	1,697	1,094	304
Texas	3,905	2,809	1,096
Mountain	4,816	3,168	800
Montana	436	256	89
Idaho	483	344	27
Wyoming	462	257	95
Colorado	1,565	1,052	280
New Mexico	315	144	97
Arizona	656	571	82
Utah	696	376	124
Nevada	203	168	36
Pacific	8,347	6,897	1,286
Washington	1,216	979	238
Oregon	1,111	812	137
California [2]	6,020	5,106	913

[1] See headnote.
[2] No general property tax levied for State purposes in Pennsylvania, North Carolina, and California, but assessed valuation of property for local taxation in these States is shown.
[3] Real and personal property ($5,594,839,198) not taxed for State purposes.
[4] Valuation of personal property included with that of real property.
[5] Only personal intangible and certain classes of public service corporations taxed for State purposes.

Source: Bureau of the Census, Department of Commerce.

No. 224.—PUBLIC DEBT: GROSS DEBT LESS SINKING FUND ASSETS OF ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

Government organization	1880	1890	1902	1912	1922
Total (thousands of dollars)	3,042,605	1,989,113	[1] 2,838,896	4,850,460	30,845,626
National [2]	1,919,327	851,913	969,457	1,028,564	22,155,886
States	274,746	211,210	[1] 230,369	345,942	935,544
Counties	124,105	145,048	196,565	371,528	1,272,700
Incorporated places and all other civil divisions	724,428	780,942	1,433,505	3,104,426	6,481,406
Per capita (dollars): [3]					
National [2]	38.27	13.60	12.22	10.59	203.78
States	5.48	3.37	3.03	3.57	8.64
Counties	2.47	2.51	2.80	4.33	13.18

[1] Revised figure.
[2] Gross debt less cash in the Treasury as of June 30, 1880, 1891, 1903, 1913, and 1923.
[3] Not computed for incorporated places and all other civil divisions.

Source of Tables 223 and 224: Bureau of the Census, Department of Commerce.

No. 225.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental cost payments over revenue receipts represents, approximately, increase of indebtedness

	1925			1926			1927		
	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total
Revenue receipts, total	1,485,242	13.19	100.0	1,655,495	14.29	100.0	1,758,381	14.99	100.0
General property taxes	358,602	3.18	24.1	375,074	3.24	22.7	370,435	3.16	21.1
Special property and other special taxes	235,864	2.09	15.9	268,323	2.32	16.2	301,942	2.57	17.2
Inheritance taxes	85,894	.76	5.8	90,632	.78	5.5	105,947	.90	6.0
Income taxes	27,535	.24	1.9	38,628	.33	2.3	54,959	.47	3.1
Bank and other corporation stock taxes	68,807	.61	4.6	65,683	.57	4.0	75,649	.64	4.3
All other	53,628	.48	3.6	73,380	.63	4.4	65,387	.56	3.7
Poll taxes	3,930	.03	.3	3,650	.03	.2	3,426	.03	.2
Licenses	508,974	4.52	34.3	616,629	5.32	37.2	670,324	5.79	38.6
Special assessments	31,176	.28	2.1	28,107	.24	1.7	27,078	.23	1.5
Fines, forfeits, and escheats	7,314	.06	.5	7,507	.06	.5	7,912	.07	.4
Subventions, donations, and pension assessments	143,491	1.27	9.7	139,148	1.20	8.4	138,770	1.18	7.9
Interest, rents, and highway privileges	67,063	.60	4.5	76,265	.66	4.6	81,921	.70	4.7
Earnings of general departments	118,732	1.05	8.0	129,289	1.12	7.8	134,881	1.15	7.7
Earnings of public-service enterprises	10,096	.09	.7	10,894	.09	.7	12,692	.11	.7
Governmental-cost payments, total	1,614,562	14.34	100.0	1,614,538	13.94	100.0	1,726,989	14.72	100.0
Operation and maintenance	1,043,876	9.27	64.6	1,049,311	9.06	65.0	1,129,479	9.63	65.4
General departments	1,035,478	9.19	64.1	1,040,235	8.98	64.4	1,120,005	9.55	64.9
General government	85,569	.76	5.3	86,871	.75	5.4	99,759	.85	5.8
Protection to person and property	55,834	.49	3.5	59,747	.52	3.7	63,770	.55	3.7
Development and conservation of natural resources	56,386	.50	3.5	62,696	.54	3.9	64,598	.55	3.7
Health and sanitation	24,838	.22	1.5	25,549	.22	1.6	27,825	.24	1.6
Highways	144,280	1.28	8.9	156,639	1.35	9.7	170,793	1.46	9.9
Charities, hospitals, and corrections	168,755	1.50	10.5	178,580	1.54	11.1	193,225	1.65	11.2
Education	397,700	3.53	24.6	416,282	3.59	25.7	447,044	3.81	25.9
Recreation	2,746	.02	.2	3,542	.03	.2	4,039	.03	.2
Miscellaneous	99,370	.88	6.2	51,329	.44	3.2	48,952	.42	2.8
Public-service enterprises	8,398	.07	.5	9,076	.08	.6	9,474	.08	.5
Interest	67,662	.60	4.2	76,869	.66	4.8	78,722	.67	4.6
Outlays	503,024	4.47	31.2	488,358	4.22	30.2	518,788	4.42	30.0
Highway construction	418,760	3.72	25.9	398,925	3.44	24.7	404,164	3.44	23.4
All other	84,264	.75	5.2	89,433	.77	5.4	114,624	.98	6.6

No. 226.—STATE REVENUES AND EXPENDITURES PER CAPITA

Year	Per capita revenue receipts			Per capita governmental cost payments for operation, maintenance, and interest		
	Total	From taxes	From all other revenue	Total	For expenses	For interest
1915	$4.66	$3.71	$0.94	$4.06	$3.87	$0.19
1917	5.14	4.02	1.11	4.42	4.21	.21
1919	6.43	5.02	1.40	5.42	5.18	.23
1922	10.71	7.93	2.79	8.89	8.50	.38
1923	11.38	8.37	3.01	8.73	8.26	.46
1924	12.31	9.14	3.16	9.60	9.10	.50
1925	13.19	9.82	3.35	9.87	9.27	.60
1926	14.29	10.91	3.37	9.72	9.06	.66
1927	14.99	11.55	3.44	10.30	9.63	.67

Source of Tables 225 and 226: Bureau of the Census, Department of Commerce.

No. 227.—STATE FINANCES: TOTAL REVENUE RECEIPTS AND GOVERNMENTAL COST PAYMENTS FOR OPERATION, MAINTENANCE, AND INTEREST

[All figures in thousands of dollars]

Division and State	Revenue receipts				Governmental cost payments for operation, maintenance, and interest			
	1915	1922	1926	1927	1915	1923	1926	1927
Grand total	458,233	1,159,527	1,655,495	1,768,351	399,714	962,275	1,126,180	1,208,201
New England	45,631	105,214	123,278	135,792	37,925	74,142	89,388	93,570
Maine	5,796	13,076	15,098	17,420	5,057	10,940	11,201	12,103
New Hampshire	2,418	6,537	7,200	7,783	1,599	4,413	5,719	5,982
Vermont	2,630	5,053	6,385	7,209	2,478	4,216	4,734	4,995
Massachusetts	24,051	51,339	55,296	60,147	19,011	33,029	41,156	42,490
Rhode Island	3,215	7,393	9,699	10,575	2,952	5,436	7,084	7,161
Connecticut	7,491	21,816	29,600	32,658	6,828	15,508	19,494	20,839
Middle Atlantic	104,957	263,212	337,391	422,457	96,097	228,775	272,117	292,115
New York	53,777	134,681	193,940	216,474	49,306	113,589	148,207	158,429
New Jersey	17,999	42,083	68,615	76,045	17,055	40,856	46,031	47,281
Pennsylvania	33,181	86,448	124,836	130,038	29,736	66,330	77,879	86,405
East North Central	91,377	223,612	286,967	300,072	74,310	199,930	192,142	207,444
Ohio	20,849	53,689	51,146	53,627	16,752	54,734	39,739	42,929
Indiana	10,706	25,588	42,294	43,078	9,743	19,016	24,393	26,273
Illinois	26,239	45,042	75,224	79,483	16,992	30,874	48,807	50,021
Michigan	17,703	61,738	77,989	77,456	16,916	69,777	50,258	57,028
Wisconsin	15,880	37,555	40,314	46,428	13,907	25,529	28,385	31,193
West North Central	56,898	148,175	209,733	224,219	46,473	127,341	138,602	146,577
Minnesota	19,470	42,262	57,249	63,766	13,692	29,708	30,649	40,500
Iowa	9,489	31,907	34,774	37,541	7,637	16,325	22,710	23,850
Missouri	10,001	26,871	42,095	42,772	8,875	40,047	27,148	27,190
North Dakota	3,801	8,752	18,491	19,428	3,551	8,009	14,830	15,296
South Dakota	3,204	11,059	17,474	16,338	3,015	14,117	13,425	12,768
Nebraska	5,116	14,944	17,362	17,287	4,207	8,611	9,096	11,012
Kansas	5,817	12,380	22,288	27,087	5,496	10,524	14,135	15,911
South Atlantic	37,902	111,595	192,322	201,924	35,672	91,064	126,145	137,172
Delaware	856	4,855	7,880	7,786	740	3,822	4,771	5,067
Maryland	7,497	18,463	23,218	24,440	6,750	13,533	18,573	19,670
Virginia	9,358	26,501	33,764	38,996	8,408	19,777	22,257	24,526
West Virginia	3,264	12,348	19,449	20,758	3,562	11,375	14,275	15,463
North Carolina	4,706	13,164	30,475	35,827	4,531	15,108	21,524	24,277
South Carolina	2,729	8,399	17,121	17,464	2,880	6,417	13,125	13,217
Georgia	6,385	17,317	25,727	29,262	6,206	12,137	20,834	20,175
Florida	3,107	10,548	28,688	27,391	2,595	8,895	10,786	14,777
East South Central	25,301	59,914	90,408	95,648	28,217	47,102	61,211	66,530
Kentucky	8,046	17,917	28,268	30,720	8,671	12,887	17,723	18,590
Tennessee	5,135	15,465	25,116	26,535	5,283	11,163	15,086	16,977
Alabama	7,178	15,382	19,048	21,999	7,338	12,532	16,568	17,939
Mississippi	4,942	11,150	17,976	16,394	4,925	10,520	12,834	13,024
West South Central	36,534	84,420	150,020	158,801	31,867	79,144	98,706	108,022
Arkansas	3,799	7,500	20,191	20,312	3,758	6,863	12,084	13,351
Louisiana	8,735	20,087	26,794	28,126	7,203	15,212	17,969	20,445
Oklahoma	5,276	14,974	30,929	31,676	4,979	12,695	15,737	17,375
Texas	18,724	41,859	72,106	78,687	15,927	44,374	52,916	56,851
Mountain	19,086	61,832	69,477	71,946	16,469	38,272	45,476	50,951
Montana	3,284	8,458	8,419	8,780	3,004	5,064	5,793	6,356
Idaho	2,078	5,767	7,918	8,161	1,800	4,295	4,722	5,469
Wyoming	1,243	6,599	8,550	8,824	1,005	2,862	4,382	5,549
Colorado	3,640	13,858	15,206	16,348	3,902	8,781	10,784	11,800
New Mexico	1,946	5,955	6,717	6,999	1,233	3,904	4,180	5,094
Arizona	2,248	9,427	7,714	7,710	1,919	4,854	5,622	6,020
Utah	3,712	8,531	11,056	11,052	2,549	6,779	7,886	8,461
Nevada	935	3,237	3,807	4,062	1,057	1,733	2,107	2,190
Pacific	40,547	101,553	145,899	147,522	34,684	78,505	102,393	105,820
Washington	11,367	22,485	31,014	35,622	7,996	13,908	21,154	23,638
Oregon	4,541	19,448	22,937	22,955	3,558	15,172	13,487	14,887
California	24,639	59,620	91,948	88,945	23,130	49,425	67,752	67,295

Source: Bureau of the Census, Department of Commerce.

No. 228.—STATE FINANCES: Revenue Receipts and Governmental Cost Payments of State Governments, 1927

Note.—All figures except per capita in thousands of dollars. See headnote, Table 225

Division and State	Revenue receipts				Governmental cost payments for operation, maintenance, and interest				Outlays for permanent improvements
	Total		General and special property taxes	All other revenues	Total		Operation and maintenance	Interest	
	Amount	Per capita			Amount	Per capita			
Grand total	1,758,381	$14.99	470,236	1,288,145	1,208,201	$10.30	1,129,479	78,722	518,788
New England	135,792	16.64	39,149	96,643	93,570	11.47	89,654	3,916	31,832
Maine	17,420	22.02	5,908	11,512	12,103	15.30	11,277	826	8,007
New Hampshire	7,783	17.14	2,861	4,922	5,982	13.18	5,908	74	1,820
Vermont	7,209	20.46	2,298	4,911	4,995	14.17	4,911	84	2,057
Massachusetts	60,147	14.19	18,617	41,530	42,490	10.02	40,879	1,611	7,085
Rhode Island	10,575	15.04	4,068	6,507	7,161	10.19	6,497	664	3,806
Connecticut	32,658	20.15	5,397	27,261	20,839	12.86	20,182	657	9,051
Middle Atlantic	422,467	17.08	110,109	312,348	292,115	11.81	271,221	20,894	102,353
New York	215,474	18.96	38,252	177,222	158,429	13.94	144,711	13,718	46,936
New Jersey	76,045	20.47	37,765	38,280	47,281	12.73	44,209	3,072	24,709
Pennsylvania	130,938	13.55	34,092	96,846	86,405	8.94	82,301	4,104	30,709
East North Central	300,072	12.30	78,277	201,795	207,444	8.50	196,012	11,432	89,178
Ohio	53,627	8.06	7,950	45,677	42,929	6.45	41,953	976	10,913
Indiana	43,078	13.70	13,347	29,731	26,273	8.36	26,195	78	13,846
Illinois	79,483	10.96	35,369	44,114	50,021	6.90	44,076	5,945	20,769
Michigan	77,456	17.43	34,773	42,683	57,028	12.84	52,718	4,310	20,993
Wisconsin	46,428	16.00	6,838	39,590	31,193	10.75	31,070	123	13,657
West North Central	224,219	17.05	58,395	165,824	146,577	11.15	132,613	13,964	70,966
Minnesota	63,706	23.89	14,304	49,402	40,560	15.20	36,700	3,860	12,575
Iowa	37,541	15.49	11,971	25,570	23,850	9.84	23,033	817	13,053
Missouri	42,772	12.19	7,443	35,329	27,190	7.75	23,892	3,298	19,602
North Dakota	19,428	30.30	3,848	15,580	15,296	23.85	13,664	1,632	3,792
South Dakota	16,338	23.58	4,778	11,560	12,758	18.41	9,653	3,105	3,630
Nebraska	17,287	12.44	6,290	10,997	11,012	7.92	10,975	37	9,209
Kansas	27,087	14.85	9,701	17,386	15,911	8.72	14,696	1,215	9,105
South Atlantic	201,924	13.21	36,990	164,934	137,172	8.98	124,630	12,542	100,561
Delaware	7,786	32.31	2,128	5,658	5,067	21.03	4,619	448	2,085
Maryland	24,440	15.34	6,640	17,800	19,670	12.35	18,252	1,418	5,134
Virginia	38,996	15.40	8,691	30,305	24,526	9.69	23,762	764	12,759
West Virginia	20,758	12.33	3,766	16,992	15,463	9.19	12,952	2,511	11,964
North Carolina	35,827	12.45	765	35,062	24,277	8.44	18,152	6,125	22,502
South Carolina	17,464	9.47	3,306	14,158	13,217	7.16	12,816	401	9,820
Georgia	29,262	9.23	6,514	22,748	20,175	6.36	19,866	309	13,255
Florida	27,391	20.44	5,180	22,211	14,777	11.03	14,211	566	23,042
East South Central	95,648	10.24	28,447	67,201	66,530	7.12	62,546	3,984	39,669
Kentucky	30,720	12.14	10,494	20,226	18,590	7.34	17,972	618	11,143
Tennessee	26,535	10.72	5,211	21,324	16,977	6.86	16,075	902	10,963
Alabama	21,999	8.65	8,136	13,863	17,939	7.05	16,265	1,674	12,006
Mississippi	16,394	9.16	4,606	11,788	13,024	7.27	12,234	790	5,557
West South Central	158,801	13.71	43,151	115,650	108,022	9.33	106,813	1,209	41,012
Arkansas	20,312	10.62	6,423	13,889	13,351	6.98	13,193	158	7,344
Louisiana	28,126	14.54	9,433	18,693	20,445	10.57	19,721	724	8,981
Oklahoma	31,676	13.41	2,448	29,228	17,375	7.35	17,250	125	10,764
Texas	78,687	14.66	24,847	53,840	56,851	10.59	56,649	202	13,923
Mountain	71,946	18.78	24,300	47,646	50,951	13.30	48,632	2,319	10,682
Montana	8,780	16.00	1,951	6,829	6,356	11.58	5,928	428	1,840
Idaho	8,161	15.37	2,234	5,927	5,469	10.30	5,136	333	3,163
Wyoming	8,824	36.76	1,498	7,326	5,549	23.12	5,407	142	2,162
Colorado	16,348	15.24	5,612	10,736	11,866	11.00	11,185	621	4,341
New Mexico	6,999	17.95	1,915	5,084	5,094	13.06	4,917	177	3,052
Arizona	7,710	17.06	4,616	3,094	6,020	13.32	5,932	88	1,524
Utah	11,062	21.36	5,195	5,867	8,461	16.33	8,003	458	1,975
Nevada	4,062	52.48	1,279	2,783	2,196	28.37	2,124	72	1,635
Pacific	147,522	21.61	31,418	116,104	105,820	15.50	97,358	8,462	32,535
Washington	35,622	22.75	16,618	19,004	23,638	15.09	22,921	717	11,117
Oregon	22,955	25.88	5,119	17,836	14,887	16.78	11,981	2,906	7,183
California	88,945	20.33	9,681	79,264	67,295	15.38	62,456	4,839	14,235

Source: Bureau of the Census, Department of Commerce.

No. 229.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

NOTE.—For details of public debt in 1927 see Table 230

Division and State	Total (thousands of dollars)						Per capita (dollars)			
	1880	1890	1902	1912	1922	1927	1880	1902	1912	1927
Grand total	274,746	211,210	[1] 234,965	345,942	935,544	1,593,731	5.48	2.99	3.57	13.59
New England	36,746	20,435	74,961	95,570	110,458	111,415	2.16	13.06	13.92	13.65
Maine	5,512	3,642	2,785	1,255	12,906	21,789	8.49	3.97	1.67	27.55
New Hampshire	3,630	2,691	1,551	1,956	3,018	1,818	10.46	3.71	4.50	4.00
Vermont	151	149	363	570	2,112	1,694	.45	1.05	1.58	4.81
Massachusetts	20,785	9,812	65,964	79,551	76,996	64,609	11.66	22.87	22.78	15.24
Rhode Island	1,701	380	2,620	5,127	9,338	18,385	6.15	5.83	9.02	26.15
Connecticut	4,967	3,761	1,678	7,111	6,088	3,120	7.98	1.78	6.12	1.93
Middle Atlantic	22,191	6,954	5,576	56,847	252,865	401,411	2.11	.53	4.22	16.22
New York	7,659	1,800	8,187	86,205	186,542	244,331	1.51	1.08	9.05	21.50
New Jersey	649	947	(2)	642	16,355	63,294	.57	------	.24	17.04
Pennsylvania	13,883	4,207	389	(2)	49,968	93,786	3.24	.06	------	9.71
East North Central	22,180	24,980	18,598	18,105	99,446	246,158	1.95	1.13	.95	10.09
Ohio	10,023	6,998	4,685	5,142	30,143	20,302	3.13	1.10	1.05	3.05
Indiana	4,996	8,567	2,914	1,350	2,325	2,272	2.53	1.13	.49	.72
Illinois	1,446	1,811	2,155	2,273	13,880	142,233	.47	.43	.39	19.62
Michigan	3,253	5,308	6,566	7,089	50,934	79,687	1.99	2.65	2.41	17.94
Wisconsin	2,462	2,276	2,278	2,251	2,164	1,664	1.87	1.07	.93	.57
West North Central	28,906	17,392	10,233	8,180	74,681	160,330	4.37	.97	.68	12.19
Minnesota	5,417	2,426	1,755	1,345	20,308	16,712	6.94	.95	.63	6.26
Iowa	546	245	50	357	1,457	22,045	.34	.02	.16	9.09
Missouri	19,509	11,760	4,366	4,071	30,456	70,289	9.00	1.37	1.40	20.03
North Dakota	------	715	908	820	5,913	5,034	------	2.64	1.29	7.85
South Dakota	------	872	457	370	15,431	18,380	------	1.08	.58	26.52
Nebraska	440	264	2,005	374	1,038	2,921	.97	1.88	.31	2.10
Kansas	994	1,120	692	243	78	24,940	1.00	.43	.14	13.68
South Atlantic	78,908	70,218	51,645	51,942	123,630	336,235	10.39	4.86	4.07	22.00
Delaware	905	888	762	763	5,834	8,889	6.18	4.05	3.70	36.88
Maryland	11,119	7,551	4,943	7,334	22,129	23,916	11.89	4.06	5.56	15.01
Virginia [3]	32,764	34,986	23,546	22,043	21,756	27,240	21.66	12.76	10.46	10.76
West Virginia [3]	128	184	------	------	24,181	52,033	.21	------	------	30.92
North Carolina	15,422	7,709	6,755	8,059	34,713	164,673	11.02	3.47	3.54	57.24
South Carolina	7,478	1,318	6,730	6,190	8,729	36,430	7.51	4.88	3.98	19.75
Georgia	9,918	10,450	7,876	6,934	5,419	11,313	6.43	3.44	2.57	3.57
Florida	1,174	1,132	1,033	619	869	11,741	4.36	1.84	.77	8.76
East South Central	47,592	37,490	35,880	33,546	56,984	88,035	8.52	4.62	3.89	9.42
Kentucky	1,094	1,671	2,291	4,441	7,745	8,676	.66	1.04	1.90	3.43
Tennessee	30,803	19,696	17,985	11,812	19,142	19,842	19.97	8.68	5.32	8.01
Alabama	12,371	12,438	12,727	13,132	15,233	42,339	9.80	6.73	5.95	16.65
Mississippi	3,324	3,685	2,877	4,461	14,864	17,178	2.94	1.79	2.41	9.59
West South Central	35,877	25,689	19,287	26,369	28,493	34,118	10.76	2.80	2.77	2.95
Arkansas	6,789	5,443	1,191	1,236	2,722	3,547	8.46	.88	.76	1.85
Louisiana	23,438	16,008	13,593	13,546	14,829	18,766	24.94	9.48	7.89	9.70
Oklahoma	------	------	510	6,931	4,797	3,746	------	1.10	3.74	1.59
Texas	5,650	4,238	3,993	4,656	6,145	8,059	3.55	1.24	1.14	1.50
Mountain	701	4,975	11,322	13,273	50,546	46,875	1.07	6.41	4.51	12.24
Montana	70	175	1,204	1,513	7,579	8,324	1.79	4.57	3.73	15.16
Idaho	83	219	324	2,143	7,673	7,028	2.54	1.84	5.92	13.24
Wyoming	17	320	301	122	4,011	2,718	.82	3.12	.77	11.32
Colorado	147	1,647	3,797	3,174	12,019	13,021	.75	6.72	3.70	12.14
New Mexico	------	870	999	1,218	4,954	4,467	------	4.94	3.41	11.45
Arizona	------	757	3,099	3,065	2,740	2,115	------	23.86	13.28	4.68
Utah	9	450	974	1,430	9,819	7,485	.06	3.36	3.62	14.45
Nevada	375	537	624	606	1,751	1,717	6.03	14.70	6.70	22.19
Pacific	3,645	3,097	4,463	11,810	135,441	169,154	3.27	1.77	2.48	24.77
Washington	------	573	1,272	1,556	13,191	13,585	------	2.31	1.21	8.68
Oregon	512	2	236	31	39,983	36,585	2.98	.54	.04	41.25
California	3,133	2,522	2,955	10,223	85,267	118,984	3.62	1.92	3.83	27.20

[1] Revised figure $239,369,000, not distributed by States.
[2] Sinking-fund assets exceed total debt.
[3] Virginia-West Virginia debt settlement not made until 1919.

Source: Bureau of the Census, Department of Commerce.

No. 230.—DEBT OF STATE GOVERNMENT: BY CLASSES, 1927

[All figures, except per capita, in thousands of dollars]

Division and State	Gross debt at close of year							
	Total		Funded or fixed	Floating		Special assessment bonds and certificates	Current	
	Amount	Per capita		Debt to public trust funds	All other		Revenue bonds and notes	Warrants
Grand total	1,995,428	$17.01	1,725,729	38,378	34,903	110,221	51,339	33,858
New England	189,984	23.28	101,245	2,559		85,905	169	106
Maine	21,789	27.55	20,104	1,464			165	56
New Hampshire	1,831	4.03	736	1,095				
Vermont	1,604	4.81	1,604					
Massachusetts	126,463	29.83	40,546			85,905	4	8
Rhode Island	21,874	31.12	21,874					
Connecticut	16,333	10.08	16,201					42
Middle Atlantic	516,912	20.97	516,374	822	274		482	960
New York	342,037	30.10	341,059	689	252		32	5
New Jersey	77,235	20.79	77,100	116				19
Pennsylvania	99,640	10.31	98,215	17	22		450	936
East North Central	266,168	10.91	242,851	14,428			184	8,705
Ohio	20,411	3.07	13,752	5,485				1,174
Indiana	2,272	.72	1,650				134	488
Illinois	145,174	20.02	141,285	1,815				2,074
Michigan	96,847	21.75	84,500	7,128			50	4,969
Wisconsin	1,064	.57	1,064					
West North Central	282,402	21.47	259,639	4,399	4,109		5,157	9,095
Minnesota	61,190	22.93	56,116					5,074
Iowa	23,226	9.58	17,875		3,494		219	1,638
Missouri	73,119	20.83	68,390	4,399			51	279
North Dakota	32,623	50.88	32,108				60	455
South Dakota	62,711	90.49	58,650		615		2,350	1,096
Nebraska	2,921	2.10					2,477	444
Kansas	26,612	14.59	26,500					112
South Atlantic	362,814	23.74	290,256	2,100	30,300	10,250	26,452	3,456
Delaware	10,962	45.48	10,951				11	
Maryland	32,594	20.40	32,551				43	
Virginia	30,502	12.05	26,596	1,635	1,668		166	437
West Virginia	57,095	33.92	56,599				496	
North Carolina	171,653	59.66	153,294	125			16,939	1,295
South Carolina	36,747	19.92	5,322	250	24,312		6,734	129
Georgia	11,416	3.60	4,943	90	4,320		2,063	
Florida	11,845	8.84				10,250		1,595
East South Central	88,113	9.43	66,431	12,070			8,407	1,205
Kentucky	8,085	3.43	31	2,480			6,168	6
Tennessee	19,842	8.01	14,695	2,527			2,000	620
Alabama	42,348	16.65	36,881	4,683			239	545
Mississippi	17,238	9.63	14,824	2,380				34
West South Central	34,213	2.95	25,013	1,997			2,334	4,869
Arkansas	3,583	1.87	3,053				6	524
Louisiana	18,706	9.70	14,462	1,997			2,307	
Oklahoma	3,805	1.61	3,134					671
Texas	8,059	1.50	4,364				21	3,674
Mountain	53,796	14.04	40,101	380		2,972	8,027	2,316
Montana	9,586	17.40	5,613				3,259	714
Idaho	7,748	14.59	5,503				2,021	224
Wyoming	3,014	12.56	1,909				997	108
Colorado	13,401	12.49	11,793				1,224	384
New Mexico	4,514	11.57	3,368			872	1	273
Arizona	2,979	6.59	748			2,100		131
Utah	10,645	20.55	9,705				525	415
Nevada	1,909	24.66	1,462	380				67
Pacific	199,026	29.15	183,819	623	220	11,094	127	3,143
Washington	14,914	9.52	14,200		41			673
Oregon	64,537	72.76	64,048					489
California	119,575	27.33	105,571	623	179	11,094	127	1,981

Source: Bureau of the Census, Department of Commerce.

No. 231.—BONDED INDEBTEDNESS OF STATES, BY PURPOSE OF ISSUE

NOTE.—All figures in thousands of dollars. Data for the various States are not of identical date but with few exceptions are as of Jan. 1, 1928, or of more recent date. Four States (Florida, Nebraska, Kentucky, and Wisconsin) have no bonded indebtedness. Kentucky owes $10,887,000 on outstanding warrants, and Wisconsin is indebted to its trust fund to the amount of $1,664,000. "Total debt" includes indebtedness under issues for refunding and for miscellaneous purposes not shown separately. "Education" includes universities and public-school systems (cost of buildings and maintenance). "Welfare institutions" includes special and general hospitals, insane asylums, penal institutions, and reformatory schools. "Agricultural aid" includes rural credits, State Bank of North Dakota, agricultural experiment stations, forestry, etc. "Highways" includes bridges and grade-crossing elimination. "Other improvements" includes physical improvements other than highways, waterways, or buildings. "Other military purposes" includes armories, insurrection costs, and old war debts

Division and State	Total debt	Education	Welfare institutions	Agricultural aid	Public buildings	Highways	Waterways and harbors	Other improvements	Soldiers' bonus	Other military purposes
United States	1,971,354	43,012	65,766	120,188	26,562	900,931	224,485	141,551	282,430	9,571
New England:										
Maine	20,007					16,639		1,150	1,200	751
New Hampshire	586		85							500
Vermont	6,042	582			80				980	
Massachusetts	122,264		7,327		1,250	9,942	6,172	93,041		4,533
Rhode Island	21,874	1,280	4,100		5,195	6,563	976	550	2,500	730
Connecticut	16,291		2,000							
Middle Atlantic:										
New York	361,617		23,500			107,000	151,848	39,669	39,000	
New Jersey	83,116			116		71,000			12,000	
Pennsylvania	93,362					93,221				
East North Central:										
Ohio	12,500								12,500	
Indiana	340	340								
Illinois	145,293					97,000			48,275	
Michigan	82,250					50,000			30,000	
Wisconsin	[1] 1,664	[1] 1,664								
West North Central:										
Minnesota	89,019	2,471		46,950	175	32,967		25	5,660	772
Iowa	16,500								16,500	
Missouri	72,639	4,399				50,000			18,240	
North Dakota	33,359			33,359						
South Dakota	60,500			39,000		4,500		2,000	6,000	
Kansas	26,500								26,500	
South Atlantic:										
Delaware	11,377	562	35			10,530				
Maryland	29,231	635	471		6,750	17,828		1,469		
Virginia	26,422	2,407	1			7,428				
West Virginia	56,575					49,150				
North Carolina	155,693	14,585	23,648		250	98,500		1,643		
South Carolina	12,075			250	7					[2]
Georgia	4,893	292								
East South Central:										
Kentucky	[3] 10,887									
Tennessee	16,731	3,205	568		1,380	1,000		40		
Alabama	44,107					26,550	9,000			
Mississippi	15,300		1,500		1,761			1,860		
West South Central:										
Arkansas	32,123	2,372	328			26,000			3,000	
Louisiana	55,914		960			2,462	41,636			1,000
Oklahoma	1,073				1,000					
Texas	4,002									
Mountain:										
Montana	5,613	4,981			610					
Idaho	5,367	340	726		900	2,700		105		
Wyoming	1,909				9	1,900				
Colorado	11,643					8,800				1,191
New Mexico	3,870		125		284	2,300				83
Arizona	2,833		20		3					
Utah	9,660	300			1,600	7,260				
Nevada	1,842	78	373	63	298	500				
Pacific:										
Washington	10,200								10,200	
Oregon	65,563			450		34,467			28,500	
California	110,125	2,480			5,010	64,725	14,853		20,775	4

[1] Certificates of indebtedness to school and normal funds from general fund of State (not bonded indebtedness).
[2] Less than $500.
[3] Outstanding warrants (not bonded indebtedness).

Source: The Bank of America, New York, N. Y.

No. 232.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND GROSS DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[All figures except per capita in thousands of dollars]

Year	Gross debt					Sinking fund assets	Gross debt less sinking fund assets	
	Total	Funded or fixed [1]	Floating				Amount	Per capita
			Debt to public trust funds	Other floating [2]	Current [1, 3]			
1880	306,077	261,096	25,723	----------	19,198	31,271	274,746	$5.48
1890	258,195	204,641	33,642	----------	19,912	46,985	211,210	3.37
1895	225,488	174,560	37,742	----------	13,186	31,272	194,216	2.80
1900	205,133	214,316	39,015	----------	11,802	29,821	[4] 235,454	3.10
1902 [5]	274,149	163,319	40,808	----------	69,522	34,859	[4] 239,369	3.03
1905	278,135	228,831	38,252	----------	11,052	39,265	238,870	2.85
1910	322,949	271,607	39,486	----------	11,856	66,814	[4] 256,143	2.78
1912	422,797	290,494	38,530	----------	93,773	76,981	[4] 345,942	3.57
1915	532,713	403,156	33,508	147	95,902	88,038	444,675	4.52
1917	632,309	487,545	40,980	1,294	102,480	104,844	527,465	5.18
1918	657,642	509,113	40,630	944	106,855	125,905	531,637	5.14
1919	693,023	547,346	40,648	612	105,017	146,677	546,946	5.20
1922	1,162,948	986,859	([6])	[6] 42,068	134,721	227,105	935,543	8.64
1923	1,288,830	1,083,564	38,552	6,980	159,734	254,882	1,033,948	9.43
1924	1,592,643	1,358,932	43,459	1,490	188,762	310,943	1,281,700	11.52
1925	1,745,651	1,508,127	46,306	1,225	189,993	346,687	1,398,964	12.42
1926	1,858,037	1,609,764	39,635	13,143	195,495	378,056	1,479,981	12.77
1927	1,995,428	1,725,720	39,378	34,903	195,418	401,597	1,593,731	13.59

[1] Prior to 1925, contingent or special assessment debt was included with funded and fixed debt. In this table, it has been excluded from funded and fixed and included with current debt, except for 1880 to 1900, 1905, and 1910, when no segregation could be made.
[2] Not segregated prior to 1915; included with funded and fixed.
[3] Includes special assessment debt, revenue bonds and notes, and warrants.
[4] There was an excess of sinking fund assets over gross debt in one State.
[5] Revised figures. [6] Debt to public trust funds included with "Other floating."

No. 233.—LOCAL GOVERNMENT DEBT BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1922

NOTE.—All figures in thousands of dollars. For combined total, see Table 234

Division and State	Counties	Incorporated places	All other civil divisions
Grand total	**1,272,790**	**4,703,322**	**1,778,084**
New England	**14,557**	**395,823**	**29,871**
Maine	2,546	14,967	12,038
New Hampshire	621	9,814	3,670
Vermont	136	6,295	3,451
Massachusetts	9,764	242,362	820
Rhode Island	----------	39,901	----------
Connecticut	1,490	82,484	10,892
Middle Atlantic	**190,130**	**1,968,322**	**205,114**
New York	45,886	1,407,238	44,154
New Jersey	73,854	256,238	35,725
Pennsylvania	70,390	304,846	125,235
East North Central	**272,348**	**832,359**	**443,402**
Ohio	94,490	348,412	196,398
Indiana	77,115	30,484	42,868
Illinois	28,632	171,283	150,224
Michigan	42,632	218,152	50,060
Wisconsin	29,479	64,028	8,852
West North Central	**185,524**	**309,751**	**281,587**
Minnesota	81,262	103,834	64,204
Iowa	43,228	45,167	61,762
Missouri	17,915	28,687	41,218
North Dakota	5,852	12,715	15,786
South Dakota	6,512	12,403	16,208
Nebraska	8,757	37,444	50,516
Kansas	21,998	69,501	31,893
South Atlantic	**201,463**	**353,305**	**64,818**
Delaware	5,961	10,656	----------
Maryland	7,893	88,920	2,012
District of Columbia	----------	156	----------
South Atlantic—Continued.			
Virginia	22,102	75,023	**234**
West Virginia	24,859	10,699	10,773
North Carolina	67,012	67,209	13,687
South Carolina	21,556	26,747	7,978
Georgia	22,810	34,370	1,439
Florida	29,270	39,435	28,605
East South Central	**89,729**	**150,384**	**73,456**
Kentucky	12,340	25,880	4,554
Tennessee	43,528	65,686	4,981
Alabama	24,025	35,940	----------
Mississippi	9,836	22,878	63,921
West South Central	**142,713**	**243,205**	**290,135**
Arkansas	4,680	3,065	80,813
Louisiana	19,943	61,205	30,969
Oklahoma	21,850	60,800	42,530
Texas	96,240	118,135	135,823
Mountain	**81,151**	**120,763**	**120,316**
Montana	27,340	10,178	14,132
Idaho	11,239	14,105	29,176
Wyoming	2,444	8,672	4,001
Colorado	7,784	45,186	34,209
New Mexico	3,114	6,149	10,793
Arizona	20,086	11,888	10,259
Utah	6,427	17,337	16,458
Nevada	2,717	1,248	1,288
Pacific	**95,175**	**329,410**	**234,385**
Washington	21,920	84,901	49,051
Oregon	19,529	53,040	25,542
California	53,726	191,469	159,792

Source of Tables 232 and 233: Bureau of the Census, Department of Commerce.

No. 234.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS SINKING FUND ASSETS OF ALL CIVIL DIVISIONS

NOTE.—Debts of State governments are not included in this table but are included in Table 235. For subdivision by classes of government see Table 233

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	348, 533	925, 990	1, 630, 070	3, 475, 954	7, 754, 196	16. 92	14. 79	20. 74	35. 81	71. 61
New England	128, 664	128. 089	226, 516	295, 391	440, 251	32. 08	27. 25	39. 46	43. 03	57. 92
Maine	17, 724	12, 130	12, 261	21, 543	29, 551	27. 31	18. 35	17. 49	28. 42	38. 21
New Hampshire	7, 163	5, 457	9, 862	9, 345	13, 105	20. 64	14. 49	23. 56	21. 40	30. 47
Vermont	4, 348	3, 637	4, 854	6, 411	9, 882	13. 09	10. 94	14. 03	17. 81	28. 04
Massachusetts	71, 125	74, 283	143, 799	187, 578	252, 946	39. 89	33. 18	49. 35	52. 86	63. 66
Rhode Island	11, 270	12, 619	25, 530	25, 589	39, 901	40. 76	36. 52	56. 84	44. 15	64. 32
Connecticut	17, 034	19, 963	30, 210	44, 925	94, 866	27. 36	26. 75	32. 11	38. 01	66. 09
Middle Atlantic	353, 238	314, 739	637, 311	1, 481, 733	2, 363, 566	33. 65	24. 78	39. 62	71. 06	103. 15
New York	211, 187	199, 455	429, 185	1, 046, 227	1, 497, 278	41. 55	33. 25	56. 56	107. 71	140. 63
New Jersey	48, 733	48, 311	81, 204	169, 527	365, 817	43. 08	33. 43	40. 85	61. 66	111. 42
Pennsylvania	93, 318	66, 973	126, 922	245, 979	500, 471	21. 79	12. 74	19. 49	30. 34	55. 72
East North Central	119, 748	140, 270	271, 361	538, 510	1, 553, 109	10. 69	10. 41	16. 48	27. 84	70. 13
Ohio	43, 022	63, 930	112, 645	234, 525	639, 300	13. 45	17. 41	26. 45	47. 23	107. 20
Indiana	13, 357	15, 904	31, 914	66, 053	150, 467	6. 75	7. 25	12. 36	23. 93	50. 43
Illinois	44, 942	40, 657	78, 560	137, 208	350, 139	14. 60	10. 63	15. 65	23. 24	52. 58
Michigan	8, 803	11, 634	28, 272	52, 908	310, 844	5. 38	5. 56	11. 42	18. 02	80. 84
Wisconsin	9, 624	8, 145	20, 070	37, 816	102, 359	7. 32	4. 83	9. 41	15. 63	38. 00
West North Central	77, 225	138, 308	168, 670	274, 790	776, 862	12. 54	15. 56	15. 94	22. 94	60. 97
Minnesota	5, 911	23, 812	38, 929	69, 018	249, 300	7. 57	18. 29	21. 12	31. 64	101. 70
Iowa	7, 592	11, 026	17, 390	35, 069	150, 157	4. 67	5. 77	7. 82	15. 78	61. 52
Missouri	40, 755	39, 798	46, 031	56, 951	87, 820	18. 80	14. 85	14. 42	16. 98	25. 58
North Dakota	132	3, 139	4, 640	12, 441	34, 353	3. 57	17. 18	12. 67	18. 83	51. 96
South Dakota	867	5, 742	6, 127	12, 315	35, 123	8. 82	17. 46	14. 48	19. 15	54. 25
Nebraska	7, 050	15, 283	20, 410	36, 371	96, 717	15. 58	14. 43	19. 13	29. 50	73. 14
Kansas	14, 918	39, 509	35, 143	52, 625	123, 392	14. 98	27. 69	23. 99	31. 22	69. 11
South Atlantic	89, 012	95, 235	107, 584	203, 253	619, 586	11. 72	10. 75	9. 99	15. 94	44. 38
Delaware	1, 466	2, 031	3, 383	6, 097	16, 617	10. 00	12. 06	17. 99	29. 31	72. 42
Maryland	30, 310	33, 741	25, 701	52, 212	98, 825	32. 42	32. 37	21. 12	39. 25	66. 53
District of Columbia	22, 498	19, 781	14, 540	9, 061	156	126. 66	85. 86	50. 42	26. 03	. 36
Virginia	12, 755	16, 610	23, 934	39, 887	97, 359	8. 43	10. 03	12. 64	18. 73	41. 14
West Virginia	1, 514	2, 348	4, 768	11, 195	46, 331	2. 45	3. 08	4. 78	8. 57	30. 26
North Carolina	2, 540	3, 414	8, 593	26, 285	147, 998	1. 81	2. 11	4. 41	11. 39	55. 91
South Carolina	6, 707	6, 342	9, 021	15, 097	56, 281	6. 74	5. 51	6. 55	9. 60	32. 59
Georgia	9, 730	9, 823	13, 410	25, 614	58, 619	6. 31	5. 35	5. 85	9. 36	19. 74
Florida	1, 492	1, 145	4, 214	17, 805	97, 400	5. 53	2. 92	7. 52	21. 96	95. 11
East South Central	31, 104	36, 636	55, 178	126, 973	313, 569	5. 57	5. 70	7. 10	14. 61	34. 84
Kentucky	13, 888	17, 782	20, 550	25, 588	42, 774	8. 42	9. 56	9. 32	10. 95	17. 51
Tennessee	9, 947	9, 848	14, 733	47, 287	114, 195	6. 45	5. 57	7. 11	21. 13	48. 20
Alabama	5, 637	6, 518	14, 366	29, 930	59, 965	4. 46	4. 31	7. 59	13. 37	24. 83
Mississippi	1, 632	2, 508	5, 527	24, 168	96, 635	1. 44	1. 95	3. 45	12. 88	53. 97
West South Central	29, 410	35, 339	63, 715	211, 068	676, 053	3. 82	7. 78	9. 25	22. 18	64. 00
Arkansas	3, 944	2, 157	3, 034	12, 577	88, 558	4. 91	1. 91	2. 25	7. 58	49. 51
Louisiana	19, 428	17, 327	24, 184	61, 461	112, 117	20. 67	15. 49	16. 86	35. 21	61. 10
Oklahoma			[1] 4, 040	53, 790	125, 180			4. 50	27. 74	59. 48
Texas	6, 038	15, 855	32, 457	83, 238	350, 198	3. 79	7. 09	10. 11	19. 95	72. 44
Mountain	6, 106	19, 003	45, 463	99, 497	322, 230	9. 35	16. 43	25. 75	33. 78	91. 96
Montana	695	2, 751	7, 717	16, 633	57, 050	17. 75	20. 82	29. 30	39. 68	97. 40
Idaho	147	1, 376	3, 560	11, 987	54, 520	4. 51	16. 30	20. 18	31. 64	119. 43
Wyoming	189	1, 327	2, 266	4, 202	15, 117	9. 07	21. 87	23. 54	25. 73	73. 52
Colorado	3, 481	7, 811	18, 269	36, 473	87, 179	17. 92	18. 95	32. 34	41. 29	89. 91
New Mexico	85	1, 962	3, 581	6, 444	20, 056	. 71	12. 77	17. 70	17. 41	54. 42
Arizona	378	2, 181	3, 492	7, 324	42, 233	9. 33	36. 58	26. 89	31. 73	117. 02
Utah	107	767	5, 638	13, 859	40, 222	. 74	3. 69	19. 45	34. 24	85. 80
Nevada	1, 024	828	940	2, 575	5, 253	16. 45	18. 09	22. 21	27. 19	67. 87
Pacific	14, 026	18, 371	54, 294	274, 741	688, 970	12. 58	9. 82	21. 53	57. 61	117. 60
Washington	240	2, 846	28, 285	94, 415	155, 872	3. 19	8. 14	51. 40	70. 21	110. 83
Oregon	337	2, 478	11, 066	43, 797	98, 111	1. 93	7. 90	25. 57	57. 86	121. 27
California	13, 449	13, 047	14, 943	136, 529	434, 987	15. 55	10. 80	9. 71	51. 18	119. 40

[1] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce

No. 235.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	1,123,279	1,137,200	1,864,978	3,821,897	8,689,740	22.40	18.16	23.73	39.37	79.92
New England	165,410	148,524	301,478	390,960	550,709	41.24	31.60	52.52	56.95	72.46
Maine	23,286	15,772	15,047	22,798	42,457	35.81	23.86	21.46	30.08	54.90
New Hampshire	10,793	8,148	11,413	11,300	10,123	31.10	21.64	27.27	25.87	36.16
Vermont	4,499	3,785	5,217	6,981	11,994	13.54	11.39	15.08	19.39	34.03
Massachusetts	91,910	84,095	209,763	267,129	329,942	51.55	37.56	72.72	75.28	83.04
Rhode Island	12,971	12,999	28,150	30,716	49,239	46.91	37.62	62.67	52.99	79.38
Connecticut	22,002	23,725	31,888	52,036	100,954	35.33	31.79	33.89	44.03	70.33
Middle Atlantic	375,430	321,693	645,880	1,548,580	2,616,431	35.77	25.33	40.15	75.28	114.18
New York	218,846	201,256	437,372	1,132,432	1,683,820	43.06	33.55	57.64	116.59	158.15
New Jersey	49,383	49,258	81,147	170,169	382,172	43.66	34.09	40.82	61.89	116.40
Pennsylvania	107,202	71,180	127,311	245,979	550,439	25.03	13.54	19.55	30.34	61.28
East North Central	141,928	165,229	289,960	546,615	1,652,555	12.66	12.26	17.61	25.79	74.62
Ohio	53,044	70,927	117,230	239,667	669,443	16.59	19.32	27.55	48.27	112.25
Indiana	18,353	24,472	34,328	67,404	152,792	9.28	11.16	13.49	24.41	51.21
Illinois	46,389	42,468	80,715	139,480	364,019	15.07	11.10	16.08	23.62	54.66
Michigan	12,056	16,942	34,339	59,997	301,778	7.36	8.09	14.07	20.43	94.09
Wisconsin	12,086	10,421	22,348	40,067	104,523	9.19	6.18	10.48	16.56	38.81
West North Central	104,131	155,700	178,902	282,971	851,543	16.91	17.52	16.91	23.62	66.83
Minnesota	11,328	26,238	40,684	70,364	269,608	14.51	20.15	22.07	32.26	109.99
Iowa	8,138	11,271	17,440	35,426	151,614	5.01	5.90	7.84	15.94	52.11
Missouri	60,264	51,558	50,397	61,622	118,276	27.79	19.24	15.79	18.37	34.46
North Dakota	132	3,855	5,608	13,261	40,266	3.57	21.10	15.31	20.07	60.89
South Dakota	867	6,614	6,584	12,685	50,554	8.82	20.11	15.56	19.72	78.09
Nebraska	7,490	15,537	22,415	36,745	97,755	16.56	14.67	21.01	20.80	73.93
Kansas	15,912	40,029	35,774	52,868	123,470	15.97	28.47	24.42	31.36	69.16
South Atlantic	167,920	165,454	159,208	255,195	743,216	22.10	18.68	14.79	20.09	51.61
Delaware	2,371	2,919	4,145	6,860	22,451	16.17	17.32	22.04	32.98	98.32
Maryland	41,429	41,292	30,643	59,546	120,954	44.31	39.61	25.18	44.76	81.43
District of Columbia	22,498	19,781	14,540	9,061	156	126.66	85.86	50.42	26.03	.36
Virginia	45,519	51,597	47,481	61,930	119,115	30.09	31.16	25.07	29.09	50.33
West Virginia	1,641	2,532	[1] 4,768	[1] 11,195	70,512	2.65	3.32	[1] 4.78	[1] 8.57	46.58
North Carolina	17,963	11,124	15,348	34,344	182,711	12.83	6.87	7.88	14.88	69.03
South Carolina	14,185	13,660	15,751	21,287	65,010	14.25	11.87	11.43	13.54	37.64
Georgia	19,648	20,272	21,286	32,548	64,038	12.74	11.03	9.29	11.89	21.56
Florida	2,666	2,277	5,247	18,424	98,269	9.89	5.81	9.36	22.72	95.96
East South Central	78,696	74,126	91,055	160,320	370,553	14.09	11.53	11.54	18.51	41.17
Kentucky	14,982	19,433	22,842	30,031	50,519	9.09	10.46	10.36	12.85	20.68
Tennessee	40,750	29,544	32,717	59,098	133,337	26.42	16.71	15.79	26.41	56.27
Alabama	18,008	18,956	27,092	43,063	75,198	14.26	12.53	14.32	19.24	31.37
Mississippi	4,956	6,193	8,404	28,628	111,499	4.38	4.81	6.24	15.25	62.27
West South Central	65,287	61,028	83,002	237,435	704,548	19.58	13.43	12.05	24.95	66.70
Arkansas	10,733	7,600	4,226	13,813	91,280	13.37	6.73	3.13	8.32	51.03
Louisiana	42,865	33,335	37,777	75,007	126,946	45.60	29.80	26.34	42.97	69.18
Oklahoma			[2] 4,549	60,721	129,977			[2] 5.07	31.32	61.75
Texas	11,688	20,093	36,450	87,894	356,343	7.34	8.99	11.35	21.07	73.71
Mountain	6,807	23,978	56,786	112,770	372,776	10.42	20.74	32.16	38.29	106.38
Montana	765	2,926	8,921	18,146	65,229	19.54	22.15	33.87	43.29	110.20
Idaho	230	1,594	3,884	14,131	62,193	7.05	18.89	22.02	37.30	136.24
Wyoming	205	1,647	2,566	4,324	19,128	9.88	27.14	26.66	26.48	93.02
Colorado	3,628	9,458	22,067	39,647	99,198	18.67	22.95	39.06	44.89	101.78
New Mexico	85	2,832	4,580	7,662	25,010	.71	18.44	22.64	20.70	67.86
Arizona	378	2,038	6,592	10,389	44,973	9.33	49.28	50.75	45.01	124.61
Utah	116	1,218	6,613	15,288	50,041	.81	5.85	22.81	37.77	106.85
Nevada	1,400	1,365	1,564	3,183	7,004	22.48	29.83	27.97	33.60	90.49
Pacific	17,670	21,468	58,757	286,551	827,411	15.85	11.48	23.30	60.08	141.23
Washington	239	3,419	29,557	95,971	169,063	3.19	9.78	53.71	71.37	120.21
Oregon	849	2,480	11,302	43,828	138,094	4.86	7.90	26.11	57.90	170.69
California	16,582	15,569	17,898	146,752	520,254	19.18	12.89	11.60	55.01	142.81

[1] No State indebtedness reported; the Virginia-West Virginia debt settlement was not made until 1919.
[2] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 236.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS: BY SIZE GROUPS

NOTE.—See headnote, Table 225

[All figures in thousands of dollars]

	All cities over 30,000 [1]			1927—Cities of—				
	1915	1922	1927	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts, total	940,385	2,007,009	2,945,512	1,655,177	301,984	533,149	297,837	157,365
From taxes, total	641,973	1,441,108	2,047,341	1,157,515	209,304	365,347	207,944	107,231
General property	570,831	1,337,784	1,888,705	1,063,988	196,947	337,461	192,522	97,787
Special property		13,372	15,066	4,369	511	6,689	2,099	1,398
Other special taxes	69,350	27,718	49,391	33,674	1,370	6,771	4,111	3,465
Business and nonbusiness license		58,078	88,941	54,738	10,271	12,623	7,469	3,840
Poll	1,792	4,156	5,238	746	205	1,803	1,743	741
Special assessments and special charges for outlays	79,891	103,135	238,293	125,066	22,239	43,887	27,874	14,227
Fines, forfeits, and escheats	4,449	13,035	18,733	8,793	1,598	4,983	2,127	1,232
Subventions and grants	36,141	99,085	117,096	58,197	11,089	24,542	15,128	8,140
Donations, gifts, and pension assessments	3,754	20,020	27,196	17,695	3,230	3,447	1,814	1,010
Highway privileges, rents of investment property, and interest	55,072	94,151	136,455	98,463	12,976	15,993	6,220	2,813
Earnings of general departments	22,547	51,970	74,456	40,643	8,919	12,989	7,653	4,252
Earnings of public-service enterprises	96,558	184,505	290,942	148,815	32,629	61,961	29,077	18,460
Governmental-cost payments, total	1,080,141	2,222,567	3,324,386	1,850,631	333,351	625,252	331,783	183,369
Operation, maintenance, and interest, total	750,556	1,604,631	2,232,427	1,235,129	230,323	417,696	228,113	121,166
Operation and maintenance (except interest), total	622,029	1,390,764	1,913,178	1,051,382	197,245	357,594	200,379	106,578
General departments, total	578,206	1,284,189	1,750,767	968,257	178,362	324,633	183,284	96,161
General government	65,457	113,947	148,061	94,785	17,724	18,861	10,722	5,969
Protection to person and property	127,510	257,877	350,341	193,336	35,101	67,968	36,283	17,653
Health and sanitation	58,472	126,046	176,996	105,067	17,273	30,515	16,117	8,024
Highways	65,509	111,350	157,198	84,686	17,483	20,177	15,942	9,910
Charities, hospitals, and corrections	39,298	80,526	106,492	69,579	13,389	13,225	6,564	3,735
Education—								
Schools	174,039	484,345	645,382	318,422	62,188	138,042	83,590	43,131
Libraries	7,552	16,008	22,881	11,481	2,726	4,670	2,665	1,339
Recreation	21,389	42,283	60,304	35,101	5,313	11,259	5,643	3,048
Miscellaneous	18,980	51,802	82,992	55,810	7,165	10,916	5,749	3,352
Public-service enterprises	43,823	106,575	162,471	83,115	18,883	32,961	17,095	10,417
Interest	*128,527*	*213,867*	*319,249*	*183,747*	*33,078*	*60,102*	*27,734*	*14,588*
Excess of revenue receipts over operation, maintenance, and interest	189,829	402,378	713,085	420,048	71,661	115,453	69,724	36,199
Outlays for permanent improvements	329,585	617,936	1,091,959	615,502	103,028	207,556	103,680	62,193
Excess of total governmental-cost payments over revenue receipts	139,756	215,558	378,874	195,454	31,367	92,103	33,956	25,994

[1] There were 204 cities of this class in 1915, 261 in 1922, and 250 in 1927.

Source: Bureau of the Census, Department of Commerce.

No. 237.—PER CAPITA REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS

	All cities of over 30,000			1927—Cities of—				
	1915	1922	1927	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts	$30.17	$51.81	$68.98	$84.95	$72.83	$53.36	$50.02	$50.13
From taxes	20.60	37.21	47.92	59.41	50.47	36.57	34.91	34.16
General property	18.31	34.54	44.21	54.61	47.49	33.78	32.33	31.15
Special property	2.23	1.06	.35	.22	.12	.07	.35	.45
Other special taxes			1.16	1.73	.33	.68	.69	1.10
Business and nonbusiness licenses		1.50	2.08	2.81	2.48	1.26	1.25	1.22
Poll	.06	.11	.12	.04	.05	.18	.29	.24
Special assessments and special charges for outlay	2.56	2.66	5.46	6.42	5.36	4.39	4.58	4.53
Fines, forfeits, and escheats	.14	.34	.44	.45	.39	.50	.36	.39
Subventions and grants, donations, gifts, and pension assessments	1.28	3.07	3.38	3.89	3.45	2.80	2.85	2.91
Highway privileges, rents of investment property and interest	1.76	2.43	3.19	5.05	3.13	1.60	1.04	.90
Earnings of general departments	.72	1.34	1.74	2.09	2.15	1.30	1.29	1.35
Earnings of public-service enterprises	3.10	4.76	6.81	7.64	7.87	6.20	4.88	5.88
Governmental-cost payments for operation, maintenance, and interest	24.08	41.42	52.26	63.39	55.54	41.81	38.31	38.60
Operation and maintenance	19.90	35.90	44.79	53.90	47.56	35.79	33.65	33.95
General departments	18.55	33.15	40.98	49.69	43.01	32.49	30.78	30.03
General government	2.10	2.94	3.47	4.86	4.27	1.89	1.80	1.90
Protection to person and property	4.09	6.66	8.20	9.92	8.47	6.80	6.09	5.62
Health and sanitation	1.87	3.25	4.15	5.39	4.17	3.06	2.71	2.56
Highways	2.10	2.87	3.68	4.35	4.22	2.92	2.68	3.15
Charities, hospitals, and corrections	1.26	2.08	2.49	3.57	3.23	1.32	1.10	1.19
Education—								
Schools	5.58	12.50	15.11	16.34	15.00	13.82	14.04	13.74
Libraries	.24	.41	.54	.59	.66	.47	.45	.43
Recreation	.69	1.09	1.41	1.80	1.28	1.13	.95	.97
Miscellaneous	.61	1.84	1.94	2.86	1.73	1.09	.97	1.07
Public-service enterprises	1.41	2.75	3.80	4.27	4.55	3.30	2.87	3.32
Interest	4.12	5.52	7.47	9.43	7.98	6.02	4.66	4.65
Excess of revenue receipts over payments for operation, maintenance, and interest	6.09	10.39	16.69	21.56	17.28	11.56	11.71	11.53

No. 238.—COMPARATIVE SUMMARY OF PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF 146 CITIES

NOTE.—See headnote, Table 225. Table includes all cities of 30,000 or more inhabitants in 1903

Year	Per capita revenue receipts [1]			Per capita governmental-cost payments for operation, maintenance, and interest [1]				Per capita net debt
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Operation and maintenance			
					Total	Of general departments	Of public-service enterprises	Interest
1903	$21.14	$18.71	$2.42	$16.41	$14.35	$13.25	$1.10	$2.06	$44.71
1909	26.42	23.53	2.89	20.14	17.28	16.06	1.22	2.86	61.21
1911	28.07	25.09	2.98	21.24	18.17	16.91	1.26	3.07	67.52
1913	28.55	25.74	2.81	22.17	19.02	17.67	1.35	3.15	69.28
1915	30.00	26.97	3.03	23.92	20.34	18.95	1.39	3.58	77.86
1917	31.97	28.84	3.13	24.58	20.92	19.53	1.39	3.66	80.75
1919	35.26	31.65	3.61	28.07	24.18	22.28	1.90	3.89	81.18
1922	53.57	48.74	4.83	42.93	37.14	34.37	2.77	5.79	97.57
1924	58.41	52.42	6.00	45.62	40.42	36.89	3.53	5.20	110.09
1925	61.90	55.70	6.19	47.87	42.28	38.72	3.56	5.58	119.45
1926	66.14	59.55	6.60	50.30	44.27	40.51	3.76	6.03	128.13
1927	69.77	63.09	6.67	52.64	46.25	42.44	3.81	6.38	134.27

[1] Service transfers and interest transfers included in the amounts for the year 1922.

Source of Tables 237 and 238: Bureau of the Census, Department of Commerce.

No. 239.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS

NOTE.—Amounts, except per capita, in thousands of dollars. Minus sign indicates excess of payments.

City number in order of size	City	Total revenue receipts	Total governmental-cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public-service enterprises	Interest		Total payments	Payments except outlays
1	New York, N. Y.	557,772	554,635	434,206	327,598	16,950	89,658	120,429	3,137	123,566
2	Chicago, Ill.	240,629	288,751	161,516	140,762	7,061	13,693	127,235	−48,122	79,113
3	Philadelphia, Pa.	124,711	172,920	105,440	82,820	2,953	19,667	67,480	−48,209	19,271
4	Detroit, Mich.	143,191	171,587	99,731	66,248	22,107	11,376	71,856	−28,396	43,460
5	Cleveland, Ohio	74,087	83,949	56,343	41,688	5,217	9,438	27,606	−8,962	18,644
6	St. Louis, Mo.	46,682	55,242	35,680	31,663	2,371	1,646	19,562	−8,560	11,002
7	Baltimore, Md.	41,417	49,952	35,776	27,322	2,150	6,304	14,176	−8,535	5,641
8	Boston, Mass.	76,153	71,919	60,122	49,815	2,938	7,369	11,797	4,234	16,031
9	Los Angeles, Calif.	131,921	154,937	80,320	58,881	11,379	10,060	74,617	−23,016	51,601
10	Pittsburgh, Pa.	48,849	61,472	39,084	33,041	2,106	4,837	21,488	−12,623	8,865
11	San Francisco, Calif.	43,803	48,731	33,131	25,627	3,684	3,820	15,600	−4,928	10,672
12	Buffalo, N. Y.	45,969	53,898	37,115	31,742	1,625	3,748	16,783	−7,929	8,854
13	Washington, D. C.	38,568	36,684	26,721	25,818	903	(1)	9,963	1,884	11,847
14	Milwaukee, Wis.	40,535	45,954	29,044	25,242	1,671	2,131	16,910	−5,420	11,481
15	Newark, N. J.	37,662	47,169	32,755	26,640	1,871	4,244	14,414	−9,507	4,907
16	Minneapolis, Minn.	27,986	29,324	21,784	18,022	715	3,047	7,540	−1,338	6,202
17	New Orleans, La.	23,742	29,502	16,871	12,062	2,279	2,530	12,631	−5,760	6,871
18	Cincinnati, Ohio	35,247	37,005	26,533	19,607	1,277	5,649	10,472	−1,758	8,714
19	Kansas City, Mo.	21,782	30,670	20,318	16,198	1,933	2,187	10,352	−8,888	1,464
20	Seattle, Wash.	40,146	38,012	25,773	14,821	7,179	3,773	12,239	2,134	14,373
21	Indianapolis, Ind.	19,595	20,477	14,861	13,361	22	1,478	5,616	−882	4,734
22	Rochester, N. Y.	25,526	30,732	21,411	18,215	780	2,416	9,321	−5,206	4,115
23	Jersey City, N. J.	32,069	28,440	23,792	18,278	1,340	4,174	4,648	4,229	8,877
24	Louisville, Ky.	15,216	17,066	10,597	8,940	644	1,013	6,469	−1,850	4,619
25	Toledo, Ohio	22,413	24,953	15,628	12,218	843	2,567	9,325	−2,540	6,785
26	Akron, Ohio	11,618	14,783	8,608	5,867	398	2,353	6,175	−3,165	3,010
27	Columbus, Ohio	15,385	17,758	11,517	8,196	936	2,385	6,241	−2,373	3,868
28	Portland, Oreg.	18,462	22,283	13,858	9,298	2,093	2,467	8,425	−3,821	4,604
29	Denver, Colo.	17,776	18,469	15,148	11,894	1,287	1,967	3,321	−693	2,628
30	Providence, R. I.	13,701	17,658	11,685	9,648	427	1,610	5,971	−3,865	2,106
31	Oakland, Calif.	16,127	24,429	11,166	9,815	371	980	13,263	−8,302	4,961
32	St. Paul, Minn.	13,481	14,432	10,732	7,987	671	2,074	3,700	−951	2,749
33	Atlanta, Ga.	11,683	12,161	9,098	7,816	605	677	3,063	−478	2,585
34	Omaha, Nebr.	14,071	14,775	10,724	6,403	2,339	1,982	4,051	−704	3,347
35	Birmingham, Ala.	8,595	11,029	6,132	5,007	158	967	4,897	−2,434	2,463
36	San Antonio, Tex.	7,698	8,586	6,106	4,494	367	1,245	2,480	−888	1,592
37	Dallas, Tex.	8,980	10,356	7,422	5,791	496	1,135	2,933	−1,375	1,558
38	Syracuse, N. Y.	12,602	18,801	10,272	8,707	268	1,297	8,529	−6,199	2,330
39	Houston, Tex.	10,764	15,071	8,444	6,206	415	1,823	6,627	−4,307	2,320
40	Worcester, Mass.	12,959	13,690	10,358	9,388	291	679	3,332	−731	2,601
41	Richmond, Va.	10,821	10,719	8,199	5,433	1,187	1,579	2,520	102	2,622
42	New Haven, Conn.	8,784	8,923	7,079	6,501	6	572	1,844	−139	1,705
43	Dayton, Ohio	8,825	11,485	6,698	5,406	257	1,035	4,787	−2,660	2,127
44	Norfolk, Va.	7,410	7,270	6,495	4,094	403	1,998	775	140	915
45	Memphis, Tenn.	8,116	9,030	7,006	5,182	527	1,297	2,024	−914	1,110
46	Bridgeport, Conn.	7,609	8,831	6,611	5,950	8	653	2,220	−1,222	998
47	Youngstown, Ohio	8,049	8,130	5,565	4,343	347	875	2,565	−81	2,484
48	Hartford, Conn.	10,484	11,134	8,679	7,187	715	777	2,455	−650	1,805
49	Fort Worth, Tex.	5,283	10,121	4,619	3,460	299	860	5,502	−4,838	664
50	Grand Rapids, Mich.	9,835	11,582	6,907	5,678	447	782	4,675	−1,747	2,928
51	Springfield, Mass.	10,852	10,065	8,805	7,661	455	689	1,260	787	2,047
52	Des Moines, Iowa	7,900	8,294	6,043	4,845	302	896	2,261	−394	1,857
53	Tulsa, Okla.	6,549	6,593	4,248	3,013	331	904	2,345	−44	2,301
54	Scranton, Pa.	5,730	6,250	4,751	4,467	(2)	284	1,499	−511	988
55	Paterson, N. J.	7,238	9,491	6,819	5,751	------	1,068	2,672	−2,253	419
56	Jacksonville, Fla.	7,581	10,945	6,121	3,717	1,583	821	4,824	−3,364	1,460
57	Nashville, Tenn.	5,206	5,806	3,984	3,003	326	655	1,822	−600	1,222
58	Flint, Mich.	7,761	6,965	4,971	3,876	221	874	1,994	796	2,790
59	Trenton, N. J.	6,860	7,993	6,465	5,232	514	719	1,528	−1,133	395
60	Salt Lake City, Utah	6,072	5,994	4,723	3,842	293	588	1,271	78	1,349
61	Camden, N. J.	6,103	6,245	5,487	4,324	353	810	758	−142	616
62	Fall River, Mass.	7,848	7,517	6,396	5,403	322	671	1,121	331	1,452
63	Miami, Fla.	8,174	20,336	9,067	7,177	294	1,596	11,269	−12,162	−893
64	Wilmington, Del.	4,086	4,212	3,829	2,867	469	493	383	−127	256
65	Erie, Pa.	5,077	5,749	3,840	3,016	365	459	1,909	−672	1,237
66	Cambridge, Mass.	7,265	7,118	6,172	5,228	433	511	946	147	1,093
67	New Bedford, Mass.	8,090	7,941	6,131	5,152	272	707	1,810	149	1,959
68	Albany, N. Y.	7,852	9,678	6,157	4,756	574	827	3,521	−1,826	1,695
69	Yonkers, N. Y.	9,861	12,743	8,419	6,866	430	1,124	4,324	−2,882	1,442
70	Kansas City, Kans.	7,360	5,663	5,146	2,841	1,443	862	517	1,697	2,214
71	San Diego, Calif.	11,908	11,796	6,047	4,552	673	822	5,749	112	5,861
72	Duluth, Minn.	7,261	8,741	5,122	3,711	774	637	3,619	−1,480	2,139
73	Reading, Pa.	4,607	6,944	3,705	3,008	281	416	3,239	−2,337	902
74	Canton, Ohio	5,560	5,687	4,086	2,865	205	1,016	1,601	−127	1,474
75	Elizabeth, N. J.	4,952	5,325	4,061	3,594	5	462	1,264	−373	891

[1] Less than $500.

[2] Less than one-half of 1 cent.

[3] Not reported.

OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927

Per capita figures not computed for certain cities due to absence of accurate population figures

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1915	1922	1927	1915	1922	1927	1915	1922	1927		
$38.67	$69.94	$93.42	$35.95	$57.31	$72.72	$9.55	$12.09	$15.02	New York, N. Y.	1
33.63	54.20	77.55	22.99	39.92	52.06	1.61	2.88	4.41	Chicago, Ill.	2
27.29	47.55	61.26	23.60	43.34	51.79	2.78	5.20	9.66	Philadelphia, Pa.	3
32.15	65.53	109.11	24.16	50.10	76.00	1.56	4.76	8.67	Detroit, Mich.	4
28.30	62.55	76.17	22.62	47.92	57.23	3.95	7.45	9.59	Cleveland, Ohio	5
31.62	44.88	56.07	22.56	34.05	42.85	1.17	1.20	1.98	St. Louis, Mo.	6
27.44	39.97	50.57	23.76	35.17	43.68	5.26	5.64	7.70	Baltimore, Md.	7
47.47	80.55	96.02	40.72	65.52	75.81	8.15	8.63	9.29	Boston, Mass.	8
53.98	79.81	-------	32.15	48.30	-------	3.96	4.56	-------	Los Angeles, Calif.	9
35.76	61.50	73.40	29.22	49.92	60.08	4.84	5.94	7.27	Pittsburgh, Pa.	10
43.52	57.67	76.66	30.48	44.51	57.98	4.22	5.09	6.68	San Francisco, Calif.	11
33.17	52.97	84.02	27.69	48.11	67.84	3.29	3.48	6.85	Buffalo, N. Y.	12
42.47	57.27	72.22	28.99	42.03	50.04	.70	.41	(2)	Washington, D. C.	13
30.10	59.50	76.30	21.97	41.07	54.69	1.36	2.84	4.01	Milwaukee, Wis.	14
31.03	61.40	80.70	28.91	52.93	70.18	5.19	7.17	9.09	Newark, N. J.	15
30.52	54.04	62.61	22.38	41.57	48.66	2.96	4.98	6.81	Minneapolis, Minn.	16
22.65	44.46	55.94	19.66	35.63	39.75	4.69	4.95	5.96	New Orleans, La.	17
34.28	64.38	85.51	30.58	49.41	64.37	6.81	11.39	13.70	Cincinnati, Ohio	18
36.18	51.11	57.68	21.39	45.38	53.81	1.94	2.61	5.79	Kansas City, Mo.	19
47.65	93.85	-------	30.04	80.41	-------	6.76	12.26	-------	Seattle, Wash.	20
22.93	49.73	52.35	16.32	35.37	39.70	.72	3.32	3.95	Indianapolis, Ind.	21
30.23	56.53	78.66	23.55	47.71	65.98	3.17	5.64	7.45	Rochester, N. Y.	22
23.15	55.94	101.62	18.90	54.67	74.00	4.18	9.74	12.98	Jersey City, N. J.	23
24.86	33.85	47.98	19.00	27.60	33.42	2.40	2.41	3.19	Louisville, Ky.	24
23.27	42.88	73.39	18.05	36.51	51.17	2.86	5.41	8.41	Toledo, Ohio	25
23.03	40.05	-------	18.83	29.86	-------	4.22	6.53	-------	Akron, Ohio	26
24.52	44.68	52.80	19.53	34.63	39.52	3.77	6.53	8.19	Columbus, Ohio	27
38.17	55.25	-------	25.15	38.26	-------	6.42	6.75	-------	Portland, Oreg.	28
25.93	52.07	61.34	20.91	40.79	52.27	2.07	3.74	6.79	Denver, Colo.	29
26.74	46.86	49.41	21.42	37.04	41.86	3.09	4.23	5.77	Providence, R. I.	30
32.89	39.36	61.11	20.61	32.32	42.31	2.30	2.02	3.71	Oakland, Calif.	31
22.21	46.00	53.90	19.85	36.42	42.91	2.92	3.91	8.29	St. Paul, Minn.	32
21.16	33.19	46.92	15.89	25.29	36.54	1.19	.89	2.72	Atlanta, Ga.	33
29.91	68.18	64.19	23.46	43.24	48.92	5.73	7.07	9.04	Omaha, Nebr.	34
16.52	25.38	40.13	12.11	21.50	28.63	2.98	3.22	4.51	Birmingham, Ala.	35
17.00	26.20	37.10	15.13	21.91	29.43	2.79	3.59	6.00	San Antonio, Tex.	36
30.26	38.79	43.85	17.68	31.07	36.24	2.75	3.93	5.54	Dallas, Tex.	37
26.00	49.82	63.97	19.82	38.01	52.14	3.01	5.34	6.58	Syracuse, N. Y.	38
26.36	42.40	-------	19.30	33.76	-------	4.72	6.04	-------	Houston, Tex.	39
29.53	48.07	66.35	23.59	41.05	53.03	3.25	3.33	3.48	Worcester, Mass.	40
28.77	43.90	56.36	22.76	34.93	42.70	4.20	5.31	8.22	Richmond, Va.	41
20.46	36.49	47.51	16.39	32.09	38.29	1.13	2.46	3.10	New Haven, Conn.	42
24.01	40.14	48.84	16.69	28.30	37.07	2.59	3.74	5.73	Dayton, Ohio	43
21.76	40.94	41.35	19.97	43.22	36.25	4.76	9.38	11.15	Norfolk, Va.	44
22.50	39.90	45.36	20.76	33.28	39.16	4.60	6.76	7.25	Memphis, Tenn.	45
20.09	48.39	-------	15.60	40.54	-------	1.01	3.70	-------	Bridgeport, Conn.	46
20.97	38.19	47.52	13.91	34.89	32.85	1.98	6.05	5.16	Youngstown, Ohio	47
33.38	53.57	63.46	26.23	41.23	52.54	3.77	4.53	4.70	Hartford, Conn.	48
17.93	35.88	32.51	15.25	26.92	28.42	3.15	3.80	5.30	Fort Worth, Tex.	49
24.84	42.25	62.68	16.90	30.99	44.02	1.58	2.12	4.99	Grand Rapids, Mich.	50
36.07	59.01	73.72	30.56	47.75	59.82	3.29	3.75	4.68	Springfield, Mass.	51
21.05	58.48	53.85	17.78	38.69	41.19	1.64	3.93	6.11	Des Moines, Iowa	52
(3)	33.08	44.92	(3)	30.70	29.14	(3)	3.72	6.20	Tulsa, Okla.	53
14.27	29.24	39.88	12.01	24.47	33.02	1.47	1.21	1.98	Scranton, Pa.	54
16.80	34.47	50.33	13.70	29.78	47.42	2.04	3.27	7.42	Paterson, N. J.	55
27.41	47.78	-------	21.93	42.32	-------	1.64	6.51	-------	Jacksonville, Fla.	56
19.01	28.01	37.78	17.06	23.61	28.91	2.61	4.48	4.75	Nashville, Tenn.	57
19.12	46.02	56.44	11.01	31.39	36.15	1.54	5.44	6.35	Flint, Mich.	58
21.76	38.90	50.19	18.23	34.38	47.30	3.02	3.39	5.26	Trenton, N. J.	59
27.29	44.10	44.74	19.90	35.95	34.80	3.04	5.35	4.33	Salt Lake City, Utah	60
17.18	35.25	45.85	15.95	31.84	41.22	2.56	3.83	6.09	Camden, N. J.	61
22.50	52.05	59.18	17.95	40.63	48.23	2.48	3.30	5.06	Fall River, Mass.	62
(3)	53.05	62.07	(3)	44.18	58.85	(3)	10.24	12.11	Miami, Fla.	63
14.93	32.50	32.61	12.45	25.45	30.56	2.02	2.99	3.94	Wilmington, Del.	64
19.45	35.65	-------	13.08	27.76	-------	.77	2.82	-------	Erie, Pa.	65
29.42	48.44	59.30	25.27	44.57	50.39	5.17	5.03	4.17	Cambridge, Mass.	66
27.97	54.56	67.68	21.18	45.29	51.29	3.94	5.65	5.91	New Bedford, Mass.	67
28.69	41.26	65.70	21.97	38.74	51.53	3.03	3.59	6.92	Albany, N. Y.	68
27.85	66.27	83.00	30.63	54.45	70.87	5.38	8.06	9.46	Yonkers, N. Y.	69
22.72	45.42	62.64	16.96	38.65	43.79	4.02	4.36	7.34	Kansas City, Kans.	70
68.01	62.86	103.28	39.62	47.22	52.45	7.81	7.05	7.13	San Diego, Calif.	71
34.50	54.34	63.30	21.54	36.58	44.66	3.77	4.18	5.55	Duluth, Minn.	72
13.53	26.13	40.24	11.61	23.36	32.36	.71	1.42	3.63	Reading, Pa.	73
16.74	42.26	49.07	12.91	30.68	36.06	2.21	7.47	8.96	Canton, Ohio	74
17.31	36.80	-------	13.84	25.25	-------	2.11	3.43	-------	Elizabeth, N. J.	75

No. 239.—Revenue Receipts and Governmental-Cost Payments of

[Amounts, except per capita,

City number in order of size	City	Total revenue receipts	Total governmental cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public-service enterprises	Interest		Total payments	Payments except outlays
76	Oklahoma City, Okla.	5,614	5,706	4,088	3,013	233	842	1,618	—92	1,526
77	Lowell, Mass	5,818	5,300	4,747	4,063	373	311	553	518	1,071
78	El Paso, Tex	3,744	2,946	2,747	2,057	196	494	199	798	997
79	Spokane, Wash	4,053	4,903	3,946	3,456	192	298	957	50	1,007
80	Tacoma, Wash	7,726	7,258	5,500	3,181	1,637	682	1,758	468	2,226
81	Waterbury, Conn	5,622	7,554	5,144	4,264	113	767	2,510	—2,032	478
82	Lynn, Mass	5,060	5,498	4,265	3,623	300	342	1,233	—438	795
83	Tampa, Fla	5,746	12,862	4,832	3,458	578	796	8,030	—7,116	914
84	Utica, N. Y	5,321	6,292	4,038	3,586	1	451	2,254	—971	1,283
85	Fort Wayne, Ind	6,608	6,630	3,730	2,770	752	208	2,900	—22	2,878
86	Somerville, Mass	4,034	3,989	3,505	3,120	159	226	484	45	529
87	Knoxville, Tenn	3,835	7,367	3,671	2,494	267	910	3,696	—3,532	104
88	Long Beach, Calif	12,099	13,254	7,760	5,041	1,924	795	5,494	—1,155	4,339

[1] Not reported.

No. 240.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF

Note.—For total revenue receipts see Table 239. Receipts from borrowing are not included

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public service enterprises		
1	New York, N. Y	374,058	21,766	22,405	22,979	5,717	35,297	40,243	35,307
2	Chicago, Ill	158,492	8,550	131	30,202	7,945	13,238	14,779	7,292
3	Philadelphia, Pa	85,204	1,611	52	2,197	4,305	7,988	18,913	4,441
4	Detroit, Mich	80,277	2,198	843	16,114	4,270	31,460	1,818	6,221
5	Cleveland, Ohio	48,107	1,722	519	7,574	3,412	9,198	3,435	1,020
6	St. Louis, Mo	29,232	2,856	----------	5,287	1,714	3,925	2,495	1,173
7	Baltimore, Md	28,260	1,477	880	1,664	621	4,402	2,966	1,743
8	Boston, Mass	53,467	524	8,618	572	2,235	4,375	5,126	1,237
9	Los Angeles, Calif	63,010	4,992	----------	27,915	3,853	23,118	3,120	5,913
10	Pittsburgh, Pa	38,113	609	330	990	1,183	3,047	2,589	1,988
11	San Francisco, Calif	27,622	2,026	----------	3,142	1,242	6,132	971	2,668
12	Buffalo, N. Y	32,286	1,292	1,590	2,453	872	2,994	1,047	3,435
13	Washington, D. C	20,700	4,411	4	687	1,422	1,344	159	9,841
14	Milwaukee, Wis	25,160	704	3,418	3,890	1,852	2,307	793	2,401
15	Newark, N. J	25,658	1,166	341	1,471	1,358	3,138	1,708	2,822
16	Minneapolis, Minn	20,415	345	145	2,693	767	1,039	629	1,948
17	New Orleans, La	15,634	1,246	109	1,268	693	3,111	568	1,113
18	Cincinnati, Ohio	21,812	1,675	493	1,375	1,493	2,579	4,617	1,303
19	Kansas City, Mo	14,792	1,450	----------	697	667	2,127	1,310	739
20	Seattle, Wash	16,444	188	----------	6,310	808	13,458	720	2,218
21	Indianapolis, Ind	15,842	220	47	1,768	717	44	194	763
22	Rochester, N. Y	16,527	1,010	697	2,392	761	1,587	522	2,030
23	Jersey City, N. J	[1] 25,474	1,117	140	200	548	2,124	1,300	1,766
24	Louisville, Ky	9,619	771	----------	1,092	489	2,001	439	865
25	Toledo, Ohio	14,729	1,183	115	3,028	618	1,421	969	349
26	Akron, Ohio	7,087	470	87	1,020	390	1,276	424	264
27	Columbus, Ohio	10,044	662	197	1,392	357	1,700	835	198
28	Portland, Oreg	9,991	281	----------	3,117	299	2,381	536	1,857
29	Denver, Colo	11,597	441	----------	1,602	788	2,468	495	385
30	Providence, R. I	10,343	79	67	188	438	1,545	770	361
31	Oakland, Calif	9,344	272	----------	3,000	250	226	272	2,763
32	St. Paul, Minn	8,528	557	29	1,696	242	1,022	736	671
33	Atlanta, Ga	5,680	695	72	1,377	363	2,530	436	530
34	Omaha, Nebr	7,848	193	----------	1,327	196	3,789	456	202
35	Birmingham, Ala	3,570	1,164	----------	1,695	314	203	227	1,413
36	San Antonio, Tex	5,340	71	----------	52	153	1,225	130	727
37	Dallas, Tex	5,721	45	----------	296	544	1,228	354	792
38	Syracuse, N. Y	7,864	439	501	1,687	215	868	232	796
39	Houston, Tex	8,101	88	----------	12	312	949	566	736
40	Worcester, Mass	8,779	49	1,738	189	725	878	238	363
41	Richmond, Va	5,960	802	127	136	141	2,349	778	528
42	New Haven, Conn	7,551	64	178	49	262	3	206	471
43	Dayton, Ohio	6,337	396	72	420	316	695	319	270
44	Norfolk, Va	4,985	515	31	41	98	1,094	370	276

[1] Large amount of delinquent taxes collected from railways in 1927.

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued

in thousands of dollars]

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1915	1922	1927	1915	1922	1927	1915	1922	1927		
$14.56	$52.00	-------	$13.34	$35.51	-------	$3.67	$5.24	-------	Oklahoma City, Okla.	76
20.83	41.66	$52.75	18.22	38.93	$43.04	2.10	3.00	$2.82	Lowell, Mass	77
29.63	21.07	34.04	19.50	26.32	24.97	3.10	3.46	4.48	El Paso, Tex	78
27.84	48.08	45.44	19.51	35.57	36.20	4.95	3.79	2.73	Spokane, Wash	79
37.10	61.58	72.07	23.34	43.97	51.30	5.90	4.53	6.36	Tacoma, Wash	80
19.19	42.61	-------	15.78	40.92	-------	1.88	5.07	-------	Waterburg, Conn	81
24.86	40.91	48.28	19.58	35.72	40.69	2.57	3.33	3.26	Lynn, Mass	82
23.39	32.07	54.99	17.40	30.09	46.24	3.13	4.79	7.62	Tampa, Fla	83
20.14	35.65	51.46	15.30	29.99	39.05	1.27	2.02	4.36	Utica, N. Y	84
25.73	42.59	64.09	13.72	29.48	36.18	.50	1.54	2.02	Fort Wayne, Ind	85
22.84	33.32	39.71	19.43	28.26	34.50	2.37	2.20	2.23	Somerville, Mass	86
22.77	31.20	37.89	17.49	33.33	36.28	4.59	6.77	9.00	Knoxville, Tenn	87
(3)	56.83	119.79	(3)	38.59	76.83	(3)	3.48	7.87	Long Beach, Calif	88

Source: Bureau of the Census, Department of Commerce.

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927

Per capita figures not computed for certain cities owing to absence of accurate population figures

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
62.65	3.65	3.75	3.85	.96	5.91	6.74	5.92	New York, N. Y	1
51.08	2.76	.04	9.73	2.56	4.27	4.76	2.35	Chicago, Ill	2
41.85	.79	.03	1.08	2.11	3.92	9.29	2.18	Philadelphia, Pa	3
61.17	1.67	.84	12.28	3.25	23.97	1.39	4.74	Detroit, Mich	4
48.86	1.75	.53	7.69	3.47	9.34	3.49	1.04	Cleveland, Ohio	5
35.11	3.43	-------	6.35	2.06	4.71	3.00	1.41	St. Louis, Mo	6
34.51	1.80	1.07	1.30	.76	5.37	3.62	2.14	Baltimore, Md	7
67.41	.66	10.87	.72	2.82	5.52	6.46	1.56	Boston, Mass	8
								Los Angeles, Calif	9
57.27	.91	.50	1.49	1.78	4.58	3.89	2.99	Pittsburgh, Pa	10
48.34	3.54	-------	5.50	2.17	10.73	1.70	4.67	San Francisco, Calif	11
59.01	2.36	2.91	4.48	1.59	5.47	1.91	6.28	Buffalo, N. Y	12
38.76	8.26	.01	1.29	2.66	2.52	.30	18.43	Washington, D. C	13
47.37	1.33	6.44	7.32	3.49	4.34	1.49	4.53	Milwaukee, Wis	14
54.98	2.50	.73	3.15	2.91	6.72	3.66	6.05	Newark, N. J	15
45.60	.77	.32	6.03	1.71	2.32	1.40	4.35	Minneapolis, Minn	16
36.84	2.94	.26	2.99	1.63	7.33	1.34	2.63	New Orleans, La	17
52.92	3.82	1.20	3.34	3.62	6.26	11.20	3.17	Cincinnati, Ohio	18
39.17	3.84	-------	1.85	1.77	5.63	3.47	1.96	Kansas City, Mo	19
								Seattle, Wash	20
42.32	.59	.13	4.72	1.92	.12	.52	2.04	Indianapolis, Ind	21
50.73	3.11	2.15	7.37	2.34	4.89	1.61	6.26	Rochester, N. Y	22
179.24	3.47	.43	.62	1.70	6.61	4.04	5.49	Jersey City, N. J	23
30.33	2.43	-------	3.26	1.54	6.31	1.39	2.72	Louisville, Ky	24
48.23	3.87	.38	9.92	2.02	4.65	3.18	1.14	Toledo, Ohio	25
								Akron, Ohio	26
34.47	2.27	.68	4.78	1.22	5.83	2.87	.68	Columbus, Ohio	27
								Portland, Oreg	28
40.02	1.52	-------	5.53	2.72	8.52	1.71	1.33	Denver, Colo	29
37.06	.28	.24	.67	1.57	5.53	2.76	1.29	Providence, R. I	30
35.41	1.03	-------	11.37	.95	.86	1.03	10.47	Oakland, Calif	31
34.10	2.23	.12	6.78	.97	4.09	2.94	2.68	St. Paul, Minn	32
22.81	2.79	.29	5.53	1.46	10.16	1.75	2.13	Atlanta, Ga	33
35.80	.88	-------	6.06	.89	17.29	2.08	1.19	Omaha, Nebr	34
16.71	5.43	-------	7.91	1.46	.95	1.06	6.69	Birmingham, Ala	35
25.73	.34	-------	.25	.74	5.90	.63	3.51	San Antonio, Tex	36
27.94	.22	-------	1.44	2.66	6.00	1.73	3.87	Dallas, Tex	37
39.92	2.23	2.54	8.57	1.09	4.40	1.18	4.04	Syracuse, N. Y	38
								Houston, Tex	39
44.95	.25	8.90	.97	3.71	4.49	1.22	1.86	Worcester, Mass	40
31.04	4.18	.66	.71	.73	12.24	4.05	2.75	Richmond, Va	41
40.84	.35	.96	.27	1.42	.01	1.12	2.54	New Haven, Conn	42
35.07	2.19	.40	2.32	1.75	3.84	1.76	1.49	Dayton, Ohio	43
27.82	2.87	.17	.23	.35	5.19	2.07	1.54	Norfolk, Va	44

No. 240.—Principal Sources of Revenue Receipts of Indi

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public service enterprises		
45	Memphis, Tenn	5,390	363	----------	278	238	1,253	154	440
46	Bridgeport, Conn	6,848	26	205	63	168	13	83	203
47	Youngstown, Ohio	5,806	287	91	814	92	604	226	129
48	Hartford, Conn	5,981	92	2,149	326	247	1,207	226	256
49	Fort Worth, Tex	3,688	22	----------		145	787	100	481
50	Grand Rapids, Mich	6,320	84	----------	1,267	372	830	168	794
51	Springfield, Mass	7,884	45	1,457	282	287	614	60	223
52	Des Moines, Iowa	5,771	51	----------	857	132	814	112	163
53	Tulsa, Okla	4,025	180	----------	941	13	708	181	411
54	Scranton, Pa	4,511	81	131	269	145	1	147	454
55	Paterson, N. J	5,260	378	61	298	208	----------	396	642
56	Jacksonville, Fla	3,538	143	2	163	93	3,235	202	205
57	Nashville, Tenn	3,319	56	----------	214	116	611	198	602
58	Flint, Mich	4,998	37	----------	753	463	936	99	475
59	Trenton, N. J	4,699	117	67	247	230	617	348	535
60	Salt Lake City, Utah	3,851	198	----------	423	172	489	76	923
61	Camden, N. J	3,415	390	55	627	98	657	394	467
62	Fall River, Mass	5,402	24	1,502	23	149	424	113	211
63	Miami, Fla	5,934	375	20	557	326	472	100	390
64	Wilmington, Del	2,256	104	(2)	150	29	541	73	932
65	Erie, Pa	3,254	39	178	542	72	634	77	281
66	Cambridge, Mass	4,968	70	1,074	17	277	580	173	106
67	New Bedford, Mass	5,349	30	1,576	158	210	473	83	212
68	Albany, N. Y	5,269	169	407	658	42	714	76	517
69	Yonkers, N. Y	7,329	117	405	258	60	744	128	820
70	Kansas City, Kans	3,890	114	----------	740	28	2,408	146	34
71	San Diego, Calif	5,302	129	----------	3,459	192	1,350	238	1,238
72	Duluth, Minn	4,451	58	14	873	44	1,352	133	336
73	Reading, Pa	3,166	58	80	97	89	741	113	264
74	Canton, Ohio	3,815	239	29	424	159	421	230	243
75	Elizabeth, N. J	3,290	186	34	543	88	6	362	437
76	Oklahoma City, Okla	3,263	158	----------	891	149	680	188	285
77	Lowell, Mass	4,011	22	1,024	59	116	394	18	174
78	El Paso, Tex	2,714	14	----------	4	78	436	118	380
79	Spokane, Wash	2,816	27	----------	109	214	588	119	1,020
80	Tacoma, Wash	2,607	43	----------	822	171	2,947	197	939
81	Waterbury, Conn	4,793	43	88	91	46	372	37	152
82	Lynn, Mass	3,388	34	686	56	176	536	78	106
83	Tampa, Fla	3,468	289	4	616	222	657	119	371
84	Utica, N. Y	3,546	107	251	806	35	13	57	506
85	Fort Wayne, Ind	3,260	41	47	1,824	43	1,165	42	186
86	Somerville, Mass	2,803	21	524	86	108	319	19	94
87	Knoxville, Tenn	2,378	90	2	162	123	602	92	386
88	Long Beach, Calif	4,692	254	----------	2,084	121	2,497	1,254	1,197

[2] Less than $500.

[3] Less than one-half of 1 cent.

No. 241.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEV

Note.—For total expenses of general departments and other governmental-cost payments, see Table

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
1	New York, N. Y	34,845	65,302	36,670	24,484	21,239	111,233	2,659	6,881	24,285
2	Chicago, Ill	15,357	26,415	19,910	11,124	6,372	43,820	1,520	8,674	7,570
3	Philadelphia, Pa	8,688	16,195	8,576	5,079	6,847	27,794	628	2,734	6,279
4	Detroit, Mich	4,836	13,387	7,289	9,208	5,796	19,568	970	2,501	2,693
5	Cleveland, Ohio	3,724	6,561	4,687	5,009	1,868	15,870	1,336	687	1,946
6	St. Louis, Mo	2,931	8,780	2,200	2,655	2,742	9,013	453	1,584	405
7	Baltimore, Md	1,865	6,673	3,142	3,233	1,725	8,011	342	990	1,341
8	Boston, Mass	3,908	9,866	5,632	3,903	4,906	15,218	970	2,690	2,722
9	Los Angeles, Calif	6,271	12,151	3,309	5,905	4,586	22,965	981	1,652	1,001
10	Pittsburgh, Pa	3,921	5,544	3,468	4,196	2,252	10,648	529	807	1,676
11	San Francisco, Calif	2,614	7,065	1,287	1,294	2,888	7,362	223	1,375	1,519
12	Buffalo, N. Y	2,391	5,426	3,348	3,260	3,160	10,149	322	1,611	2,069
13	Washington, D. C	1,349	5,663	2,305	2,773	3,062	8,140	236	1,323	967
14	Milwaukee, Wis	2,084	4,309	3,244	2,558	2,135	7,730	311	1,594	1,277

VIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
30.13	2.03	----------	1.55	1.33	7.01	0.86	2.46	Memphis, Tenn	45
								Bridgeport, Conn	46
34.27	1.69	0.54	4.81	.55	3.57	1.34	.76	Youngstown, Ohio	47
36.20	.56	13.01	1.98	1.50	7.31	1.37	1.55	Hartford, Conn	48
22.70	.14	----------	----------	.80	4.84	.98	2.96	Fort Worth, Tex	49
40.28	.53	----------	8.07	2.37	5.29	1.07	5.06	Grand Rapids, Mich	50
53.56	.31	9.89	1.92	1.95	4.17	.41	1.51	Springfield, Mass	51
39.34	.35	----------	5.84	.90	5.55	.77	1.12	Des Moines, Iowa	52
27.60	1.23	----------	6.45	.09	5.47	1.24	2.81	Tulsa, Okla	53
31.35	.56	.91	1.87	1.01	.01	1.02	3.16	Scranton, Pa	54
36.58	2.59	.43	2.07	1.45	----------	2.75	4.46	Paterson, N. J	55
								Jacksonville, Fla	56
24.09	.41	----------	1.55	.84	4.44	1.43	5.02	Nashville, Tenn	57
36.35	.27	----------	5.47	3.37	6.81	.72	3.45	Flint, Mich	58
34.38	.86	.49	1.81	1.68	4.51	2.55	3.91	Trenton, N. J	59
28.38	1.02	----------	3.11	1.27	3.51	.56	6.70	Salt Lake City, Utah	60
25.66	2.93	.42	4.71	.74	4.93	2.95	3.52	Camden, N. J	61
40.74	.18	11.33	.17	1.12	3.20	.85	1.60	Fall River, Mass	62
45.06	2.85	.15	4.23	2.47	3.58	.76	2.96	Miami, Fla	63
18.00	.83	(3)	1.20	.23	4.32	.58	7.43	Wilmington, Del	64
								Erie, Pa	65
40.56	.57	8.76	.13	2.20	4.73	1.41	.86	Cambridge, Mass	66
44.75	.26	13.18	1.32	1.76	3.95	.69	1.77	New Bedford, Mass	67
44.09	1.41	3.41	5.51	.35	5.97	.63	4.32	Albany, N. Y	68
61.69	.99	3.41	2.17	.50	6.27	1.08	6.90	Yonkers, N. Y	69
33.10	.97	----------	6.30	.24	20.50	1.24	.29	Kansas City, Kans	70
45.99	1.12	----------	30.00	1.66	11.71	2.06	10.74	San Diego, Calif	71
38.80	.50	.13	7.61	.38	11.79	1.16	2.93	Duluth, Minn	72
27.65	.50	.69	.84	.78	6.48	.98	2.30	Reading, Pa	73
33.67	2.11	.26	3.74	1.40	3.71	2.03	2.15	Canton, Ohio	74
								Elizabeth, N. J	75
								Oklahoma City, Okla	76
36.37	.19	9.28	.54	1.05	3.57	.16	1.58	Lowell, Mass	77
24.67	.13	----------	.03	.71	3.97	1.07	3.46	El Paso, Tex	78
26.83	.25	----------	1.55	1.96	5.40	1.09	9.36	Spokane, Wash	79
24.32	.40	----------	7.67	1.59	27.49	1.84	8.76	Tacoma, Wash	80
								Waterbury, Conn	81
32.33	.32	6.54	.53	1.68	5.12	.75	1.01	Lynn, Mass	82
33.19	2.76	.03	5.90	2.12	6.29	1.14	3.55	Tampa, Fla	83
34.29	1.03	2.43	7.80	.33	.12	.55	4.90	Utica, N. Y	84
31.61	.40	.46	17.69	.42	11.30	.41	1.81	Fort Wayne, Ind	85
28.18	.21	5.15	.84	1.07	3.14	.19	.93	Somerville, Mass	86
23.51	.89	.02	1.60	1.21	5.95	.90	3.81	Knoxville, Tenn	87
46.45	2.52	----------	20.64	1.20	24.72	12.41	11.85	Long Beach, Calif	88

Source: Bureau of the Census, Department of Commerce.

ERAL DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1927

239. Per capita figures not computed for certain cities owing to absence of accurate population figures

Per capita governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous		
					Schools	Libraries				
5.84	10.94	6.14	4.10	3.56	18.63	0.45	1.15	4.07	New York, N. Y	1
4.95	8.51	6.42	3.58	2.05	14.12	.49	2.80	2.44	Chicago, Ill	2
4.27	7.95	4.21	2.49	3.36	13.65	.31	1.34	3.08	Philadelphia, Pa	3
3.69	10.20	5.56	7.02	4.42	14.91	.74	1.91	2.05	Detroit, Mich	4
3.78	6.67	4.76	5.08	1.90	16.12	1.36	.70	1.93	Cleveland, Ohio	5
3.52	10.54	2.65	3.19	3.29	11.91	.54	1.90	.49	St. Louis, Mo	6
2.28	8.15	3.84	3.95	2.11	9.78	.42	1.21	1.64	Baltimore, Md	7
4.93	12.44	7.10	4.92	6.19	19.19	1.22	3.39	3.43	Boston, Mass	8
									Los Angeles, Calif	9
5.89	8.33	5.21	6.30	3.38	16.00	.79	1.21	2.52	Pittsburgh, Pa	10
4.57	12.37	2.26	2.26	5.05	12.89	.39	2.41	2.66	San Francisco, Calif	11
4.37	9.92	6.12	5.96	5.78	18.55	.59	2.94	3.78	Buffalo, N. Y	12
2.53	10.60	4.32	5.19	5.73	15.24	.44	2.48	1.81	Washington, D. C	13
3.93	8.12	6.11	4.81	4.02	14.55	.59	3.00	2.40	Milwaukee, Wis	14

No. 241.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEVERAL

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
15	Newark, N. J.	2,324	6,078	3,487	1,285	2,867	8,694	322	742	841
16	Minneapolis, Minn.	1,401	2,722	1,705	1,918	940	7,275	439	793	829
17	New Orleans, La.	1,369	3,006	1,493	1,132	533	3,844	73	339	273
18	Cincinnati, Ohio	2,054	2,721	1,333	2,338	1,430	7,742	273	327	1,389
19	Kansas City, Mo.	2,082	2,441	948	2,383	1,704	5,779	229	442	190
20	Seattle, Wash.	1,719	3,344	1,453	1,572	582	5,028	280	383	480
21	Indianapolis, Ind.	1,232	2,377	1,125	935	802	5,002	311	608	409
22	Rochester, N. Y.	1,518	2,926	2,437	1,534	948	6,700	209	740	1,203
23	Jersey City, N. J.	2,130	4,360	1,725	1,167	2,096	4,709	216	530	845
24	Louisville, Ky.	663	1,714	960	1,065	767	3,143	157	227	244
25	Toledo, Ohio	1,231	2,413	609	2,154	661	4,272	216	181	481
26	Akron, Ohio	327	816	470	808	114	2,954	48	22	298
27	Columbus, Ohio	428	1,676	849	622	69	3,936	65	126	425
28	Portland, Oreg.	422	2,466	607	666	54	4,463	----	377	243
29	Denver, Colo.	1,127	2,173	718	1,108	726	4,559	239	746	498
30	Providence, R. I.	513	2,543	1,007	1,065	295	3,602	43	220	360
31	Oakland, Calif.	567	2,311	636	729	19	4,870	156	417	110
32	St. Paul, Minn.	511	1,849	459	726	348	3,250	219	347	278
33	Atlanta, Ga.	319	1,621	776	472	637	3,523	110	195	163
34	Omaha, Nebr.	394	1,668	324	388	21	3,113	89	171	235
35	Birmingham, Ala.	270	1,258	417	420	77	2,244	108	143	70
36	San Antonio, Tex.	230	978	469	630	85	1,808	33	180	75
37	Dallas, Tex.	306	1,228	603	633	293	2,377	29	250	72
38	Syracuse, N. Y.	531	1,637	896	1,262	597	2,912	112	214	546
39	Houston, Tex.	350	1,170	769	594	233	2,696	57	217	120
40	Worcester, Mass.	380	1,913	844	979	1,088	3,488	168	201	337
41	Richmond, Va.	524	1,210	564	518	256	2,040	56	130	135
42	New Haven, Conn.	380	1,623	424	460	268	2,764	91	261	230
43	Dayton, Ohio	343	918	423	493	266	2,429	167	162	205
44	Norfolk, Va.	342	1,273	450	214	175	1,402	34	78	126
45	Memphis, Tenn.	247	1,162	684	476	462	1,088	70	352	41
46	Bridgeport, Conn.	454	1,048	577	369	328	2,032	121	190	231
47	Youngstown, Ohio	254	613	218	518	83	2,254	102	175	126
48	Hartford, Conn.	415	1,583	803	534	262	2,977	59	359	195
49	Fort Worth, Tex.	239	801	295	234	120	1,537	25	191	18
50	Grand Rapids, Mich.	310	1,078	517	228	114	3,019	140	202	70
51	Springfield, Mass.	387	1,495	816	813	246	3,160	183	341	220
52	Des Moines, Iowa	224	839	324	456	8	2,664	105	126	99
53	Tulsa, Okla.	163	522	162	137	7	1,870	43	100	19
54	Scranton, Pa.	244	898	406	457	----	2,065	32	138	227
55	Paterson, N. J.	206	1,324	715	235	168	2,632	84	145	242
56	Jacksonville, Fla.	227	919	507	529	78	1,074	44	212	127
57	Nashville, Tenn.	213	776	312	295	251	925	37	133	61
58	Flint, Mich.	178	707	428	241	340	1,726	52	171	33
59	Trenton, N. J.	240	1,153	597	483	118	2,255	87	155	144
60	Salt Lake City, Utah	249	500	236	365	45	2,145	64	191	47
61	Camden, N. J.	266	1,036	398	348	91	1,801	41	118	225
62	Fall River, Mass.	243	995	519	571	575	2,095	78	127	200
63	Miami, Fla.	297	1,422	960	701	1,007	2,042	30	146	572
64	Wilmington, Del.	210	677	302	219	7	1,234	46	102	70
65	Erie, Pa.	207	548	221	285	1	1,580	43	26	105
66	Cambridge, Mass.	277	980	776	541	372	1,620	76	260	326
67	New Bedford, Mass.	263	1,135	650	401	364	1,910	78	134	217
68	Albany, N. Y.	330	1,049	637	449	318	1,433	85	219	236
69	Yonkers, N. Y.	424	1,231	954	453	428	2,808	41	163	363
70	Kansas City, Kans.	145	607	139	196	28	1,601	28	58	39
71	San Diego, Calif.	354	767	407	448	20	2,079	92	305	80
72	Duluth, Minn.	266	703	178	313	33	1,888	66	141	123
73	Reading, Pa.	178	426	308	420	(1)	1,309	42	111	124
74	Canton, Ohio	191	400	221	452	33	1,423	16	28	101
75	Elizabeth, N. J.	180	894	342	269	83	1,612	49	53	112
76	Oklahoma City, Okla.	155	534	215	175	42	1,753	37	73	29
77	Lowell, Mass.	225	861	400	403	315	1,402	34	60	273
78	El Paso, Tex.	107	409	223	105	58	1,029	27	93	6
79	Spokane, Wash.	153	620	279	298	35	1,798	71	132	70
80	Tacoma, Wash.	217	686	178	333	40	1,493	53	133	48
81	Waterbury, Conn.	268	886	375	575	164	1,705	45	106	140
82	Lynn, Mass.	103	745	375	358	163	1,368	74	155	222
83	Tampa, Fla.	204	740	546	330	213	988	62	261	114
84	Utica, N. Y.	232	709	414	234	195	1,424	82	103	103
85	Fort Wayne, Ind.	74	600	161	174	----	1,491	98	87	76
86	Somerville, Mass.	149	623	394	249	122	1,199	68	119	197
87	Knoxville, Tenn.	223	479	213	300	229	870	40	11	129
88	Long Beach, Calif.	358	846	426	419	38	2,455	108	290	101

[1] Less than $500.

[2] Less than one-half of 1 cent.

DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued

Per capita governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous		
					Schools	Libraries				
4.98	13.02	7.47	2.76	6.14	18.63	0.69	1.59	1.80	Newark, N. J.	15
3.13	6.08	3.81	4.29	2.10	16.25	.98	1.77	1.85	Minneapolis, Minn.	16
3.23	7.09	3.51	2.67	1.26	9.06	.17	.80	.64	New Orleans, La.	17
4.98	6.60	3.23	5.67	3.47	18.78	.66	.79	3.37	Cincinnati, Ohio	18
5.51	6.47	2.51	6.31	4.51	15.31	.61	1.17	.50	Kansas City, Mo.	19
									Seattle, Wash.	20
3.29	7.69	3.01	2.49	2.30	13.37	.83	1.62	1.09	Indianapolis, Ind.	21
4.68	9.02	7.51	4.72	2.92	20.65	.64	2.28	3.71	Rochester, N. Y.	22
6.63	15.12	5.36	3.63	6.52	14.65	.67	1.65	2.63	Jersey City, N. J.	23
2.09	5.40	3.02	3.36	2.42	9.91	.49	.72	.77	Louisville, Ky.	24
4.03	7.91	2.00	7.05	2.17	13.99	.71	.59	1.58	Toledo, Ohio	25
									Akron, Ohio	26
1.47	5.75	2.91	2.13	.24	13.51	.22	.43	1.46	Columbus, Ohio	27
									Portland, Oreg.	28
3.89	7.50	2.47	3.82	2.50	15.73	.82	2.57	1.72	Denver, Colo.	29
1.84	9.11	3.61	3.82	1.06	12.91	.15	.79	1.29	Providence, R. I.	30
2.15	8.76	2.41	2.77	.07	18.45	.59	1.58	.42	Oakland, Calif.	31
2.04	7.40	1.84	2.90	1.39	12.99	.87	1.39	1.11	St. Paul, Minn.	32
1.28	6.51	3.12	1.90	2.56	14.15	.44	.70	.66	Atlanta, Ga.	33
1.80	7.61	1.48	1.77	.09	14.20	.41	.78	1.07	Omaha, Nebr.	34
1.26	5.88	1.95	1.96	.36	10.48	.51	.67	.33	Birmingham, Ala.	35
1.11	4.71	2.26	3.04	.41	8.72	.16	.90	.36	San Antonio, Tex.	36
1.49	6.00	2.94	3.09	1.43	11.60	.14	1.22	.35	Dallas, Tex.	37
2.69	8.31	4.55	6.41	3.03	14.78	.57	1.09	2.77	Syracuse, N. Y.	38
									Houston, Tex.	39
1.94	9.79	4.32	5.02	5.57	17.86	.81	1.03	1.73	Worcester, Mass.	40
2.73	6.30	2.94	2.69	1.34	10.62	.29	.68	.70	Richmond, Va.	41
2.06	8.78	2.30	2.49	1.45	14.95	.49	1.41	1.24	New Haven, Conn.	42
1.90	5.08	2.34	2.73	1.47	13.44	.92	.90	1.14	Dayton, Ohio	43
1.91	7.10	2.51	1.20	.98	7.82	.19	.44	.70	Norfolk, Va.	44
1.38	6.49	3.83	2.67	2.58	9.44	.39	1.97	.23	Memphis, Tenn.	45
									Bridgeport, Conn.	46
1.80	3.63	1.28	3.06	.49	13.31	.60	1.03	.74	Youngstown, Ohio	47
2.51	9.58	4.86	3.23	1.58	18.02	.36	2.17	1.18	Hartford, Conn.	48
1.47	4.93	1.81	1.44	.74	9.46	.15	1.18	.11	Fort Worth, Tex.	49
1.97	6.86	3.30	1.45	.73	19.24	.89	1.29	.45	Grand Rapids, Mich.	50
2.63	10.15	5.54	5.52	1.67	21.47	1.24	2.31	1.50	Springfield, Mass.	51
1.53	5.72	2.21	3.12	.05	18.16	.71	.86	.67	Des Moines, Iowa	52
1.05	3.58	1.12	.94	.05	12.83	.29	.69	.13	Tulsa, Okla.	53
1.69	6.24	2.82	3.17		14.35	.22	.96	1.58	Scranton, Pa.	54
1.43	9.21	4.97	1.64	1.15	18.30	.58	1.01	1.68	Paterson, N. J.	55
									Jacksonville, Fla.	56
1.54	5.63	2.20	2.15	1.82	6.72	.27	.97	.44	Nashville, Tenn.	57
1.29	5.14	3.11	1.76	2.47	12.55	.38	1.24	.24	Flint, Mich.	58
1.76	8.43	4.37	3.53	.86	16.50	.63	1.13	1.05	Trenton, N. J.	59
1.84	3.69	1.74	2.68	.33	15.81	.47	1.41	.35	Salt Lake City, Utah	60
2.00	7.79	2.99	2.62	.68	13.53	.31	.89	1.69	Camden, N. J.	61
1.84	7.50	3.92	4.30	4.33	15.80	.59	.96	1.51	Fall River, Mass.	62
2.25	10.80	7.29	5.32	7.65	15.50	.23	1.11	4.35	Miami, Fla.	63
1.68	5.41	2.41	1.74	.06	9.85	.37	.82	.55	Wilmington, Del.	64
									Erie, Pa.	65
2.26	8.00	6.33	4.42	3.04	13.22	.62	2.12	2.66	Cambridge, Mass.	66
2.20	9.49	5.44	3.35	3.05	15.97	.66	1.12	1.81	New Bedford, Mass.	67
2.76	8.78	5.33	3.75	2.66	11.99	.71	1.83	1.98	Albany, N. Y.	68
3.56	10.36	8.04	3.81	3.61	23.64	.34	1.37	3.05	Yonkers, N. Y.	69
1.23	5.16	1.18	1.67	.24	13.62	.23	.50	.33	Kansas City, Kans.	70
3.07	6.65	3.53	3.39	.17	18.03	.79	2.65	.69	San Diego, Calif.	71
2.32	6.13	1.55	2.73	.29	16.46	.58	1.23	1.07	Duluth, Minn.	72
1.56	3.73	2.68	3.67	(2)	12.21	.37	.97	1.08	Reading, Pa.	73
1.69	3.53	1.96	3.99	.29	12.56	.15	.25	.89	Canton, Ohio	74
									Elizabeth, N. J.	75
									Oklahoma City, Okla.	76
2.04	7.81	3.63	3.65	2.86	13.53	.31	.54	2.48	Lowell, Mass.	77
.97	3.72	2.02	.96	.52	9.35	.25	.84	.05	El Paso, Tex.	78
1.40	5.68	2.56	2.74	.33	16.49	.65	1.21	.64	Spokane, Wash.	79
2.02	6.40	1.66	3.11	.37	13.93	.50	1.24	.45	Tacoma, Wash.	80
									Waterbury, Conn.	81
1.56	7.10	3.57	3.41	1.56	13.05	.70	1.48	2.12	Lynn, Mass.	82
1.95	7.08	5.22	3.17	2.04	9.45	.59	2.50	1.09	Tampa, Fla.	83
2.25	6.85	4.01	2.27	1.88	13.77	.79	.99	1.80	Utica, N. Y.	84
.71	5.90	1.56	1.69		14.46	.05	.85	.74	Fort Wayne, Ind.	85
1.46	6.12	3.88	2.46	1.21	11.81	.67	1.17	1.94	Somerville, Mass.	86
2.21	4.72	2.10	2.97	2.27	8.60	.39	.11	1.27	Knoxville, Tenn.	87
3.55	8.38	4.22	4.14	.37	24.30	1.07	2.87	1.00	Long Beach, Calif.	88

No. 242.—NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1926	1927	1915	1922	1926	1927
1	New York, N. Y.	921,754	1,067,021	1,326,051	1,394,476	172.82	182.72	223.84	233.55
2	Chicago, Ill.	65,911	131,341	204,429	241,700	27.49	46.35	67.07	77.90
3	Philadelphia, Pa.	101,884	195,846	357,721	381,583	61.44	103.38	178.15	187.43
4	Detroit, Mich.	18,377	122,587	206,246	214,224	33.65	123.37	162.65	163.24
5	Cleveland, Ohio	57,074	116,089	136,871	134,273	89.26	135.85	142.57	136.39
6	St. Louis, Mo.	21,919	14,183	24,956	34,388	29.72	17.99	30.29	41.30
7	Baltimore, Md.	59,614	79,911	117,042	125,342	102.85	104.84	144.85	153.04
8	Boston, Mass.	83,096	84,678	98,558	100,626	113.10	110.76	125.23	126.88
9	Los Angeles, Calif.	42,673	68,826	187,692	203,403	94.38	110.59	(1)	(1)
10	Pittsburgh, Pa.	51,932	74,840	101,842	116,470	91.93	123.13	159.88	175.01
11	San Francisco, Calif.	42,636	71,058	80,702	81,714	94.27	135.30	143.60	143.01
12	Buffalo, N. Y.	32,748	44,014	72,597	78,185	71.54	84.01	134.19	142.91
13	Washington, D. C.	6,223	156			17.48	.36		
14	Milwaukee, Wis.	14,381	31,954	39,753	50,819	34.27	66.97	76.89	95.69
15	Newark, N. J.	36,961	48,998	70,498	83,252	94.99	113.48	153.59	178.39
16	Minneapolis, Minn.	19,007	37,204	49,926	52,921	55.34	92.78	115.04	118.21
17	New Orleans, La.	42,846	40,416	44,505	49,206	118.61	100.79	106.22	115.94
18	Cincinnati, Ohio	59,839	81,470	82,500	82,094	148.79	201.23	200.73	199.16
19	Kansas City, Mo.	9,768	15,542	36,806	43,430	34.32	45.88	99.47	115.02
20	Seattle, Wash.	31,029	58,435	72,023	74,714	90.12	185.11	(1)	(1)
21	Indianapolis, Ind.	4,850	24,456	31,434	31,303	18.67	78.00	85.65	83.63
22	Rochester, N. Y.	11,570	24,180	38,148	42,094	47.21	77.61	118.84	129.72
23	Jersey City, N. J.	19,521	36,387	76,891	66,547	66.53	118.94	241.80	206.99
24	Louisville, Ky.	11,865	12,378	19,218	21,171	50.60	52.31	62.40	66.77
25	Toledo, Ohio	10,000	26,690	30,001	32,966	54.31	102.37	101.70	107.94
26	Akron, Ohio	6,859	23,338	35,298	37,759	85.43	111.97	(1)	(1)
27	Columbus, Ohio	10,044	21,843	25,697	27,220	49.10	85.51	90.17	95.41
28	Portland, Oreg.	16,022	25,585	40,759	43,967	61.72	95.16	(1)	(1)
29	Denver, Colo.	908	16,495	32,190	32,087	3.79	61.64	112.95	110.72
30	Providence, R. I.	13,523	13,786	24,183	27,005	55.46	57.28	88.58	96.76
31	Oakland, Calif.	9,927	11,768	18,879	26,751	53.11	51.19	73.46	101.37
32	St. Paul, Minn.	10,560	13,014	27,402	27,343	44.60	54.26	110.49	109.33
33	Atlanta, Ga.	4,920	7,054	8,822	12,199	27.44	32.32	(1)	48.99
34	Omaha, Nebr.	15,291	20,993	33,599	33,231	114.73	149.41	155.55	151.60
35	Birmingham, Ala.	5,839	9,345	14,295	15,217	35.57	49.24	68.40	71.04
36	San Antonio, Tex.	5,634	8,035	20,700	23,385	48.20	46.13	102.99	112.70
37	Dallas, Tex.	5,947	11,728	20,510	21,119	52.38	68.67	103.59	103.12
38	Syracuse, N. Y.	8,970	13,875	21,578	24,248	80.10	76.66	116.64	123.09
39	Houston, Tex.	9,858	15,459	29,783	35,744	94.13	103.00	(1)	(1)
40	Worcester, Mass.	7,539	6,175	8,447	8,503	47.86	32.82	43.77	43.54
41	Richmond, Va.	11,170	16,465	25,553	26,623	82.70	92.20	135.20	138.06
42	New Haven, Conn.	4,236	9,346	10,611	10,360	29.31	54.98	58.30	56.03
43	Dayton, Ohio	6,009	10,480	16,497	18,955	48.54	64.76	93.20	104.90
44	Norfolk, Va.	8,234	24,268	33,267	32,969	94.31	194.28	191.19	183.98
45	Memphis, Tenn.	12,289	19,453	24,976	25,462	85.80	115.89	141.11	142.32
46	Bridgeport, Conn.	2,621	10,492	14,160	13,376	22.58	69.47	(1)	(1)
47	Youngstown, Ohio	3,950	11,171	10,347	9,641	39.27	84.40	62.71	56.91
48	Hartford, Conn.	8,806	13,408	15,757	16,076	81.90	92.42	97.87	97.31
49	Fort Worth, Tex.	5,447	9,235	15,977	19,803	57.64	81.68	101.12	121.87
50	Grand Rapids, Mich.	3,786	5,700	12,045	12,830	30.56	40.24	78.22	81.77
51	Springfield, Mass.	7,549	9,950	14,411	14,860	75.38	71.23	99.39	100.95
52	Des Moines, Iowa	3,355	13,930	17,434	18,310	34.48	104.19	121.07	124.81
53	Tulsa, Okla.	(2)	6,258	14,062	14,852	(2)	70.25	106.53	101.86
54	Scranton, Pa.	2,537	2,914	4,410	7,375	17.95	20.84	30.88	51.25
55	Paterson, N. J.	4,739	7,940	14,344	17,076	35.02	57.32	100.31	118.75
56	Jacksonville, Fla.	3,848	7,453	12,720	14,939	54.83	76.35	(1)	(1)
57	Nashville, Tenn.	6,038	9,557	11,773	14,831	52.55	79.42	85.94	107.62
58	Flint, Mich.	1,551	10,120	15,847	18,076	31.64	94.89	120.96	131.46
59	Trenton, N. J.	2,714	3,970	11,790	12,778	25.31	31.74	87.98	93.48
60	Salt Lake City, Utah	6,223	9,794	9,106	9,034	56.71	79.03	68.47	66.57
61	Camden, N. J.	4,379	6,946	9,407	11,113	42.73	56.98	71.81	83.49
62	Fall River, Mass.	5,049	7,106	10,203	9,893	40.25	58.83	77.89	74.60
63	Miami, Fla.	(2)	5,575	14,180	26,539	(2)	162.41	111.66	201.51
64	Wilmington, Del.	5,180	9,278	10,489	10,555	56.00	81.04	85.29	84.24
65	Erie, Pa.	1,034	6,467	7,819	8,085	14.29	59.04	(1)	(1)
66	Cambridge, Mass.	7,198	5,959	5,996	6,240	65.03	53.89	49.55	50.94
67	New Bedford, Mass.	8,030	12,167	12,585	12,283	72.38	95.55	105.28	102.76
68	Albany, N. Y.	5,783	6,358	14,400	16,402	56.17	54.70	121.01	137.25
69	Yonkers, N. Y.	8,631	12,444	19,370	20,155	92.42	118.04	166.98	169.65
70	Kansas City, Kans.	7,555	8,999	13,880	12,870	58.94	79.08	118.63	109.53

[1] Per capita not computed.

[2] Not reported in 1915.

No. 242.—NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS—Continued

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1926	1927	1915	1922	1926	1927
71	San Diego, Calif.	10,868	12,011	15,210	16,166	222.26	143.80	138.27	140.21
72	Duluth, Minn.	6,695	8,309	10,752	12,342	76.94	79.76	95.15	107.61
73	Reading, Pa.	2,115	3,698	8,981	9,814	20.46	33.61	78.78	85.71
74	Canton, Ohio	2,647	11,053	12,557	12,191	46.09	115.45	114.15	107.60
75	Elizabeth, N. J.	3,217	3,105	4,484	4,873	38.53	30.55	(1)	(1)
76	Oklahoma City, Okla.	4,827	8,811	12,155	11,718	56.22	90.85	(1)	(1)
77	Lowell, Mass.	2,675	6,149	5,427	5,190	24.09	53.74	49.20	47.06
78	El Paso, Tex.	2,958	6,240	6,745	6,515	59.02	74.18	63.63	59.25
79	Spokane, Wash.	7,704	6,318	4,492	5,132	57.23	60.42	41.21	47.09
80	Tacoma, Wash.	9,937	7,168	11,946	11,028	96.08	71.42	112.69	102.87
81	Waterbury, Conn.	4,399	9,572	13,751	14,794	53.32	99.20	(1)	(1)
82	Lynn, Mass.	4,328	3,265	5,795	6,221	44.07	32.11	55.72	59.36
83	Tampa, Fla.	2,883	2,465	11,474	15,034	57.50	45.60	116.02	143.87
84	Utica, N. Y.	2,114	4,429	7,760	8,276	25.77	43.59	75.40	80.06
85	Fort Wayne, Ind.	987	2,972	4,544	4,706	13.63	32.46	45.44	45.65
86	Somerville, Mass.	1,616	1,459	1,457	2,311	19.26	15.01	14.57	22.75
87	Knoxville, Tenn.	3,193	8,024	15,651	16,465	84.12	94.68	159.87	162.70
88	Long Beach, Calif.	(2)	5,166	15,604	16,778	(2)	81.51	165.29	166.12

[1] Per capita not computed.
[2] Not reported in 1915.

Source: Bureau of the Census, Department of Commerce.

No. 243.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1927

NOTE.—See headnote, Table 225. Cities are arranged in order of their estimated population in 1927

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Operation and maintenance	Interest	Outlays	Net debt	Total revenue receipts	Operation and maintenance	Interest	Net debt
89	Savannah, Ga.	2,962	2,068	246	1,126	5,216	29.70	20.74	2.47	52.32
90	Allentown, Pa.	2,957	2,153	225	1,707	5,408	30.49	22.20	2.32	55.76
91	Evansville, Ind.	3,967	2,563	177	1,251	4,144	41.07	26.53	1.83	42.90
92	Wichita, Kans.	4,241	2,761	427	1,453	5,428	44.13	28.73	4.45	56.48
93	Lawrence, Mass.	4,621	3,820	300	120	5,001	49.41	40.85	3.20	53.47
94	Schenectady, N. Y.	6,019	4,420	402	1,665	7,998	64.58	47.43	4.31	85.82
95	Bayonne, N. J.	5,999	5,260	717	549	9,388	64.43	56.49	7.71	100.84
96	Wilkes-Barre, Pa.	3,403	2,564	245	384	3,893	37.43	28.21	2.70	42.83
97	Hamtramck, Mich.	3,644	2,444	284	880	3,973	40.13	26.91	3.13	43.75
98	Harrisburg, Pa.	3,816	2,638	368	1,804	9,118	44.53	30.79	4.30	106.39
99	Gary, Ind.	5,763	2,892	173	3,525	4,407	67.65	33.94	2.03	51.72
100	Manchester, N. H.	3,278	2,380	250	590	5,229	38.67	28.07	2.95	61.67
101	South Bend, Ind.	6,690	2,700	261	3,452	5,403	79.46	33.13	3.10	64.17
102	Peoria, Ill.	2,999	2,125	120	928	1,050	35.92	25.46	1.44	12.57
103	Rockford, Ill.	3,815	2,327	296	1,924	2,225	47.16	28.76	3.66	27.50
104	Highland Park, Mich.	5,055	3,567	478	831	6,843	63.74	44.97	6.04	86.29
105	St. Joseph, Mo.	3,388	1,853	166	1,501	3,698	43.21	23.63	2.12	47.18
106	Sioux City, Iowa	3,004	2,499	197	802	3,851	40.09	31.96	2.52	49.24
107	Shreveport, La.	2,996	1,882	392	1,019	8,036	38.41	24.13	5.02	103.06
108	Portland, Me.	3,962	2,873	465	669	8,886	51.13	37.08	6.00	114.65
109	Little Rock, Ark.	2,789	1,509	328	1,882	4,018	35.99	19.48	4.23	51.85
110	Charleston, S. C.	3,454	2,310	577	559	9,247	46.05	30.80	7.69	123.30
111	Sacramento, Calif.	5,944	3,752	568	2,826	13,576	79.68	50.30	7.62	181.98
112	Lansing, Mich.	6,441	3,361	378	1,603	5,459	87.05	45.42	5.11	73.77
113	Binghamton, N. Y.	4,566	3,469	299	1,335	6,843	61.79	46.93	4.05	92.58
114	Saginaw, Mich.	3,589	2,404	338	1,216	4,095	48.57	32.54	4.56	55.41
115	Winston-Salem, N. C.	2,778	1,667	756	1,423	10,322	37.70	22.61	10.26	140.05
116	East St. Louis, Ill.	2,519	1,611	257	430	2,865	34.46	22.03	3.52	36.75
117	Johnstown, Pa.	3,102	2,376	374	1,413	8,331	42.49	32.55	5.13	114.12
118	Chattanooga, Tenn.	2,836	2,016	493	1,510	9,097	39.00	27.73	6.78	125.13
119	Terre Haute, Ind.	2,768	2,092	153	742	2,906	38.07	28.77	2.10	39.97
120	Chester, Pa.	1,975	1,303	227	541	3,747	27.32	18.03	3.14	51.83
121	Troy, N. Y.	3,780	2,887	325	839	6,664	52.28	39.93	4.50	92.18
122	Pawtucket, R. I.	3,194	2,179	516	1,489	9,631	44.30	30.22	7.16	133.59

No. 243.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 100,000 Inhabitants, 1927—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Operation and maintenance	Interest	Outlays	Net debt	Total revenue receipts	Operation and maintenance	Interest	Net debt
123	Springfield, Ohio	2,569	1,691	214	711	2,942	35.88	23.62	2.99	41.08
124	Racine, Wis	3,089	1,907	182	1,135	4,375	43.33	26.74	2.55	61.36
125	Passaic, N. J	3,057	2,636	595	885	8,048	43.18	37.23	8.40	113.67
126	New Britain, Conn	3,134	2,311	270	1,352	6,450	44.77	33.02	3.85	92.14
127	Lincoln, Nebr	4,032	2,544	326	2,071	5,240	58.10	36.66	4.69	75.50
128	Berkeley, Calif	4,040	2,913	205	2,203	5,008	58.98	42.47	2.99	74.31
129	Cicero, Ill	2,724	1,786	223	1,609	1,344	39.77	26.08	3.25	19.62
130	Hoboken, N. J	5,112	3,748	641	19	9,096	75.00	54.98	9.40	133.43
131	Altoona, Pa	2,244	1,503	232	582	3,546	33.10	22.16	3.42	52.30
132	Mobile, Ala	2,101	1,531	335	1,033	4,826	31.12	22.68	4.97	71.49
133	Niagara Falls, N. Y	4,873	3,040	596	1,563	11,924	73.16	45.65	8.95	179.04
134	Bethlehem, Pa	2,496	1,466	363	833	6,490	37.82	22.21	5.49	98.33
135	Huntington, W. Va	2,763	1,916	187	703	3,349	41.86	29.03	2.84	50.75
136	Brockton, Mass	3,635	2,639	228	627	3,422	55.63	40.39	3.49	52.36
137	Quincy, Mass	4,444	2,966	382	1,586	5,180	68.05	45.42	5.85	79.33
138	Springfield, Ill	3,626	2,289	186	1,685	2,559	55.95	35.32	2.86	39.49
139	Union City, N. J	2,534	2,201	253	1,022	4,373	39.60	34.38	3.96	68.32
140	East Orange, N. J	3,781	2,756	480	1,254	5,548	59.73	43.54	7.58	87.64
141	Roanoke, Va	2,157	1,530	262	407	6,734	34.12	24.21	4.14	106.55
142	Lakewood, Ohio	3,671	2,285	506	629	1,032	59.01	36.75	8.13	16.59
143	Wichita Falls, Tex	2,062	1,229	506	1,015	8,578	(1)	(1)	(1)	(1)
144	Topeka, Kans	3,016	2,027	177	1,933	3,203	48.72	32.75	2.86	51.74
145	Jackson, Mich	2,641	1,622	301	1,712	6,019	42.80	26.28	4.89	97.56
146	Fresno, Calif	2,632	2,341	179	444	3,664	42.94	38.18	2.92	59.77
147	Portsmouth, Va	1,948	1,138	501	325	8,138	32.09	18.75	8.25	134.06
148	Holyoke, Mass	4,865	3,669	245	595	4,100	80.55	60.76	4.05	69.38
149	Macon, Ga	2,000	1,421	131	320	2,407	33.27	23.65	2.17	40.05
150	Pasadena, Calif	8,342	4,733	589	3,816	12,048	140.91	79.94	9.96	203.52
151	Covington, Ky	1,847	1,364	168	613	3,283	31.46	23.23	2.87	55.93
152	Lancaster, Pa	1,762	1,474	145	581	3,292	30.53	25.55	2.51	57.06
153	Wheeling, W. Va	2,866	2,076	235	578	4,065	60.99	36.95	4.18	72.32
154	Augusta, Ga	2,361	1,675	165	671	3,256	42.01	29.81	2.93	57.94
155	Newton, Mass	4,637	3,423	301	1,376	4,634	82.80	61.13	5.37	82.75
156	Oak Park, Ill	3,402	1,922	269	2,210	2,558	61.19	34.57	4.83	46.00
157	Kalamazoo, Mich	2,910	1,866	215	770	2,620	52.43	33.62	3.88	47.20
158	Decatur, Ill	2,588	1,543	232	1,170	2,196	46.81	27.90	4.20	39.71
159	Charlotte, N. C	2,899	1,730	487	1,233	7,343	52.61	31.40	8.83	133.27
160	Kenosha, Wis	3,261	1,921	151	1,179	3,294	59.72	35.17	2.76	60.33
161	Atlantic City, N. J	7,028	5,894	967	3,424	20,537	129.67	108.74	17.86	378.96
162	Hammond, Ind	4,200	2,039	138	2,031	2,638	77.49	37.63	2.56	48.67
163	Pontiac, Mich	3,516	1,965	275	1,945	5,059	65.12	36.39	5.09	93.69
164	Davenport, Iowa	2,454	1,698	143	395	2,580	45.67	31.60	2.65	48.00
165	Beaumont, Tex	1,918	1,335	304	1,275	6,286	35.91	25.00	5.69	117.72
166	Cedar Rapids, Iowa	2,285	1,514	153	689	3,061	42.79	28.35	2.87	57.32
167	Mount Vernon, N. Y	4,785	3,158	532	2,066	11,477	89.77	59.25	9.99	215.32
168	Malden, Mass	2,643	1,986	207	498	2,717	49.97	37.55	3.91	51.36
169	Woonsocket, R. I	2,451	1,574	469	1,022	7,327	46.87	30.11	8.96	140.10
170	Newport News, Va	1,557	877	341	92	6,029	30.12	16.95	6.60	116.62
171	New Castle, Pa	1,789	1,309	135	624	3,308	34.67	25.37	2.61	64.11
172	Charleston, W. Va	2,166	1,276	193	637	2,994	41.97	24.74	3.74	58.03
173	Medford, Mass	2,809	1,948	205	930	3,904	54.77	37.97	4.01	76.09
174	Springfield, Mo	1,628	1,062	33	444	1,473	31.99	20.87	.65	28.93
175	Columbia, S. C	1,567	1,097	198	1,027	3,525	31.35	21.93	3.97	70.50
176	McKeesport, Pa	2,066	1,583	139	792	2,433	41.40	31.72	2.78	48.76
177	Stockton, Calif	2,755	1,901	220	898	4,423	55.32	38.16	4.43	88.92
178	York, Pa	1,585	1,183	103	885	1,876	31.95	23.84	2.08	37.82
179	Galveston, Tex	2,266	1,437	481	1,585	8,846	45.78	29.04	9.71	178.72
180	Elmira, N. Y	2,341	1,859	151	212	3,292	47.29	37.57	3.05	66.50
181	Greensboro, N. C	2,430	1,126	554	2,412	8,255	49.19	22.79	11.22	167.11
182	Bay City, Mich	2,491	1,762	259	128	3,785	50.53	35.75	5.25	76.77
183	Haverhill, Mass	2,584	2,086	102	420	1,646	52.50	42.37	2.08	33.42
184	Perth Amboy, N. J	2,490	1,641	405	701	5,721	50.71	33.42	8.25	116.52
185	East Chicago, Ind	2,727	1,486	230	1,072	4,265	55.54	30.27	4.69	86.87
186	Pittsfield, Mass	2,290	1,628	121	328	2,174	46.63	33.16	2.46	44.29
187	Chelsea, Mass	2,501	2,003	243	231	2,708	51.04	40.88	4.96	55.26

[1] Not computed.

No. 243.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 100,000 Inhabitants, 1927—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Operation and maintenance	Interest	Outlay	Net debt	Total revenue receipts	Operation and maintenance	Interest	Net debt
188	Madison, Wis	3,548	2,352	804	1,351	5,232	72.71	48.20	6.23	107.21
189	Lima, Ohio	2,538	1,189	426	292	5,663	52.11	24.40	8.75	116.29
190	Lexington, Ky	1,804	1,162	133	736	1,865	37.50	24.16	2.77	38.78
191	New Rochelle, N. Y	4,189	3,410	347	2,072	8,144	88.57	72.10	7.33	172.17
192	St. Petersburg, Fla	6,189	3,168	1,043	15,317	14,523	131.12	67.11	22.21	307.70
193	Montgomery, Ala	1,500	1,081	290	303	4,194	32.05	23.09	6.20	89.62
194	Aurora, Ill	2,045	1,211	151	826	1,102	43.98	26.04	3.25	23.70
195	Evanston, Ill	4,498	2,439	313	1,312	3,105	96.93	52.57	6.74	66.93
196	Columbus, Ga	1,511	1,095	99	230	2,119	32.98	23.90	2.17	46.27
197	Muncie, Ind	1,449	1,017	64	347	1,192	31.64	22.21	1.40	26.03
198	Waco, Tex	1,841	1,281	213	364	3,120	40.47	28.15	4.69	68.58
199	Muskegon, Mich	2,455	1,487	227	620	3,953	53.95	32.70	4.99	86.87
200	Jamestown, N. Y	3,125	2,043	213	1,682	4,673	69.30	45.31	4.73	103.62
201	Brookline, Mass	3,730	2,706	180	706	2,090	83.27	60.41	4.02	46.65
202	San Jose, Calif	2,733	1,836	118	652	2,301	61.00	40.99	2.63	51.37
203	Fitchburg, Mass	2,451	1,841	145	504	2,845	54.83	41.20	3.24	63.66
204	Durham, N. C	1,936	1,233	372	2,124	6,881	43.40	27.64	8.34	154.29
205	Chicopee, Mass	2,433	1,809	110	473	1,842	55.04	40.92	2.50	41.67
206	Pueblo, Colo	2,410	1,420	285	639	3,067	54.65	32.20	6.46	69.55
207	Lorain, Ohio	2,053	1,181	286	430	3,392	46.67	26.85	6.51	77.09
208	Battle Creek, Mich	1,871	1,236	90	1,024	1,071	42.81	28.28	2.06	24.51
209	Williamsport, Pa	1,478	1,085	79	552	1,708	33.91	24.90	1.80	39.17
210	Hamilton, Ohio	3,165	1,887	240	717	3,321	73.09	43.57	5.55	76.69
211	Butte, Mont	1,311	906	141	181	1,584	30.36	20.99	3.25	36.66
212	Salem, Mass	2,343	1,737	114	536	2,306	54.61	40.50	2.66	53.74
213	Everett, Mass	2,491	1,918	207	507	1,838	58.07	44.72	4.82	42.84
214	Stamford, Conn	2,945	2,013	239	1,675	4,347	68.96	47.15	5.60	101.81
215	Dubuque, Iowa	1,594	1,106	118	227	3,038	38.33	26.59	2.83	73.02
216	Joliet, Ill	1,721	1,232	153	269	1,605	41.47	29.09	3.68	38.67
217	Rock Island, Ill	1,305	782	106	436	178	31.67	18.98	2.57	4.31
218	Council Bluffs, Iowa	1,833	1,148	107	523	2,059	44.59	27.93	2.60	50.10
219	Portsmouth, Ohio	1,784	1,108	300	829	3,901	44.04	27.35	7.40	96.33
220	Taunton, Mass	2,337	1,707	167	588	2,524	58.29	42.57	4.16	62.93
221	New Brunswick, N. J	1,975	1,544	252	732	4,037	49.50	38.70	6.32	101.18
222	Superior, Wis	1,943	1,453	101	405	2,148	48.97	36.61	2.55	54.14
223	Quincy, Ill	1,584	942	77	761	311	40.30	23.97	1.95	7.91
224	Kokomo, Ind	1,000	676	26	229	497	25.58	17.30	.65	12.71
225	Austin, Tex	2,085	1,490	156	301	2,874	53.75	38.41	4.02	74.07
226	Lynchburg, Va	1,723	1,237	227	331	3,763	44.64	32.03	5.89	97.49
227	Ogden, Utah	1,722	1,095	244	353	3,502	44.96	26.23	6.36	91.43
228	Wilmington, N. C	1,178	879	184	368	3,472	31.00	23.13	4.83	91.36
229	Easton, Pa	1,801	1,125	220	1,071	3,994	47.53	29.69	5.81	105.38
230	Danville, Ill	1,119	817	126	255	1,071	20.60	21.61	3.34	28.34
231	Hazelton, Pa	1,163	909	137	659	2,888	31.03	24.25	3.65	77.00
232	Waterloo, Iowa	1,668	1,083	141	337	2,530	45.07	29.25	3.82	68.39
233	Petersburg, Va	1,061	752	199	284	3,400	28.82	20.44	5.39	92.39
234	Waltham, Mass	2,016	1,603	139	570	2,259	55.38	44.04	3.81	62.05
235	Orange, N. J	1,849	1,447	252	194	3,735	51.22	40.09	6.97	103.46
236	Poughkeepsie, N. Y	2,009	1,494	175	412	3,113	55.95	41.61	4.89	86.72
237	Amsterdam, N. Y	1,728	1,183	110	190	1,886	48.13	32.97	3.05	52.55
238	Norristown, Pa	923	676	55	271	1,521	25.79	18.88	1.53	42.50
239	Auburn, N. Y	1,524	1,190	62	142	852	42.71	33.36	1.74	23.87
240	Lewiston, Me	980	773	63	127	1,397	27.53	21.70	1.77	39.24
241	Green Bay, Wis	1,635	1,202	132	328	2,493	46.06	33.85	3.73	70.21
242	Elgin, Ill	1,456	886	103	1,148	1,036	41.61	25.29	2.95	29.61
243	Moline, Ill	1,221	927	84	363	288	35.29	26.80	2.42	8.32
244	Sheboygan, Wis	2,077	1,213	56	654	875	60.21	35.16	1.61	25.35
245	Watertown, N. Y	1,749	1,241	158	471	3,308	52.53	37.27	4.73	99.35
246	Oshkosh, Wis	1,864	1,273	69	574	1,486	56.16	38.33	2.08	44.76
247	Muskogee, Okla	1,368	947	107	28	2,082	41.82	28.96	6.02	63.68
248	Newburgh, N. Y	1,422	1,122	87	1,008	2,239	46.79	36.91	2.88	73.64
249	La Crosse, Wis	1,677	1,195	102	486	1,436	55.16	39.30	3.35	47.25
250	Colorado Springs, Colo	2,703	1,773	261	343	4,891	39.79	58.90	8.68	162.46

Source: Bureau of the Census, Department of Commerce.

11. MONEY AND BANKING

No. 244.—COINAGE OF THE UNITED STATES MINTS: 1793 TO 1929

[All figures in thousands of dollars]

Period [1] or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793–1800	2,534	1,014	1,440	79	1890	139,243	111,344	26,062	1,837
1801–1810	6,971	3,260	3,569	151	1900	137,649	99,273	36,345	2,031
1811–1820	9,328	3,166	5,970	191	1901	134,694	101,735	30,838	2,120
1821–1830	18,835	1,903	16,781	151	1902	79,661	47,185	30,028	2,448
1831–1840	46,463	18,777	27,343	342	1903	65,810	43,684	19,874	2,251
1841–1850	111,959	89,215	22,363	380	1904	250,782	233,402	15,696	1,684
1851–1855	237,390	214,142	22,972	276	1905	58,269	49,638	6,332	2,299
1856–1860	155,945	130,264	24,660	1,021	1906	92,335	78,793	10,651	2,891
1861–1865	185,015	175,093	7,146	2,775	1907	148,128	131,907	13,178	3,042
1866–1870	126,901	115,417	5,610	5,873	1908	145,499	131,639	12,392	1,469
1871–1875	201,340	168,074	31,833	1,438	1909	98,621	88,777	8,088	1,756
1876–1880	378,984	241,753	136,396	834	1910	111,505	104,724	3,744	3,037
1881–1885	390,384	243,745	142,657	3,981	1911	65,791	56,177	6,457	3,157
1886–1890	306,322	126,180	175,003	5,139	1912	27,417	17,499	7,341	2,577
1891–1895	328,759	260,169	63,861	4,729	1913	33,285	25,433	3,184	4,667
1896–1900	546,055	411,684	127,018	7,352	1914	61,750	53,458	6,084	2,208
1901–1905	589,215	475,645	102,769	10,801	1915	30,145	23,968	4,114	2,063
1906–1910	596,088	535,840	48,053	12,195	1916	33,743	18,525	8,881	6,338
1911–1915	218,388	170,635	27,180	14,672	1917	35,540	10	29,412	6,118
1916–1920	171,721	35,525	99,892	36,304	1918	31,446	----------	25,473	5,973
1921–1925	826,838	535,005	281,167	10,666	1919	20,778	----------	11,068	9,709
1887	60,379	23,972	35,191	1,216	1920	50,214	16,990	25,057	8,167
1888	65,319	31,381	33,026	912	1921	100,783	10,570	89,058	1,155
1889	58,104	21,414	35,497	1,283	1922	165,077	80,680	84,325	72
1890	61,056	20,467	39,203	1,385	1923	114,575	45,365	66,283	2,927
1891	58,053	29,222	27,519	1,312	1924	229,947	206,010	21,627	2,310
1892	48,390	34,787	12,641	961	1925	216,457	192,380	19,874	4,203
1893	66,934	56,997	8,802	1,135	1926	102,828	78,541	19,826	4,462
1894	89,185	79,546	9,200	438	1927	141,147	125,645	11,286	4,216
1895	66,197	59,616	5,698	882	1928	189,773	177,360	8,749	3,665
1896	70,976	47,053	23,090	833	1929	54,225	40,235	8,591	5,400
1897	96,042	76,028	18,487	1,526					
1898	102,145	77,986	23,034	1,125	Total	5,943,419	4,384,183	1,422,139	137,098

[1] Figures for periods are totals, not annual averages.

No. 245.—MONEY IN CIRCULATION, BY KINDS

NOTE.—For total circulation for earlier years see Table 247

[All figures in millions and tenths of millions of dollars]

Date	Total	Gold coin	Gold certificates	Silver dollars	Silver certificates	Treasury notes of 1890	Subsidiary silver	Minor coins	United States notes	Federal reserve notes	Federal reserve bank notes	National bank notes
June 30:												
1914	3,459.4	611.5	1,026.1	70.3	478.6	2.4	160.0	57.4	337.8	----------	----------	715.2
1915	3,319.6	587.5	821.9	64.5	463.1	2.2	159.0	58.5	309.8	70.8	----------	782.1
1916	3,649.3	624.9	1,050.3	66.2	476.3	2.1	171.2	63.0	328.2	149.2	1.7	716.2
1917	4,060.4	666.5	1,082.9	71.8	468.4	2.0	193.7	68.4	311.6	506.8	3.7	690.6
1818	4,481.7	537.2	511.2	77.2	370.3	1.9	216.5	75.0	291.9	1,698.2	11.0	691.4
1919	4,876.6	474.9	327.6	79.0	163.4	1.7	229.3	81.8	274.1	2,450.3	155.0	639.5
1920	5,467.6	474.8	259.0	76.7	97.6	1.7	248.9	91.0	278.1	3,064.7	185.4	689.6
1921	4,911.0	447.3	200.6	65.9	158.8	1.6	235.3	91.4	259.2	2,599.6	129.9	721.4
1922	4,463.2	415.9	173.3	58.0	205.3	1.5	229.3	89.2	292.3	2,138.7	71.9	727.7
1923	4,823.3	404.2	386.5	57.3	364.3	1.5	247.3	93.9	302.7	2,234.7	20.0	711.1
1924	4,849.3	393.3	801.4	54.0	364.4	1.4	253.0	97.0	297.8	1,843.1	10.1	733.8
1925	4,815.2	402.3	1,004.8	54.3	382.8	1.4	262.0	100.3	282.6	1,636.1	6.9	681.7
1926	4,885.3	391.7	1,057.4	51.6	377.7	1.4	270.1	104.2	294.9	1,679.4	5.5	651.5
1927	4,851.3	385.0	1,007.1	48.7	375.8	1.3	275.6	108.1	292.2	1,702.8	4.6	650.1
1928	4,796.6	377.0	1,019.1	46.2	384.6	1.3	278.2	111.1	298.4	1,626.4	4.0	650.2
1929	4,746.3	368.5	935.0	43.7	387.1	1.3	284.2	115.2	262.2	1,692.7	3.6	652.8
Dec. 31:												
1928	4,973.2	395.3	991.0	46.5	410.3	1.3	291.3	115.6	294.2	1,803.1	3.8	615.8
1929	4,864.8	383.8	879.6	42.2	416.9	1.3	294.0	119.4	264.9	1,862.4	3.4	597.1

Sources: Table 244, Director of the Mint, Treasury Department; Table 245, Annual Report of the Secretary of the Treasury.

No. 246.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS, JUNE 30

NOTE.—**Amounts in thousands of dollars.** Figures prior to 1890 have been revised from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the monthly circulation statements. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and gold coin and bullion held abroad for Federal reserve banks and to exclude earmarked gold. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars

June 30—(except as indicated)	Total	Gold coin and bullion [1]	Silver dollars	Subsidiary silver	United States notes	Fractional paper currency [2]	Other United States currency	State-bank notes	National-bank notes	Percentage of gold to total money
1860	442, 102	214, 000	----	21, 000	----	----	----	207, 102	----	48. 41
1865	1, 180, 197	189, 000	----	9, 500	431, 066	25, 006	236, 567	142, 920	146, 138	16. 01
1870	899, 876	189, 500	----	10, 000	356, 000	39, 879	2, 507	2, 223	299, 767	21. 06
1875	925, 702	121, 135	[3] 2, 743	28, 000	375, 772	42, 129	551	964	354, 408	13. 09
1877	916, 548	167, 501	[3] 4, 027	45, 838	359, 764	20, 403	456	909	317, 049	18. 28
1878	984, 225	213, 200	16, 269	65, 779	346, 681	16, 548	428	806	324, 514	21. 66
1879	1, 033, 641	245, 742	41, 276	70, 250	346, 681	----	----	----	329, 692	23. 77
1880	1, 185, 550	351, 841	69, 660	72, 862	346, 681	----	----	----	344, 505	29. 68
1881	1, 349, 592	478, 485	95, 297	74, 087	346, 681	----	----	----	355, 043	35. 45
1882	1, 409, 398	506, 758	122, 789	74, 429	346, 681	----	----	----	358, 742	35. 96
1883	1, 472, 494	542, 732	152, 048	74, 960	346, 681	----	----	----	356, 073	36. 86
1884	1, 487, 250	545, 501	180, 307	75, 202	346, 681	----	----	----	339, 500	36. 68
1885	1, 537, 434	588, 697	208, 539	74, 940	346, 681	----	----	----	318, 577	38. 29
1886	1, 561, 408	590, 774	237, 192	75, 061	346, 681	----	----	----	311, 699	37. 84
1887	1, 633, 413	654, 520	277, 446	75, 548	346, 681	----	----	----	279, 218	40. 07
1888	1, 691, 441	705, 819	310, 166	76, 406	346, 681	----	----	----	252, 308	41. 73
1889	1, 658, 672	680, 064	343, 947	76, 602	346, 681	----	----	----	211, 379	41. 00
1890	1, 685, 123	695, 563	380, 083	76, 825	346, 681	----	----	----	185, 971	41. 28
1891	1, 677, 794	646, 583	438, 754	77, 849	346, 681	----	----	----	167, 928	38. 54
1892	1, 752, 219	664, 275	491, 058	77, 521	346, 681	----	----	----	172, 684	37. 91
1893	1, 738, 808	597, 698	538, 301	77, 415	346, 681	----	----	----	178, 714	34. 37
1894	1, 805, 079	627, 293	548, 000	76, 250	346, 681	----	----	----	206, 855	34. 75
1895	1, 819, 360	636, 256	547, 777	76, 954	346, 681	----	----	----	211, 691	34. 97
1896	1, 709, 975	599, 598	551, 724	75, 972	346, 681	----	----	----	226, 001	33. 31
1897	1, 906, 770	696, 239	556, 590	75, 818	346, 681	Minor coins	----	----	231, 442	36. 51
1898	2, 073, 574	861, 515	561, 351	76, 128	346, 681	----	----	----	227, 900	41. 55
1899	2, 190, 094	903, 408	563, 697	74, 867	346, 681	----	----	----	241, 351	43. 99
1900	2, 336, 220	1, 034, 384	566, 131	82, 864	346, 681	26, 520	----	----	309, 640	43. 71
1901	2, 511, 472	1, 124, 639	568, 183	89, 823	346, 681	28, 404	----	----	353, 742	44. 78
1902	2, 593, 910	1, 192, 595	570, 135	97, 184	346, 681	30, 043	----	----	356, 672	45. 98
1903	2, 717, 646	1, 248, 682	573, 643	102, 035	346, 681	32, 035	----	----	413, 671	45. 95
1904	2, 838, 023	1, 327, 656	572, 870	107, 062	346, 681	34, 519	----	----	449, 235	46. 78
1905	2, 919, 494	1, 357, 056	568, 229	114, 824	346, 681	36, 384	----	----	495, 720	46. 50
1906	3, 109, 380	1, 475, 707	568, 252	118, 225	346, 681	39, 403	----	----	501, 112	47. 46
1907	3, 158, 111	1, 466, 389	568, 250	130, 452	346, 681	42, 550	----	----	603, 789	46. 43
1908	3, 423, 068	1, 618, 133	568, 260	147, 356	346, 681	44, 304	----	----	698, 334	47. 27
1909	3, 451, 521	1, 642, 042	568, 277	159, 409	346, 681	45, 193	----	----	689, 920	47. 57
1910	3, 466, 856	1, 636, 043	568, 278	155, 159	346, 681	47, 284	----	----	713, 431	47. 19
1911	3, 606, 989	1, 753, 197	568, 279	159, 607	346, 681	51, 028	Federal reserve notes	Federal reserve bank notes	728, 196	48. 61
1912	3, 701, 965	1, 818, 188	568, 278	170, 588	346, 681	53, 094			745, 135	49. 11
1913	3, 777, 021	1, 870, 762	568, 273	175, 196	346, 681	56, 951			759, 158	49. 53
1914	3, 797, 825	1, 890, 657	568, 272	182, 007	346, 681	59, 530			750, 672	49. 78
1915	4, 050, 783	1, 985, 539	568, 272	185, 430	346, 681	61, 327	84, 261	----	819, 274	49. 02
1916	4, 541, 730	2, 444, 668	568, 270	188, 858	346, 681	63, 909	176, 168	9, 000	744, 175	53. 83
1917	5, 678, 774	3, 220, 242	568, 270	198, 275	346, 681	69, 688	547, 408	12, 790	715, 420	56. 71
1918	6, 906, 237	3, 162, 808	499, 516	231, 857	346, 681	78, 146	1, 847, 580	15, 444	724, 205	45. 80
1919	7, 688, 413	3, 113, 306	308, 146	242, 870	346, 681	82, 909	2, 687, 557	187, 667	719, 277	40. 49
1920	8, 158, 496	2, 865, 482	268, 857	258, 855	346, 681	92, 479	3, 405, 877	201, 226	719, 038	35. 12
1921	8, 174, 528	3, 274, 730	288, 788	271, 314	346, 681	98, 522	3, 000, 430	150, 772	743, 290	40. 06
1922	8, 276, 070	3, 784, 652	381, 174	271, 211	346, 681	98, 593	2, 555, 062	80, 495	758, 202	45. 73
1923	8, 702, 788	4, 049, 554	491, 887	269, 186	346, 681	99, 056	2, 676, 902	22, 083	747, 440	46. 53
1924	8, 846, 542	4, 488, 391	503, 755	277, 614	346, 681	102, 445	2, 389, 048	10, 596	778, 012	50. 74
1925	8, 303, 632	4, 304, 632	522, 061	283, 472	346, 681	104, 004	1, 942, 240	7, 176	733, 366	52. 66
1926	8, 428, 971	4, 447, 397	533, 491	288, 923	346, 681	108, 891	1, 995, 206	5, 713	702, 669	52. 78
1927	8, 667, 282	4, 587, 298	537, 944	295, 590	346, 681	113, 295	2, 077, 473	4, 854	704, 148	52. 93
1928	8, 118, 091	4, 109, 103	539, 962	299, 010	346, 681	116, 689	2, 002, 811	4, 155	699, 621	50. 62
1929	8, 538, 796	4, 324, 351	539, 961	304, 187	346, 681	120, 640	2, 194, 970	3, 711	704, 294	50. 64
Dec 31:										
1928	8, 431, 099	4, 141, 421	539, 962	304, 399	346, 681	118, 619	2, 277, 354	3, 883	698, 782	49. 12
1929	8, 732, 677	4, 283, 923	539, 960	310, 592	346, 681	123, 491	2, 426, 585	3, 503	697, 941	49. 06

[1] Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents.
[2] There has been no fractional currency in actual circulation to any extent since 1878.
[3] Silver bullion in Treasury.

Source: Annual Report of the Secretary of the Treasury.

No. 247.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK, JUNE 30

NOTE.—**All figures except per capita in thousands of dollars.** In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal reserve banks and agents, and, hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal reserve banks, and also to include in the holdings of Federal reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as reserve against Federal reserve notes or otherwise. As to other revisions, see headnote, Table 246. Per capita figures are on basis of population estimates of the Treasury Department

June 30—(except as indicated)	Stock of money in the United States	Money held in the Treasury					Money outside of the Treasury		
		Total	In trust against gold and silver certificates [1]	Reserve against United States notes [1]	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	
								Amount	Per capita (dollars)
1800	28,000	1,500				1,500		26,500	4.99
1810	58,000	3,000				3,000		55,000	7.60
1820	69,100	2,000				2,000		67,100	6.96
1830	93,100	5,756				5,756		87,344	6.78
1840	189,960	3,664				3,664		186,305	10.91
1850	285,367	6,605				6,605		278,762	12.02
1860	442,102	6,695				6,695		[2] 435,407	13.85
1865	1,180,197	96,657				96,657		1,083,541	31.18
1870	899,876	156,994	32,085			124,910		774,966	20.10
1875	925,702	109,461	17,549			91,912		833,789	18.97
1880	1,185,560	225,922	13,753	100,000		112,168		973,382	19.41
1885	1,537,434	473,126	228,261	100,000		144,865		1,292,509	23.02
1887	1,633,413	549,217	233,343	100,000		215,874		1,317,530	22.45
1888	1,691,441	641,124	321,854	100,000		219,270		1,372,171	22.88
1889	1,658,672	652,597	374,286	100,000		178,311		1,380,362	22.52
1890	1,685,123	684,259	428,387	100,000		155,872		1,429,251	22.82
1891	1,677,794	648,001	467,648	100,000		80,353		1,497,441	23.45
1892	1,752,219	716,918	566,046	100,000		50,872		1,601,347	24.60
1893	1,738,808	702,429	560,322	96,520		45,587		1,596,701	24.07
1894	1,805,079	672,282	528,012	64,977		79,294		1,660,809	24.56
1895	1,819,360	701,339	483,947	100,000		117,391		1,601,968	23.24
1897	1,906,770	744,391	478,604	100,000		165,787		1,640,983	22.92
1898	2,073,574	759,959	524,245	100,000		135,715		1,837,860	25.19
1899	2,190,094	813,376	527,354	100,000		186,022		1,904,072	25.62
1900	2,366,220	969,492	684,503	150,000		134,990		2,081,231	27.28
1901	2,511,472	1,032,479	724,204	150,000		158,274		2,203,198	28.34
1902	2,593,910	1,097,555	782,759	150,000		164,796		2,279,114	28.81
1903	2,717,646	1,168,982	851,068	150,000		167,914		2,399,732	29.82
1904	2,838,023	1,224,813	939,696	150,000		135,117		2,552,906	31.18
1905	2,919,494	1,245,501	949,347	150,000		146,153		2,623,340	31.51
1906	3,109,380	1,330,109	995,419	150,000		184,690		2,774,690	32.77
1907	3,158,111	1,420,507	1,076,259	150,000		194,247		2,813,863	32.69
1908	3,423,068	1,597,132	1,253,219	150,000		193,913		3,079,155	35.19
1909	3,451,521	1,599,621	1,296,926	150,000		152,695		3,148,826	35.41
1910	3,460,856	1,603,186	1,286,014	150,000		168,172		3,148,684	34.84
1911	3,606,989	1,731,084	1,387,149	150,000		193,936		3,263,053	34.72
1912	3,701,965	1,782,320	1,415,576	150,000		216,744		3,335,220	34.87
1913	3,777,021	1,834,112	1,475,783	150,000		208,329		3,418,692	35.12
1914	3,797,825	1,845,570	1,507,179	150,000		188,391		3,459,434	34.93
1915	4,050,783	1,907,665	1,619,429	152,977		195,259	382,965	3,319,582	32.96
1916	4,541,730	2,356,536	2,057,409	152,979		146,147	563,345	3,649,258	35.63
1917	5,678,774	2,859,396	2,063,391	152,979	526,295	116,731	816,365	4,066,404	39.06
1918	6,906,287	2,976,251	1,407,694	152,979	1,205,082	210,496	855,984	4,481,607	42.33
1919	7,688,413	2,907,812	906,673	152,979	1,416,086	432,074	810,636	4,876,638	45.95
1920	8,158,496	2,379,664	704,638	152,979	1,184,276	337,771	1,015,881	5,497,589	51.38
1921	8,174,528	2,921,089	919,643	152,979	1,537,857	310,610	1,262,089	4,910,902	45.44
1922	8,276,070	3,515,583	1,000,578	152,979	2,108,887	253,139	1,297,893	4,463,172	40.67
1923	8,702,788	3,821,846	1,150,168	152,979	2,285,170	233,529	1,207,836	4,823,275	43.35
1924	8,846,542	4,248,438	1,628,139	152,979	2,260,891	206,429	1,376,935	4,849,307	43.03
1925	8,303,632	4,176,381	2,059,799	153,621	1,752,744	210,217	1,371,841	4,815,208	42.20
1926	8,428,971	4,210,358	2,139,770	154,189	1,717,348	199,050	1,473,118	4,885,266	42.29
1927	8,667,282	4,159,056	2,096,205	155,421	1,712,003	195,427	1,753,110	4,851,321	41.48
1928	8,118,091	3,725,650	1,986,761	156,039	1,387,650	195,199	1,582,576	4,796,026	40.52
1929	8,538,796	3,780,886	1,854,373	156,039	1,562,426	217,049	1,856,986	4,746,297	39.62
Dec. 31:									
1928	8,431,099	3,713,243	1,888,698	156,039	1,448,961	219,545	1,633,386	4,973,168	41.79
1929	8,732,077	3,876,191	1,812,786	156,039	1,774,113	133,252	1,804,448	4,864,824	40.37

[1] Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

[2] Includes total stock of silver dollars and subsidiary silver.

Source: Annual Report of the Secretary of the Treasury.

No. 248.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF ASSETS

[All figures in thousands of dollars]

Bank and date	Total assets	Reserves		Bills and securities				
					Bills discounted			
		Total	Gold	Total (including minor items not shown)	Total	Secured by U. S. Govt. obligations	Bills bought in open market	United States securities
All banks:								
Dec. 30, 1915	666,650	555,968	542,413	83,398	32,368		23,013	15,797
Dec. 30, 1920	6,269,517	2,249,163	2,059,333	3,263,027	2,719,134	1,141,036	255,702	288,191
Dec. 27, 1922	5,305,411	3,148,837	3,040,439	1,334,101	629,885	316,495	240,293	457,883
Dec. 26, 1923	5,169,377	3,137,516	3,071,097	1,297,775	857,151	441,842	336,415	104,158
Dec. 31, 1924	5,096,380	3,047,054	2,936,533	1,249,438	314,128	186,840	387,100	540,160
Dec. 30, 1925	5,183,158	2,822,133	2,704,281	1,500,827	749,672	466,014	362,818	377,032
Dec. 29, 1926	5,224,133	2,944,215	2,814,811	1,409,529	710,931	383,388	378,798	317,204
Dec. 28, 1927	5,333,839	2,862,196	2,739,100	1,598,842	609,209	410,174	385,527	603,126
June 27, 1928	4,963,462	2,738,284	2,583,310	1,467,733	1,031,874	701,618	223,432	211,937
Dec. 26, 1928	5,443,401	2,685,827	2,584,239	1,899,312	1,167,679	713,759	489,270	232,328
June 29, 1929	5,194,371	3,029,593	2,857,814	1,346,908	1,037,149	574,606	81,592	215,702
Dec. 31, 1929	5,458,445	3,010,928	2,857,051	1,547,517	632,421	353,528	392,209	510,587
Boston:								
Dec. 30, 1925	414,555	185,173	165,604	150,395	55,595	24,326	81,381	12,820
Dec. 28, 1927	401,256	195,887	183,388	124,817	40,963	21,361	48,738	35,116
Dec. 26, 1928	417,107	184,729	169,132	149,404	91,947	42,109	49,284	8,173
Dec. 31, 1929	460,831	283,964	267,212	83,372	26,644	13,355	29,878	25,850
New York:								
Dec. 30, 1925	1,566,330	968,818	942,738	395,186	294,975	254,469	37,090	60,934
Dec. 28, 1927	1,648,099	884,319	862,128	528,097	263,487	197,994	95,931	168,679
Dec. 26, 1928	1,630,306	805,507	787,031	602,020	387,841	253,819	159,387	54,792
Dec. 31, 1929	1,662,216	800,242	749,860	609,860	171,759	127,012	191,745	230,206
Philadelphia:								
Dec. 30, 1925	387,403	217,298	212,572	101,323	58,112	37,386	15,345	24,063
Dec. 28, 1927	380,910	172,514	166,715	143,872	55,820	43,325	42,279	45,664
Dec. 26, 1928	387,317	190,686	187,095	133,253	96,304	67,828	15,502	21,447
Dec. 31, 1929	398,019	216,192	203,721	117,123	65,777	34,511	8,540	41,806
Cleveland:								
Dec. 30, 1925	497,691	305,103	296,694	111,215	68,040	33,556	4,999	36,409
Dec. 28, 1927	519,414	284,902	274,236	151,877	70,672	58,145	19,794	61,511
Dec. 26, 1928	528,137	247,083	238,071	197,301	112,040	75,745	51,699	32,962
Dec. 31, 1929	475,005	262,877	254,259	131,197	76,719	45,563	23,499	29,479
Richmond:								
Dec. 30, 1925	245,797	100,077	99,789	61,606	49,517	16,893	2,716	8,944
Dec. 28, 1927	227,678	71,921	55,502	89,440	28,636	9,022	48,352	12,452
Dec. 26, 1928	236,512	96,884	91,079	69,074	40,517	18,971	25,130	3,427
Dec. 31, 1929	235,137	105,207	99,377	61,834	38,939	11,288	13,336	9,559
Atlanta:								
Dec. 30, 1925	295,950	126,771	119,923	123,360	29,126	4,754	76,045	17,857
Dec. 28, 1927	262,475	175,177	163,801	48,769	32,685	9,482	2,251	13,573
Dec. 26, 1928	248,365	119,376	110,835	95,812	59,882	16,952	30,645	5,285
Dec. 31, 1929	250,843	153,516	139,591	58,488	29,347	2,680	19,196	9,945
Chicago:								
Dec. 30, 1925	626,788	321,491	304,696	201,680	119,777	70,763	27,420	53,365
Dec. 28, 1927	750,096	438,551	422,996	213,826	61,759	37,909	64,109	87,958
Dec. 26, 1928	825,885	443,269	434,561	278,664	201,769	134,274	40,205	36,690
Dec. 31, 1929	779,667	453,700	441,048	220,675	112,668	75,121	37,561	68,846
St. Louis:								
Dec. 30, 1925	174,580	63,255	52,887	67,227	20,321	8,738	22,186	24,347
Dec. 28, 1927	200,052	90,111	77,431	62,707	19,585	12,476	4,959	38,163
Dec. 26, 1928	199,807	85,338	71,507	75,872	43,177	28,948	11,653	21,042
Dec. 31, 1929	228,276	125,463	116,882	57,035	17,938	12,555	9,801	29,296
Minneapolis:								
Dec. 30, 1925	149,524	86,853	84,706	41,708	3,545	769	18,703	19,078
Dec. 28, 1927	144,185	77,985	74,235	44,626	2,234	484	17,872	23,900
Dec. 26, 1928	145,172	77,033	75,123	47,925	13,201	10,689	21,932	10,907
Dec. 31, 1929	148,839	95,197	92,466	33,806	10,177	3,552	6,636	16,873
Kansas City:								
Dec. 30, 1925	221,812	98,619	94,341	70,626	15,939	4,042	16,816	37,447
Dec. 28, 1927	214,261	101,817	96,373	62,334	15,920	9,230	8,072	38,342
Dec. 26, 1928	220,314	110,449	105,503	61,755	48,533	23,254	1,209	10,513
Dec. 31, 1929	220,462	137,891	131,719	40,907	20,649	12,996	8,195	3,063
Dallas:								
Dec. 30, 1925	154,534	57,470	51,944	64,592	3,861	1,724	28,617	31,830
Dec. 28, 1927	160,458	68,829	59,907	56,959	2,581	1,991	22,685	31,693
Dec. 26, 1928	166,005	75,370	70,271	56,687	15,660	12,539	24,539	9,988
Dec. 31, 1929	153,089	71,149	66,803	47,378	13,291	3,267	9,209	24,878
San Francisco:								
Dec. 30, 1925	448,194	285,150	278,387	111,909	29,964	8,594	31,440	49,938
Dec. 28, 1927	424,955	300,183	292,328	71,518	14,958	8,755	10,485	46,075
Dec. 26, 1928	438,474	253,103	244,031	131,545	56,108	28,571	58,085	17,102
Dec. 31, 1929	440,061	305,510	294,113	85,942	39,513	11,628	34,613	11,816

Source: Federal Reserve Board.

No. 249.—FEDERAL RESERVE BANKS: Principal Items of Liabilities

[All figures except reserve percentage in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability		Federal reserve note circulation	Federal reserve bank notes, net liability	Reserve percentage
			Total [1]	Members' reserve			
All banks:							
Dec. 30, 1915	54,013	----------	394,245	(2)	189,026	----------	95.3
Dec. 30, 1920	99,770	164,745	1,604,190	1,748,979	3,344,686	216,960	45.4
Dec. 27, 1922	107,256	215,308	1,900,255	1,861,281	2,464,121	10,632	72.1
Dec. 26, 1923	110,103	218,369	1,937,869	1,874,486	2,340,375	470	73.3
Dec. 31, 1924	112,038	217,837	2,310,668	2,220,436	1,862,062	----------	78.0
Dec. 30, 1925	117,042	217,837	2,357,141	2,308,614	1,835,010	----------	67.3
Dec. 29, 1926	124,824	220,310	2,345,738	2,264,144	1,857,015	----------	70.1
Dec. 28, 1927	132,460	228,775	2,473,276	2,431,845	1,813,198	----------	66.8
June 27, 1928	140,318	233,319	2,381,800	2,344,709	1,804,635	----------	68.7
Dec. 26, 1928	146,868	233,319	2,455,093	2,409,195	1,910,838	----------	61.6
June 29, 1929	158,603	254,398	2,419,176	2,355,652	1,712,865	----------	73.3
Dec. 31, 1929	170,973	276,936	2,413,675	2,355,263	1,909,723	----------	69.6
Boston:							
Dec. 30, 1925	8,611	16,382	146,095	144,070	175,990	----------	57.5
Dec. 28, 1927	9,412	17,606	156,805	155,193	151,697	----------	63.5
Dec. 26, 1928	10,160	17,893	152,800	152,061	167,041	----------	57.8
Dec. 31, 1929	11,592	21,751	144,042	141,547	206,558	----------	81.0
New York:							
Dec. 30, 1925	32,207	58,749	948,442	932,274	384,682	----------	72.7
Dec. 28, 1927	40,310	61,614	995,652	983,668	377,204	----------	64.4
Dec. 26, 1928	50,098	63,007	979,274	957,831	364,133	----------	60.0
Dec. 31, 1929	67,301	80,001	1,004,370	985,791	318,971	----------	60.5
Philadelphia:							
Dec. 30, 1925	11,623	20,059	138,227	135,545	156,439	----------	73.7
Dec. 28, 1927	13,237	21,267	143,614	141,483	146,469	----------	59.5
Dec. 26, 1928	14,530	21,662	137,853	136,328	157,257	----------	64.6
Dec. 31, 1929	16,467	26,965	136,121	133,193	162,344	----------	72.4
Cleveland:							
Dec. 30, 1925	13,176	22,462	168,991	165,200	234,403	----------	75.6
Dec. 28, 1927	13,979	23,746	188,062	186,390	225,939	----------	68.8
Dec. 26, 1928	14,422	24,021	187,900	186,171	230,145	----------	59.1
Dec. 31, 1929	15,632	29,141	177,976	173,739	188,198	----------	71.8
Richmond:							
Dec. 30, 1925	5,985	11,701	70,469	68,385	93,482	----------	64.7
Dec. 28, 1927	6,253	12,198	74,347	73,190	80,263	----------	46.5
Dec. 26, 1928	6,114	12,324	69,788	69,097	89,520	----------	60.8
Dec. 31, 1929	6,072	12,496	67,309	64,742	98,670	----------	63.4
Atlanta:							
Dec. 30, 1925	4,657	8,950	83,772	82,476	169,982	----------	50.0
Dec. 28, 1927	5,145	9,632	72,903	69,620	147,230	----------	79.6
Dec. 26, 1928	5,231	9,996	68,310	67,852	139,247	----------	57.5
Dec. 31, 1929	5,384	10,857	65,763	62,895	143,084	----------	73.5
Chicago:							
Dec. 30, 1925	15,731	30,426	327,041	324,211	179,712	----------	63.4
Dec. 28, 1927	17,965	31,881	351,926	346,855	271,754	----------	70.3
Dec. 26, 1928	18,478	32,778	359,407	356,753	331,855	----------	64.1
Dec. 31, 1929	20,013	40,094	336,484	331,302	304,538	----------	70.8
St. Louis:							
Dec. 30, 1925	5,127	9,971	84,259	81,166	40,302	----------	50.8
Dec. 28, 1927	5,341	9,939	88,528	86,445	57,536	----------	61.7
Dec. 26, 1928	5,407	10,397	85,559	84,420	65,747	----------	56.4
Dec. 31, 1929	5,268	10,877	81,495	79,771	94,744	----------	71.2
Minneapolis:							
Dec. 30, 1925	3,183	7,497	55,891	54,213	70,067	----------	69.0
Dec. 28, 1927	3,010	7,527	57,228	55,712	61,526	----------	65.7
Dec. 26, 1928	3,009	7,039	55,410	53,901	66,374	----------	63.3
Dec. 31, 1929	3,091	7,143	59,398	56,861	66,856	----------	75.4
Kansas City:							
Dec. 30, 1925	4,237	8,977	94,639	92,028	74,155	----------	58.4
Dec. 28, 1927	4,234	9,029	93,782	91,912	68,045	----------	62.9
Dec. 26, 1928	4,217	9,046	94,238	93,446	72,332	----------	60.3
Dec. 31, 1929	4,286	9,162	88,289	86,408	80,434	----------	77.6
Dallas:							
Dec. 30, 1925	4,267	7,592	65,273	63,354	47,462	----------	51.0
Dec. 28, 1927	4,272	8,215	69,840	68,312	48,789	----------	58.0
Dec. 26, 1928	4,329	8,527	72,473	71,389	50,594	----------	61.2
Dec. 31, 1929	4,453	8,935	65,266	63,697	46,947	----------	63.4
San Francisco:							
Dec. 30, 1925	8,238	15,071	174,042	165,692	208,334	----------	74.6
Dec. 28, 1927	9,302	16,121	180,589	173,065	176,746	----------	84.0
Dec. 26, 1928	10,867	16,620	192,081	179,946	176,593	----------	68.7
Dec. 31, 1929	11,414	19,514	187,162	175,317	189,379	----------	81.1

[1] Figures represent net deposits prior to June, 1921.
[2] Not reported separately in 1915.

Source: Federal Reserve Board.

No. 250.—FEDERAL RESERVE BANKS: HOLDINGS OF ACCEPTANCES BOUGHT IN OPEN MARKET AND FROM OTHER FEDERAL RESERVE BANKS, AS OF DECEMBER 31

NOTE.—All figures in thousands of dollars. "All other bankers' acceptances" includes bills payable in foreign currencies in 1924 to 1929

Bank and year	Total	Bankers' acceptances, based on—							Trade acceptances, total
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	All other	
All F. R. banks:									
1920	260,406	258,878							1,528
1921	145,263	145,045		99,919		33,962	11,164		218
1922	272,122	270,944		194,771		65,280	9,743	1,150	1,178
1923	354,637	351,974		240,868		90,445	20,452	209	2,663
1924	387,100	386,873		284,620		94,556	6,882	815	227
1925	374,356	373,139		301,191		63,846	6,112	1,990	1,217
1926	380,986	379,728	131,907	120,335	37,714	77,698	8,434	3,640	1,258
1927	392,039	391,337	84,624	118,210	81,242	95,765	6,195	5,271	702
1928	489,069	488,532	108,431	131,386	143,123	90,664	8,707	6,221	537
1929	392,209	392,209	55,506	77,068	146,881	94,222	15,562	2,970	
Boston	29,878	29,878	7,477	4,751	7,483	9,061	945	161	
New York	191,745	191,745	22,411	35,491	89,568	35,496	8,381	398	
Philadelphia	8,540	8,540	606	1,072	2,267	4,134	350	111	
Cleveland	23,499	23,499	5,571	3,571	8,652	4,013	785	907	
Richmond	13,336	13,336	1,524	2,015	4,829	3,717	1,103	148	
Atlanta	19,196	19,196	2,242	6,495	2,752	6,593	521	593	
Chicago	37,561	37,561	4,691	6,918	11,464	12,951	1,396	141	
St. Louis	9,801	9,801	1,558	2,394	3,916	1,757	135	41	
Minneapolis	6,636	6,636	1,235	1,653	1,282	1,744	690	32	
Kansas City	8,195	8,195	2,180	1,544	3,008	1,304	125	34	
Dallas	9,209	9,209	1,842	2,971	2,683	1,215	410	88	
San Francisco	34,613	34,613	4,169	8,193	8,977	12,237	721	316	

No. 251.—FEDERAL RESERVE BANKS: HOLDINGS OF UNITED STATES SECURITIES, AS OF DECEMBER 31

NOTE.—All figures in millions and tenths of millions of dollars. Certificates include Pittman Act certificates as follows: 1920, $259,400,000; 1921, $113,000,000

Bank and year	Total	Bonds	Notes	Certificates
All F. R. banks:				
1920	287.0	26.3	0.1	260.6
1921	234.1	33.0	17.6	183.5
1922	436.2	28.9	180.4	226.9
1923	133.6	29.5	87.0	17.1
1924	540.2	75.3	349.4	115.5
1925	374.6	60.8	187.1	126.7
1926	314.8	48.0	87.4	179.5
1927	616.5	291.0	68.9	256.7
1928	228.1	53.9	106.0	68.2
1929	510.6	76.8	215.6	[1]218.2
Boston:				
1927	33.4	15.2	2.5	15.7
1928	8.2	.7	3.1	4.4
1929	25.9	3.6	6.1	16.2
New York:				
1927	181.5	66.3	21.8	93.4
1928	49.4	1.4	20.1	27.9
1929	239.2	17.0	131.4	90.8
Philadelphia:				
1927	45.7	17.4	6.4	21.8
1928	21.4	.6	10.3	10.6
1929	41.8	3.7	13.8	24.3
Cleveland:				
1927	61.5	35.0	9.0	17.5
1928	33.0	.5	28.5	3.9
1929	29.5	4.1	12.2	13.2
Richmond:				
1927	12.5	6.2	.7	5.5
1928	3.4	1.2	1.1	1.2
1929	9.6	3.4	1.4	4.7
Atlanta:				
1927	13.6	6.0	0.9	6.7
1928	7.3	1.6	4.3	1.4
1929	9.9	1.2	3.4	5.4
Chicago:				
1927	90.0	48.9	8.1	33.0
1928	35.9	19.9	6.2	9.7
1929	68.8	25.4	12.2	31.2
St. Louis:				
1927	38.2	18.9	7.4	11.9
1928	21.0	7.1	11.6	2.4
1929	29.3	3.0	12.8	13.5
Minneapolis:				
1927	23.9	11.7	4.4	7.8
1928	10.9	4.5	4.6	1.8
1929	16.9	6.0	5.7	5.2
Kansas City:				
1927	38.3	21.2	2.7	14.4
1928	10.5	8.5	.9	1.1
1929	3.1	-------	.3	2.8
Dallas:				
1927	32.0	18.1	2.7	11.2
1928	10.0	7.8	2.2	-------
1929	24.9	9.5	5.8	9.7
San Francisco:				
1927	46.1	26.0	2.3	17.8
1928	17.1	.1	13.1	3.9
1929	11.8	-------	10.6	1.2

[1] Includes $56,250,000 Treasury bills.

Source of Tables 250 and 251. Federal Reserve Board.

No. 252.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY CLASSES AND MATURITIES

NOTE.—All figures in thousands of dollars. Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially

Bank and date	Total (all classes)	Rediscounted bills				Member bank collateral notes	
		Commercial and agricultural paper, not elsewhere specified	Bankers' acceptances	Trade acceptances	Paper secured by U. S. Government obligations	Secured by U. S. Government obligations	Otherwise secured
All Federal reserve banks:							
Dec. 28, 1917	680,706	309,534	(1)	(1)	132,774	150,647	87,751
Dec. 27, 1918	1,702,938	264,967	(1)	15,985	363,023	1,037,343	21,615
Dec. 26, 1919	2,194,878	627,083	15,479	33,097	352,598	1,157,766	8,255
Dec. 30, 1920	2,719,134	1,521,546	17,218	21,427	271,526	869,510	17,907
Dec. 31, 1921	1,144,346	631,038	338	9,985	41,511	443,722	17,752
Dec. 30, 1922	617,780	270,781	330	4,844	3,618	328,172	10,035
Dec. 31, 1923	723,068	355,816	233	7,042	3,919	349,766	6,292
Dec. 31, 1924	314,128	102,086	----------	3,353	1,276	185,564	21,849
Dec. 31, 1925	635,193	177,311	----------	3,357	1,872	380,279	72,374
Dec. 31, 1926	636,628	170,961	----------	2,812	1,111	304,169	97,575
Dec. 31, 1927	581,503	87,985	----------	1,400	163	417,566	74,389
Dec. 31, 1928	1,056,466	214,980	46	1,645	974	658,242	180,573
Dec. 31, 1929	632,421	171,078	31	2,177	765	352,773	105,607
Boston	26,644	13,022	----------	267	1	13,354	----------
New York	171,759	15,240	19	270	----------	127,012	29,218
Philadelphia	65,777	20,761	----------	444	----------	34,511	10,061
Cleveland	76,719	21,517	----------	530	251	45,312	9,109
Richmond	38,939	15,036	----------	115	74	11,214	12,500
Atlanta	29,347	21,096	----------	261	107	2,573	5,310
Chicago	112,668	30,894	----------	226	20	75,101	6,427
St. Louis	17,938	2,849	----------	59	109	12,446	2,475
Minneapolis	10,177	6,537	----------	----------	13	3,539	88
Kansas City	29,649	14,765	----------	----------	177	12,819	1,888
Dallas	13,201	4,423	----------	----------	3	3,204	5,601
San Francisco	30,513	4,938	12	5	----------	11,628	22,930

Bank and date	Total	Maturity of discounted bills					
		Within 15 days	16 to 30 days	31 to 60 days	61 to 90 days	After 90 days	Average for year [2]
All Federal reserve banks:							
Dec. 28, 1917	680,706	353,373	57,367	175,006	83,974	8,986	----------
Dec. 27, 1918	1,702,938	1,149,955	266,107	166,876	93,061	26,939	11.81
Dec. 26, 1919	2,194,878	1,484,790	244,890	292,715	152,125	20,358	10.13
Dec. 30, 1920	2,719,134	1,632,885	280,406	430,676	311,619	63,548	13.29
Dec. 28, 1921	1,179,833	708,361	116,890	161,202	131,936	61,644	13.63
Dec. 27, 1922	629,885	436,465	48,609	63,372	50,059	31,380	12.14
Dec. 26, 1923	857,161	612,060	64,310	84,069	66,514	29,598	9.89
Dec. 31, 1924	314,128	241,603	18,335	26,413	17,343	10,434	12.39
Dec. 30, 1925	749,672	616,325	35,816	53,152	33,428	10,951	7.99
Dec. 29, 1926	710,931	575,544	38,865	49,876	37,232	9,414	8.04
Dec. 28, 1927	609,209	537,482	18,330	26,892	18,617	7,888	7.58
Dec. 26, 1928	1,167,579	1,012,581	38,749	59,509	38,616	18,124	6.78
Dec. 31, 1929	632,421	508,072	36,331	48,742	25,932	13,344	----------
Boston	26,644	20,899	1,912	2,738	1,042	53	----------
New York	171,759	160,937	3,403	4,911	2,413	95	----------
Philadelphia	65,777	51,184	5,795	5,934	2,819	45	----------
Cleveland	76,719	60,794	6,481	5,599	3,272	573	----------
Richmond	38,939	27,730	3,873	4,812	2,284	240	----------
Atlanta	29,347	13,779	4,498	7,288	3,641	141	----------
Chicago	112,668	90,350	6,442	8,435	5,626	1,815	----------
St. Louis	17,938	15,521	486	1,061	484	386	----------
Minneapolis	10,177	5,490	352	3,229	382	724	----------
Kansas City	29,649	16,175	1,541	2,685	2,520	6,728	----------
Dallas	13,291	10,067	1,002	1,076	411	735	----------
San Francisco	30,513	35,146	546	974	1,038	1,809	----------

[1] Included with "commercial and agricultural paper, not elsewhere specified."
[2] Represents average maturity (in days) of all time bills discounted during year; not computed for 1917 and 1929.

Source: Federal Reserve Board.

No. 253.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS, BY STATES

NOTE.—Yearly average based on end of month figures

[All figures in thousands of dollars]

Division and State	1927 [1]	1928 [1]	1929 [1]	Division and State	1927 [1]	1928 [1]	1929 [1]
United States	**469, 853**	**895, 900**	**971, 283**	**South Atlantic—Contd.**			
				Virginia	7, 614	16, 212	18, 815
New England	**52, 158**	**59, 836**	**73, 660**	West Virginia	2, 827	4, 428	5, 985
Maine	1, 536	1, 586	2, 416	North Carolina	5, 546	11, 410	13, 825
New Hampshire	1, 323	1, 743	2, 516	South Carolina	2, 814	3, 494	4, 023
Vermont	1, 074	1, 044	1, 407	Georgia	5, 353	14, 518	11, 582
Massachusetts	30, 033	45, 841	53, 606	Florida	3, 438	3, 588	5, 042
Rhode Island	1, 136	4, 831	7, 116				
Connecticut	3, 459	4, 791	6, 599	**East South Central**	**17, 674**	**35, 524**	**52, 417**
				Kentucky	5, 993	13, 300	19, 673
Middle Atlantic	**192, 323**	**405, 317**	**372, 350**	Tennessee	4, 096	6, 013	12, 205
New York	106, 911	258, 354	217, 621	Alabama	5, 408	12, 055	16, 703
New Jersey	24, 334	39, 438	36, 963	Mississippi	2, 267	4, 156	3, 946
Pennsylvania	61, 078	107, 525	117, 766				
				West South Central	**23, 463**	**38, 852**	**54, 852**
East North Central	**74, 726**	**167, 440**	**190, 778**	Arkansas	1, 948	3, 647	4, 476
Ohio	18, 634	39, 577	52, 368	Louisiana	13, 890	18, 220	18, 149
Indiana	4, 285	6, 640	12, 820	Oklahoma	1, 977	2, 878	8, 190
Illinois	23, 261	65, 451	63, 180	Texas	5, 649	14, 107	24, 037
Michigan	21, 546	40, 360	46, 245				
Wisconsin	7, 000	15, 412	16, 165	**Mountain**	**4, 599**	**5, 051**	**7, 937**
				Montana	321	174	766
West North Central	**31, 055**	**56, 336**	**75, 733**	Idaho	803	319	325
Minnesota	2, 256	8, 849	18, 764	Wyoming	141	95	489
Iowa	5, 034	4, 567	6, 589	Colorado	1, 792	2, 959	3, 547
Missouri	15, 567	30, 847	31, 300	New Mexico	122	141	395
North Dakota	915	679	847	Arizona	293	174	64
South Dakota	974	485	688	Utah	1, 127	1, 189	2, 351
Nebraska	4, 301	6, 397	10, 926	Nevada			
Kansas	2, 008	4, 512	5, 619				
				Pacific	**40, 222**	**62, 321**	**70, 488**
South Atlantic	**33, 631**	**65, 223**	**73, 068**	Washington	1, 859	3, 031	5, 426
Delaware	672	1, 404	1, 040	Oregon	1, 928	2, 027	3, 684
Maryland	4, 619	8, 325	8, 474	California	36, 435	56, 263	61, 378
Dist. of Col	748	1, 844	4, 282				

[1] Figures given include borrowings by Federal intermediate credit banks as follows:

	1927	1928	1929		1927	1928	1929
Minnesota		496	48	Louisiana		125	542
Missouri	20	17		Texas			109
Nebraska		603	816	Washington	9	361	1, 043
Kansas		2, 095	2, 086	California	608	159	1, 524
South Carolina		104	262				

Source: Federal Reserve Board.

No. 254.—FEDERAL RESERVE BANKS: AVERAGE RATE OF DISCOUNT CHARGED 1916 TO 1921, AND RATES IN EFFECT JANUARY 1, 1922, TO DECEMBER 31, 1929

NOTE.—In 1914 to 1921 different rates were generally in effect for different classes of bills. The rates for each class are shown in Table 249, *Statistical Abstract, 1928*, while in the table below the average rates charged for the years 1916 to 1921 are given. Beginning 1922, the same rate applied to all classes of paper with the few exceptions noted.

AVERAGE RATE OF DISCOUNT CHARGED, 1916 TO 1921

Federal reserve bank	1916 [1]	1917 [1]	1918	1919	1920	1921
All banks	*Per cent* 4.20	*Per cent* 3.61	*Per cent* 4.26	*Per cent* 4.26	*Per cent* 6.02	*Per cent* 6.01
Boston	3.52	3.66	4.17	4.25	6.03	5.88
New York	3.69	3.12	4.06	4.14	5.97	6.06
Philadelphia	3.75	3.73	4.09	4.13	5.44	5.44
Cleveland	4.25	3.94	4.21	4.24	5.66	5.72
Richmond	4.00	3.91	4.38	4.32	5.78	5.91
Atlanta	3.77	3.99	4.06	4.25	5.97	6.05
Chicago	4.00	3.85	4.24	4.35	6.32	6.29
St. Louis	4.04	3.85	4.27	4.26	5.98	5.90
Minneapolis	4.80	4.22	4.72	4.54	6.40	6.35
Kansas City	4.77	4.14	4.80	4.74	6.65	6.14
Dallas	4.49	4.48	4.55	4.46	5.78	6.01
San Francisco	5.01	4.53	4.54	4.50	5.82	5.79

[1] Average rate of earnings on discounted bills.

No. 254.—Federal Reserve Banks: Average Rate of Discount Charged, 1916 to 1921, and Rates in Effect January 1, 1922, to December 31, 1929—Continued

RATES IN EFFECT JANUARY 1, 1922, AND CHANGES TO END OF 1929

Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate
Boston:		Philadelphia—Continued.		Atlanta—Con.		Kansas City—Continued.	
Jan. 1, 1922	4½	June 20, 1924	3½	May 26, 1928	4½	Aug. 12, 1922	4½
June 23, 1922	4	Nov. 20, 1925	4	July 14, 1926	5	July 1, 1924	4
Feb. 23, 1923	[2] 4½	Sept. 8, 1927	3½	Dec. 10, 1929	4½	July 29, 1927	3½
June 12, 1924	3½	Feb. 16, 1928	4	Chicago:		Feb. 10, 1928	4
Nov. 10, 1925	4	May 17, 1928	4½	Jan. 1, 1922	5	June 7, 1928	4½
Aug. 5, 1927	3½	July 26, 1928	5	Mar. 25, 1922	4½	May 6, 1929	5
Feb. 8, 1928	4	Cleveland:		June 14, 1924	4	Dec. 20, 1929	4½
Apr. 20, 1928	4½	Jan. 1, 1922	5	Sept. 7, 1927	3½	Dallas:	
July 19, 1928	5	Feb. 14, 1922	4½	Jan. 25, 1928	4	Jan. 1, 1922	5½
Nov. 21, 1929	4½	June 2, 1924	4	Apr. 20, 1928	4½	Jan. 9, 1922	5
New York:		Aug. 15, 1924	3½	July 11, 1928	5	July 12, 1922	4½
Jan. 1, 1922	4½	Nov. 17, 1925	4	Nov. 23, 1929	4½	July 16, 1924	4
June 22, 1922	4	Aug. 6, 1927	3½	St. Louis:		Aug. 12, 1927	3½
Feb. 23, 1923	4½	Mar. 1, 1928	4	Jan. 1, 1922	5	Feb. 8, 1928	4
May 1, 1924	4	May 25, 1928	4½	Apr. 6, 1922	4½	May 7, 1928	4½
June 12, 1924	3½	Aug. 1, 1928	5	June 19, 1924	4	Mar. 2, 1929	5
Aug. 8, 1924	3	Richmond:		Aug. 4, 1927	3½	San Francisco:	
Feb. 27, 1925	3½	Jan. 1, 1922	5	Feb. 21, 1928	4	Jan. 1, 1922	5
Jan. 8, 1926	4	Apr. 14, 1922	4½	Apr. 23, 1928	4½	Jan. 23, 1922	4½
Apr. 23, 1926	3½	June 14, 1924	4	July 19, 1928	5	July 8, 1922	4
Aug. 13, 1926	4	Aug. 10, 1927	3½	Minneapolis:		Mar. 6, 1923	4½
Aug. 6, 1927	3½	Jan. 27, 1928	4	Jan. 1, 1922	5½	June 10, 1924	4
Feb. 3, 1928	4	Apr. 24, 1928	4½	Jan. 11, 1922	5	Aug. 25, 1924	3½
May 18, 1928	4½	July 13, 1928	5	Aug. 15, 1922	4½	Nov. 23, 1925	4
July 13, 1928	5	Atlanta:		Oct. 15, 1924	4	Sept. 10, 1927	3½
Aug. 9, 1929	6	Jan. 1, 1922	5	Sept. 13, 1927	3½	Feb. 4, 1928	4
Nov. 1, 1929	5	Mar. 15, 1922	4½	Feb. 7, 1928	4	June 2, 1928	4½
Nov. 15, 1929	4½	June 18, 1924	4	Apr. 25, 1928	4½	May 20, 1929	5
Philadelphia:		Aug. 13, 1927	3½	May 14, 1929	5	Dec. 6, 1929	4½
Jan. 1, 1922	4½	Feb. 11, 1928	4	Kansas City:			
June 19, 1924	[3] 3½			Jan. 1, 1922	5		

[2] Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 7, 1923, to June 11, 1924.
[3] Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 19, 1923, to June 25, 1924. 4½ per cent on 91 days to 6 months agricultural and livestock paper from June 19 to June 25, 1924.

No. 255.—FEDERAL RESERVE GOLD SETTLEMENT FUND: Summary of Transactions Through the Fund, 1915 to 1929

[All figures in millions and tenths of millions of dollars]

Year	Balance at beginning of period	Daily settlements between Federal reserve banks		Inter-reserve bank transfers	Withdrawals	Deposits	Balance at end of period
		Transit clearings	Federal reserve note clearings				
1915	[1]	1,052.6	[2]	[2]	78.0	155.8	77.8
1916	77.8	5,534.0	[2]	[2]	231.1	323.1	169.7
1917	169.7	24,319.1	[2]	2,643.8	1,235.7	1,377.6	311.0
1918	311.6	45,439.5	[2]	4,812.1	1,614.7	1,705.0	401.9
1919	401.9	66,053.4	[2]	7,930.9	1,871.9	1,799.7	329.7
1920	329.7	85,074.2	[2]	7,551.6	1,658.0	1,685.5	357.3
1921	357.3	64,934.8	[2]	3,289.1	2,303.2	2,468.0	522.1
1922	522.1	75,336.0	[2]	1,154.0	1,793.0	1,825.3	554.4
1923	554.4	89,614.7	[2]	1,039.2	1,704.3	1,781.1	571.1
1924	571.1	97,698.3	[2]	919.6	1,921.8	2,030.2	679.5
1925	679.5	108,289.5	[2]	909.0	1,779.0	1,788.6	689.2
1926	689.2	115,455.3	635.8	1,043.4	3,029.2	3,005.3	665.3
1927	665.3	123,031.5	673.2	1,436.7	3,797.3	3,660.3	528.2
1928	528.2	132,525.2	658.4	1,172.6	2,855.6	3,014.4	687.0
1929	687.0	145,132.4	758.7	1,052.1	3,160.3	2,984.6	511.2

[1] Established May 20, 1915.
[2] Included in transit clearings.

Source of Tables 254 and 255: Federal Reserve Board.

No. 256.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1929

[All figures in millions and tenths of millions of dollars]

Federal reserve bank	Balance Jan. 1	Daily settlements between Federal reserve banks				Interreserve bank transfers		Withdrawals	Deposits	Balance in fund at close of business Dec. 31
		Transit clearings		Federal reserve note clearings		Payments	Receipts			
		Payments	Receipts	Payments	Receipts					
Total	687.0	145,132.4	145,132.4	758.7	758.7	1,052.1	1,052.1	3,160.3	2,984.6	511.2
Boston	27.6	12,949.0	13,044.2	68.1	54.1	76.6	26.9	230.0	175.2	4.4
New York	142.4	47,752.9	47,600.1	122.6	201.6	256.2	614.6	1,120.7	848.5	154.8
Philadelphia	34.6	12,470.1	12,555.3	86.6	64.5	126.5	8.5	203.2	247.7	25.2
Cleveland	72.5	10,884.1	11,001.9	108.9	58.3	95.5	46.0	184.0	164.7	71.0
Richmond	14.0	10,234.9	10,313.4	40.0	52.1	94.0	17.5	112.3	92.2	8.1
Atlanta	12.9	4,347.9	4,408.6	41.6	51.9	74.5	15.9	334.3	314.6	5.6
Chicago	180.1	20,239.1	20,285.6	133.7	101.5	200.5	43.6	235.0	284.0	86.5
St. Louis	32.3	7,438.6	7,320.2	36.2	50.4	3.8	85.8	133.0	143.9	21.0
Minneapolis	20.6	2,378.6	2,341.4	25.0	27.3	7.5	24.5	81.5	87.7	18.1
Kansas City	52.0	5,996.3	5,858.6	34.4	38.3	14.5	79.4	63.0	131.9	52.0
Dallas	33.5	4,615.9	4,620.6	21.0	24.7	37.0	38.8	58.0	33.1	15.8
San Francisco	65.6	5,822.2	5,782.5	40.8	34.0	66.5	50.6	405.4	461.0	48.8

Source: Federal Reserve Board.

No. 257.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

Federal reserve agent at—	Balance Jan. 1	Withdrawals	Deposits	Transfers to bank	Transfers from bank	Balance Dec. 31
All F. R. banks:						
1918	496.6	103.6	35.0	1,011.8	1,512.3	928.5
1919	928.5	1,011.4	165.0	675.4	1,479.6	886.3
1920	886.3	1,060.7	451.4	498.6	1,118.3	896.7
1921	896.7	1,508.5	1,023.9	587.4	1,651.2	1,394.9
1922	1,394.9	924.0	492.9	609.5	1,326.8	1,681.1
1923	1,681.1	755.0	148.5	565.7	1,140.0	1,648.9
1924	1,648.9	626.0	149.5	1,022.8	1,158.3	1,307.9
1925	1,307.9	559.8	126.0	975.6	1,061.7	960.2
1926	960.2	568.2	112.3	1,799.4	2,258.5	963.4
1927	963.4	454.2	63.3	2,458.4	2,914.3	1,028.3
1928	1,028.3	473.6	70.5	1,631.4	1,768.1	761.9
1929	761.9	358.5	149.9	1,500.6	2,210.2	1,262.9
Boston	53.0	90.0	46.6	40.0	220.0	189.6
New York	5.0		13.6	430.0	420.0	8.6
Philadelphia	101.8	75.0	11.6	131.5	189.6	96.4
Cleveland	55.0		10.7	75.7	130.0	120.0
Richmond	44.0	50.0	3.5	37.5	95.0	60.0
Atlanta	60.5	49.5	3.4	210.6	315.6	119.4
Chicago	211.0	2.0	2.6	120.0	178.0	269.6
St. Louis	20.0	24.0	1.0	39.0	119.0	77.0
Minneapolis	31.0	3.0	1.4	49.4	72.0	52.0
Kansas City	53.4	43.0	32.9	26.2	58.0	70.0
Dallas	7.0	10.0	4.0	10.5	33.0	23.5
San Francisco	120.3	7.0	13.7	330.2	380.0	176.8

Source: Federal Reserve Board.

No. 258.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[Number of pieces handled in thousands; amounts handled in millions and tenths of millions of dollars]

Bank and year	Bills discounted	Bills purchased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U. S. securities—issues, redemptions, and exchanges by fiscal agent department	Transfers of funds
						U. S. Government coupons paid	All other		
	Pieces handled								
All F. R. banks:									
1923	782	179	1,722,877	2,076,075	697,502	64,662	5,732	114,409	1,413
1924	583	143	1,838,279	2,186,737	742,878	50,471	6,113	16,097	1,503
1925	475	201	1,947,419	2,329,014	778,686	44,174	5,467	7,116	1,566
1926	506	232	2,099,605	2,590,057	822,907	39,678	5,595	4,691	1,710
1927	371	254	2,194,608	2,601,184	862,275	37,045	5,909	7,201	1,830
1928	443	251	2,270,555	2,929,091	887,997	28,765	6,461	6,682	2,011
1929	526	196	2,427,330	3,239,709	924,449	20,935	6,504	1,833	2,139
Boston	73	27	254,503	323,286	93,123	1,473	409	101	63
New York	50	94	709,941	1,574,003	190,374	5,567	2,601	514	445
Philadelphia	60	4	215,030	331,780	71,051	1,680	607	112	123
Cleveland	31	7	161,346	175,980	86,206	3,022	380	157	127
Richmond	57	3	124,999	139,352	55,730	623	285	51	149
Atlanta	75	7	133,935	62,927	32,305	452	164	53	98
Chicago	55	14	410,223	231,019	129,661	3,548	743	377	355
St. Louis	35	2	121,002	149,168	51,131	1,218	265	120	265
Minneapolis	11	3	42,565	13,027	24,275	585	269	58	71
Kansas City	30	4	66,692	67,038	72,155	1,152	327	139	149
Dallas	28	12	61,413	48,039	41,638	364	133	57	136
San Francisco	21	19	125,681	124,060	76,800	1,251	321	94	158
	Amounts handled								
All F. R. banks:									
1923	38,379.9	2,547.0	10,306.4	308.1	207,719.5	761.7	5,900.5	8,433.9	78,867.1
1924	15,419.2	2,172.1	10,777.3	293.9	219,832.2	719.8	5,509.1	6,708.3	98,359.9
1925	32,562.6	2,961.2	11,557.0	467.7	258,611.3	680.9	6,117.0	5,579.0	109,430.7
1926	37,682.1	3,353.3	12,585.0	609.4	272,945.2	644.3	6,219.4	4,971.4	120,909.4
1927	31,934.6	4,050.9	12,930.6	791.0	278,399.6	553.7	6,710.3	10,803.0	136,383.9
1928	62,413.0	4,240.7	13,315.6	888.6	301,703.8	543.4	7,414.4	9,002.4	148,749.0
1929	60,747.1	3,587.5	14,782.4	1,062.5	367,215.1	535.6	7,185.4	7,018.8	170,789.7
Boston	3,952.1	421.6	1,630.4	34.1	21,747.1	39.3	764.3	283.2	9,208.5
New York	23,602.0	1,999.1	5,285.7	821.5	156,641.8	237.6	2,690.0	3,155.4	67,426.3
Philadelphia	5,098.7	88.6	1,189.3	53.1	39,214.5	32.4	551.1	406.3	8,355.2
Cleveland	5,827.3	126.8	992.7	17.3	31,565.3	60.6	511.7	370.6	7,683.9
Richmond	4,692.0	63.8	604.3	15.8	14,118.8	11.6	264.9	141.7	6,020.9
Atlanta	1,349.1	104.8	583.1	8.9	12,182.5	6.4	169.2	137.7	2,477.6
Chicago	5,187.5	262.3	2,266.7	39.8	35,220.0	64.1	997.0	1,192.5	31,089.0
St. Louis	3,370.0	25.9	517.5	15.7	15,603.5	19.3	218.1	266.9	6,406.1
Minneapolis	1,035.3	34.5	228.8	4.7	4,711.6	10.5	143.3	128.9	3,088.1
Kansas City	1,673.3	53.6	315.8	13.0	12,091.9	19.9	298.3	246.9	6,974.7
Dallas	870.4	105.7	268.7	7.9	8,718.2	7.6	249.9	234.9	5,497.5
San Francisco	4,089.4	300.8	809.4	30.7	15,399.9	26.3	327.6	453.8	16,561.9

Source: Federal Reserve Board.

No. 259.—FEDERAL RESERVE BANKS: Operations of Branches

[All figures in thousands of dollars]

Federal reserve branch and year	Bills discounted and bought	Currency and coin received and counted	Checks handled	Noncash collection items handled		Transfers of funds	Fiscal agency—issues, redemptions, and exchanges of U. S. securities
				Government coupons	All other		
All branches:							
1922	2,941,917	[1] 1,815,877	32,160,339	[2]	[2]	[2]	
1923	4,315,501	2,469,946	53,197,160	107,134	1,069,929	13,281,545	415,246
1924	2,104,790	2,495,451	54,763,840	99,927	975,142	15,953,121	221,225
1925	3,594,053	2,649,136	60,989,227	94,754	1,023,263	18,510,551	195,249
1926	4,499,314	2,879,738	64,716,081	89,637	1,138,245	20,210,569	183,946
1927	4,071,580	2,809,240	64,724,395	79,933	1,150,370	22,240,987	384,349
1928	7,524,192	2,966,956	68,273,066	78,504	1,227,049	25,780,961	324,200
1929	8,601,344	3,294,055	72,034,805	79,570	1,227,485	28,975,751	271,416
No. 2. Buffalo	1,027,538	280,151	3,677,999	862	87,900	1,985,954	3,770
No. 4. Cincinnati		149,214	7,021,370	14,104	43,795	637,714	35,622
Pittsburgh		419,504	12,984,870	16,862	50,546	1,068,621	67,782
No. 5. Baltimore	1,237,216	311,071	4,468,088	6,879	111,453	1,403,566	32,859
Charlotte		58,031	1,612,256	221	33,275	1,250,077	
No. 6. Birmingham		63,279	1,874,077	224	21,442	142,741	867
Jacksonville		110,422	1,892,792	870	22,143	254,638	
Nashville		61,876	1,739,997	435	47,378	206,766	
New Orleans	548,314	127,131	2,184,833	1,919	32,625	837,038	28,185
No. 7. Detroit	1,738,872	633,469	8,904,331	9,068	172,343	5,907,592	20,404
No. 8. Little Rock	190,628	37,687	1,084,264	484	33,605	462,957	2,328
Louisville	1,504,556	109,739	2,655,228	3,290	41,323	656,629	8,683
Memphis	423,401	82,836	1,392,426	915	58,349	773,044	6,150
No. 9. Helena	11,591	16,427	470,511	464	7,773	265,919	
No. 10. Denver	344,407	57,908	2,232,498	3,382	44,627	998,792	8,808
Oklahoma City		40,876	2,524,678	1,093	49,583	315,495	2,233
Omaha	246,917	48,194	1,878,623	2,307	61,791	1,294,857	9,298
No. 11. El Paso	28,778	29,468	467,335	516	10,653	246,757	
Houston	141,802	60,396	1,826,502	1,428	74,602	1,781,180	
San Antonio	56,350	51,846	1,094,388	718	20,055	467,307	
No. 12. Los Angeles	283,091	345,886	5,322,724	6,798	70,129	5,056,236	21,916
Portland	189,119	51,103	1,603,083	2,672	41,356	790,028	4,100
Salt Lake City	192,210	36,412	1,105,932	1,169	38,800	589,486	3,175
Seattle	391,607	93,440	1,380,804	2,152	35,178	1,345,617	7,331
Spokane	44,947	17,689	635,136	738	16,760	296,140	2,006

[1] Represent currency and coin received from member and nonmember banks only. [2] Not available.

No. 260.—FEDERAL RESERVE BANKS: Clearing Operations and Number of Banks on Par List

Note.—Banks on the par list include all member banks and those nonmember banks which remit for checks received from the Federal reserve banks at par without deduction of exchange charges. Federal reserve banks receive checks for collection from all member banks and from such nonmember banks as maintain sufficient balances with the Federal reserve banks to offset items in transit held for their account. Clearings of all Federal reserve banks (in millions of dollars): 1919, 136,493; 1920, 156,509; 1921, 119,160; 1922, 150,507; 1923, 196,636; 1924, 209,125; 1925, 247,185; 1926, 261,402

Bank	Total items handled, excluding duplications						Number of banks on par list, December, 1929	
	Number (in millions)			Amount (millions of dollars)				
	1927	1928	1929	1927	1928	1929	Member	Nonmember
All F. R. banks	798	826	860	267,462	291,417	356,911	8,522	12,045
Boston	78	83	90	20,220	20,766	21,049	404	271
New York	152	160	172	98,112	113,114	154,429	931	404
Philadelphia	61	61	63	23,684	27,024	37,833	764	476
Cleveland	75	79	83	28,781	29,347	30,638	795	991
Richmond	46	46	48	11,870	12,442	12,642	514	577
Atlanta	27	27	27	11,167	10,994	11,261	428	254
Chicago	112	117	123	26,464	28,488	34,536	1,186	3,485
St. Louis	49	49	49	11,363	11,641	15,454	571	1,679
Minneapolis	23	24	23	3,958	4,266	4,355	683	582
Kansas City	67	67	70	10,682	10,864	11,519	893	2,096
Dallas	35	37	39	7,549	8,053	8,443	746	605
San Francisco	73	75	73	13,612	14,419	14,752	907	634

Source of Tables 259 and 260 Federal Reserve Board.

No. 261.—FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Federal intermediate credit bank debentures, Federal land bank bonds, and foreign loans on gold

Bank and year	Average annual rate (per cent) on—				Bank and year	Average annual rate (per cent) on—			
	All classes	Discounted bills	Purchased bills	U. S. securities		All classes	Discounted bills	Purchased bills	U. S. securities
All banks:					Richmond:				
1918	4.12	4.24	4.14	2.99	1927	3.53	3.53	3.39	3.21
1919	4.04	4.23	4.30	2.26	1928	4.30	4.60	3.92	3.17
1920	5.50	5.88	5.66	2.21	1929	4.93	5.00	5.05	3.04
1921	5.61	6.07	5.70	2.37	Atlanta:				
					1927	3.73	3.86	3.67	3.33
1922	4.11	4.63	3.54	3.67	1928	4.36	4.55	4.11	3.49
1923	4.33	4.46	4.14	4.01	1929	4.90	5.00	4.89	3.73
1924	3.83	4.25	3.31	3.67	Chicago:				
1925	3.51	3.67	3.17	3.56	1927	3.66	3.90	3.46	3.55
					1928	4.31	4.67	3.81	3.76
1926	3.76	3.95	3.55	3.60	1929	4.82	4.97	5.03	4.03
1927	3.60	3.83	3.49	3.41	St. Louis:				
1928	4.24	4.56	3.97	3.64	1927	3.57	3.82	3.56	3.39
1929	4.86	5.03	5.00	3.93	1928	4.26	4.60	3.83	3.66
Boston:					1929	4.81	5.00	4.77	4.09
1927	3.59	3.80	3.51	3.32	Minneapolis:				
1928	4.20	4.57	3.92	3.47	1927	3.58	3.94	3.41	3.58
1929	4.92	4.99	5.00	4.03	1928	4.00	4.38	3.97	3.74
New York:					1929	4.66	4.89	4.04	3.95
1927	3.57	3.79	3.48	3.34	Kansas City:				
1928	4.36	4.61	4.03	3.80	1927	3.58	3.83	3.51	3.51
1929	4.97	5.18	4.97	4.14	1928	4.01	4.29	4.01	3.69
Philadelphia:					1929	4.82	4.86	5.15	3.98
1927	3.61	3.86	3.46	3.32	Dallas:				
1928	4.20	4.59	3.81	3.46	1927	3.50	3.81	3.52	3.42
1929	4.88	5.00	5.07	3.97	1928	4.00	4.40	4.06	3.60
Cleveland:					1929	4.68	4.96	5.10	3.68
1927	3.59	3.81	3.52	3.41	San Francisco:				
1928	4.13	4.50	4.01	3.51	1927	3.61	3.87	3.60	3.36
1929	4.78	5.00	5.01	3.59	1928	4.06	4.28	4.05	3.50
					1929	4.70	4.78	4.98	3.65

No. 262.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings available for dividends, franchise tax, and surplus	Dividend payments	Franchise tax to Government	Carried to surplus	Capital and surplus Dec. 31
All Federal reserve banks:						
1919	102,381	78,368	5,012	2,704	70,652	207,527
1920	131,297	149,295	5,654	60,725	82,916	301,857
1921	122,866	82,087	6,120	59,974	15,993	318,688
1922	50,499	16,428	6,307	10,351	[1] 669	325,040
1923	50,709	12,711	6,553	3,613	2,546	331,060
1924	38,340	3,718	6,682	114	[1] *3,078*	328,875
1925	41,801	9,449	6,916	59	2,474	337,547
1926	47,606	16,612	7,329	818	*8,464*	353,589
1927	43,024	13,048	7,754	230	5,044	365,890
1928	64,053	32,123	8,458	2,585	21,079	401,334
1929	70,956	36,403	9,584	4,283	22,536	447,909
Boston	5,161	2,766	634	----------	2,132	33,343
New York	19,314	12,263	3,544	----------	8,719	147,302
Philadelphia	6,076	3,802	938	----------	2,864	43,432
Cleveland	6,987	3,705	910	----------	2,795	44,773
Richmond	3,300	1,342	369	876	97	18,568
Atlanta	4,116	1,420	322	804	303	16,241
Chicago	9,889	5,425	1,170	603	3,652	60,107
St. Louis	3,248	886	319	510	57	16,145
Minneapolis	1,926	795	184	550	61	10,234
Kansas City	2,977	1,014	257	681	76	13,448
Dallas	2,496	770	267	259	244	13,388
San Francisco	5,466	2,206	670	----------	1,536	30,928

[1] Withdrawn from surplus account.

Source of Tables 261 and 262: Federal Reserve Board.

No. 263.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: ASSETS AND LIABILITIES, AS OF DECEMBER 31

[All figures, except number of banks, in millions of dollars]

Call date (Dec. 31 except as indicated)	Loans and investments					Due from banks [2]	Capital, surplus, and undivided profits [3]	Total [4] deposits	Demand deposits [4,5]	Time deposits [6]	United States deposits	Due to banks [4,7]	Net demand deposits [4]	Net demand plus time deposits [4,8]	Reserve with Federal reserve banks	Bills payable and rediscounts	Number of banks
	Total	Loans [1]	Investments														
			Total	U. S. securities	Other securities												
All member banks:																	
1918	20,593	[9] 14,224	6,368	3,472	2,896	2,194	3,220	21,457	13,347	3,834	472	3,804	14,563	18,397	1,655	[9] 1,876	8,692
1919	24,778	[9] 18,149	6,630	3,324	3,306	2,519	3,542	26,139	16,089	5,305	648	4,106	16,576	21,881	1,904	[9] 2,347	9,056
1920 (Dec. 29)	25,531	19,555	5,976	2,619	3,357	1,577	4,120	24,220	14,632	6,188	316	3,084	15,345	21,533	1,763	3,036	9,606
1921	23,482	17,394	6,088	2,581	3,507	1,450	4,093	23,247	13,630	6,451	306	2,860	14,449	20,900	1,758	1,364	9,779
1922 (Dec. 29)	25,579	17,930	7,649	3,754	3,896	1,806	4,364	27,288	15,649	7,645	462	3,492	16,203	23,848	1,939	727	9,859
1923	26,487	18,842	7,645	3,603	4,042	1,824	4,378	28,507	16,107	8,651	237	3,512	16,376	25,027	1,900	803	9,774
1924	28,746	19,933	8,813	3,874	4,939	2,339	4,532	32,384	17,788	9,805	242	4,548	18,468	28,273	2,228	408	9,587
1925	30,884	21,906	8,888	3,728	5,160	2,155	4,678	34,250	19,072	10,653	304	4,221	19,260	29,913	2,238	733	9,499
1926	31,642	22,652	8,990	3,389	5,601	2,066	4,944	34,528	18,800	11,440	234	4,054	18,922	30,362	2,210	760	9,260
1927	34,247	23,886	10,361	3,978	6,383	2,210	5,341	36,669	19,032	12,765	267	4,606	20,105	32,870	2,514	663	9,034
1928	35,084	25,155	10,529	4,312	6,217	2,124	5,899	39,075	21,111	13,453	262	4,249	19,944	33,397	2,409	1,162	8,837
1929	35,934	26,150	9,784	3,863	5,921	2,168	6,709	38,014	20,489	13,233	143	4,148	19,797	33,031	2,374	879	8,522
New York City:																	
1925	6,315	4,731	1,584	871	713	96	991	8,068	5,755	783	59	1,472	5,501	6,284	713	172	63
1926	6,519	4,895	1,624	809	815	121	1,082	8,141	5,725	911	50	1,455	5,466	6,377	681	146	60
1927	7,460	5,621	1,840	948	892	131	1,230	8,485	5,542	1,081	61	1,802	6,061	7,142	857	247	59
1928	7,951	6,018	1,933	1,094	839	120	1,553	10,397	7,386	1,268	52	1,691	6,085	7,353	809	390	57
1929	8,774	6,683	2,091	1,112	979	179	2,105	10,206	7,155	1,336	20	1,695	6,418	7,754	827	179	56
Chicago:																	
1925	1,560	1,252	308	154	154	117	219	1,786	1,008	387	15	377	1,151	1,538	150	23	20
1926	1,581	1,286	295	110	185	117	231	1,811	1,016	414	9	371	1,158	1,572	154	8	22
1927	1,810	1,394	416	181	235	110	268	2,009	1,128	520	10	352	1,261	1,781	179	16	22
1928	1,910	1,519	391	174	217	128	300	2,068	1,166	558	6	337	1,210	1,768	169	66	18
1929	1,757	1,448	309	116	193	133	316	1,879	1,115	419	8	337	1,187	1,605	169	41	17
Other reserve cities:																	
1925	10,728	7,842	2,886	1,319	1,567	886	1,538	11,958	6,115	3,837	177	1,828	6,409	10,246	746	265	549
1926	11,021	8,165	2,855	1,183	1,673	846	1,627	12,029	5,999	4,158	132	1,740	6,257	10,414	749	342	540
1927	11,904	8,462	3,442	1,547	1,895	809	1,768	12,925	6,161	4,692	147	1,925	6,598	11,291	815	211	533
1928	12,156	8,702	3,454	1,662	1,791	890	1,888	13,044	6,312	4,832	153	1,747	6,447	11,279	779	376	517
1929	12,029	9,084	2,944	1,368	1,576	947	2,029	12,889	6,260	4,888	76	1,665	6,291	11,179	751	292	458
Country banks:																	
1925	12,281	8,171	4,110	1,385	2,725	1,056	1,930	12,438	6,195	5,647	53	544	6,198	11,845	629	272	8,857
1926	12,521	8,305	4,215	1,288	2,928	981	2,004	12,548	6,060	5,957	42	488	6,041	11,998	626	264	8,638
1927	13,073	8,410	4,663	1,392	3,361	1,070	2,075	13,249	6,201	6,472	50	526	6,184	12,655	664	190	8,420
1928	13,607	8,915	4,751	1,382	3,370	977	2,158	13,596	6,247	6,794	50	473	6,202	12,996	652	330	8,245
1929	13,375	8,936	4,439	1,267	3,172	908	2,258	13,040	5,958	6,590	39	452	5,902	12,492	627	357	7,991

All member banks by districts																	
Boston—																	
1928	2,571	1,824	747	235	511	106	429	2,531	1,435	953	9	183	1,428	2,381	145	76	408
1929	2,561	1,910	650	216	434	143	454	2,577	1,451	932	8	186	1,426	2,358	143	49	404
New York—																	
1928	11,593	8,494	3,188	1,353	1,835	234	2,064	13,039	8,031	3,145	63	1,800	7,613	10,758	981	499	938
1929	12,316	9,097	3,220	1,343	1,877	295	2,658	13,697	8,588	3,196	26	1,796	7,830	11,027	984	258	931
Philadelphia—																	
1928	2,666	1,745	921	231	690	126	579	2,488	1,180	1,091	16	201	1,171	2,263	136	99	778
1929	2,687	1,859	828	193	634	118	649	2,468	1,185	1,069	10	204	1,177	2,246	137	94	764
Cleveland—																	
1928	3,414	2,291	1,123	424	699	181	570	3,401	1,498	1,643	24	237	1,490	3,133	185	105	816
1929	3,455	2,410	1,046	406	640	156	618	3,376	1,519	1,621	14	223	1,512	3,132	180	100	795
Richmond—																	
1928	1,338	1,022	317	130	187	104	238	1,355	602	596	16	141	614	1,210	68	49	547
1928	1,278	974	303	124	179	101	236	1,289	578	562	13	136	584	1,140	68	48	514
Atlanta—																	
1928	1,188	895	293	135	158	144	200	1,254	609	467	17	161	626	1,092	64	52	453
1929	1,115	855	260	115	145	132	199	1,167	574	432	15	147	587	1,018	64	42	428
Chicago—																	
1928	5,163	3,812	1,350	536	815	345	755	5,458	2,638	2,257	19	544	2,681	4,933	343	184	1,252
1929	4,934	3,770	1,164	408	756	330	791	5,140	2,522	2,077	18	523	2,576	4,653	331	148	1,186
St. Louis—																	
1928	1,406	954	452	161	290	118	213	1,441	711	538	7	185	737	1,295	85	39	587
1929	1,337	955	381	115	267	113	209	1,380	690	521	2	168	723	1,244	80	32	571
Minneapolis—																	
1928	933	560	373	147	226	117	118	1,042	444	480	6	113	465	945	55	5	719
1929	911	563	348	135	213	106	120	995	433	458	2	103	453	911	57	12	683
Kansas City—																	
1928	1,250	803	447	212	235	225	160	1,505	867	365	10	264	917	1,281	91	22	932
1929	1,212	804	408	181	227	209	162	1,429	837	350	3	238	874	1,224	88	35	893
Dallas—																	
1928	993	736	257	174	84	165	193	1,155	743	223	22	166	763	986	74	12	780
1929	936	714	222	132	91	148	172	1,048	678	225	11	135	675	900	65	17	746
San Francisco—																	
1928	3,169	2,169	1,030	574	436	258	409	3,454	1,453	1,695	52	254	1,419	3,115	183	30	627
1929	3,192	2,239	953	495	458	315	441	3,537	1,435	1,790	22	290	1,381	3,171	176	44	607

[1] Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.
[2] Does not include items with Federal reserve banks in process of collection or amounts due from foreign banks or own foreign branches.
[3] Includes reserves for dividends, contingencies, etc., but excludes, beginning 1925, reserves for interest, taxes, and other expenses accrued and unpaid.
[4] "Demand deposits" and "Net demand deposits" revised to include letters of credit and travelers' checks sold for cash, beginning 1918; "Due to banks" revised to include amounts due to own foreign branches, beginning 1927.
[5] Includes certified and cashiers' or treasurers' checks, and letters of credit and travelers' checks sold for cash.
[6] Includes postal-savings deposits.
[7] Includes amounts due to Federal reserve banks, foreign banks, and other banks and bankers; also amounts due to own foreign branches beginning 1927.
[8] Deposits subject to reserve requirements.
[9] Includes small amounts of bills sold with indorsement.

Source: Federal Reserve Board.

No. 264.—REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—**All figures in millions of dollars.** Data are monthly averages of weekly figures. Owing to the addition of new members to the list of reporting banks during 1919 and 1920, the comparability of the figures is somewhat affected, but since Jan. 1, 1921, the changes have been almost entirely through consolidation of reporting banks. The number of reporting banks was 763 at the beginning of 1919 and 535 at the end of 1920

Year and month	Loans and investments					Net demand deposits	Time deposits	Reserve balances	Borrowings at Federal reserve banks
	Total	Loans			Investments				
		Total	On securities	All other					
1919:									
March	14,628	9,825			4,803	10,122	1,697	1,260	1,449
June	15,019	10,656			4,363	10,400	1,705	1,288	1,361
September	15,627	11,342			4,285	10,991	1,984	1,327	1,383
December	16,387	12,412	4,703	7,710	3,975	11,251	2,316	1,368	1,739
1920:									
March	16,853	13,242	4,454	8,788	3,611	11,605	2,595	1,411	2,053
June	16,971	13,426	4,249	9,177	3,546	11,504	2,704	1,402	1,981
September	17,057	13,691	4,111	9,580	3,366	11,291	2,802	1,384	2,117
December	16,737	13,428	4,111	9,317	3,308	10,828	2,838	1,330	2,132
1921:									
March	16,066	12,785	3,921	8,864	3,281	10,409	2,947	1,273	1,792
June	15,364	12,036	3,805	8,232	3,328	10,187	2,957	1,206	1,267
September	14,902	11,672	3,667	8,005	3,229	9,958	2,943	1,224	906
December	14,842	11,420	3,765	7,655	3,421	10,247	3,000	1,266	697
1922:									
March	14,617	11,034	3,641	7,393	3,583	10,391	3,138	1,318	264
June	15,242	11,024	3,909	7,115	4,218	11,138	3,349	1,405	130
September	15,446	11,066	3,908	7,158	4,379	11,076	3,604	1,357	145
December	16,006	11,445	4,123	7,322	4,561	11,146	3,720	1,383	392
1923:									
March	16,368	11,796	4,116	7,680	4,572	11,284	3,928	1,404	417
June	16,428	11,905	4,157	7,748	4,522	11,176	4,020	1,400	466
September	16,305	11,930	4,028	7,903	4,375	10,991	4,035	1,360	545
December	16,318	11,985	4,142	7,843	4,333	11,127	4,083	1,382	502
1924:									
March	16,443	12,138	4,181	7,956	4,306	11,282	4,227	1,435	245
June	16,816	12,249	4,310	7,939	4,567	11,773	4,391	1,539	131
September	17,757	12,725	4,675	8,049	5,032	12,630	4,632	1,645	83
December	18,465	13,087	4,917	8,170	5,378	13,184	4,855	1,691	145
1925:									
March	18,523	13,320	5,122	8,198	5,204	12,860	5,006	1,627	234
June	18,641	13,375	5,289	8,055	5,266	12,805	5,202	1,622	238
September	18,978	13,797	5,447	8,349	5,181	12,892	5,230	1,639	403
December	19,413	14,248	5,843	8,405	5,165	13,173	5,357	1,685	491
1926:									
March	19,420	14,172	5,652	8,521	5,248	12,917	5,497	1,649	372
June	19,596	14,235	5,693	8,541	5,362	13,074	5,641	1,664	252
September	19,775	14,498	5,847	8,652	5,277	13,024	5,722	1,674	428
December	19,742	14,578	5,771	8,807	5,165	13,032	5,768	1,680	447
1927:									
March	19,989	14,536	5,867	8,670	5,453	13,034	5,989	1,665	268
June	20,506	14,849	6,220	8,628	5,658	13,414	6,163	1,744	268
September	20,653	15,056	6,298	8,758	5,587	13,340	6,269	1,703	267
December	21,328	15,396	6,676	8,720	5,932	13,872	6,419	1,781	388
1928:									
January	21,493	15,441	6,811	8,631	6,052	13,982	6,560	1,799	314
February	21,315	15,223	6,606	8,617	6,091	13,673	6,613	1,758	338
March	21,502	15,370	6,586	8,784	6,133	13,579	6,689	1,726	362
April	21,944	15,805	6,924	8,880	6,140	13,814	6,762	1,783	488
May	22,148	15,960	7,075	8,884	6,188	13,760	6,892	1,771	644
June	22,069	15,871	6,962	8,909	6,198	13,450	6,923	1,740	796
July	22,006	15,892	6,955	8,937	6,114	13,246	6,861	1,723	854
August	21,809	15,825	6,816	9,009	5,984	12,902	6,831	1,672	806
September	21,871	15,898	6,840	9,059	5,973	13,049	6,831	1,699	822
October	21,938	16,008	6,874	9,130	5,934	13,216	6,843	1,707	736
November	21,983	16,096	7,082	9,014	5,888	13,369	6,848	1,714	681
December	22,189	16,253	7,198	9,055	5,936	13,399	6,842	1,748	799
1929:									
January	22,320	16,300	7,506	8,794	6,021	13,593	6,894	1,777	663
February	22,263	16,260	7,522	8,737	6,004	13,391	6,879	1,734	659
March	22,472	16,491	7,580	8,911	5,981	13,288	6,839	1,715	740
April	22,388	16,464	7,392	9,073	5,924	13,076	6,793	1,672	725
May	22,113	16,277	7,218	9,059	5,836	12,992	6,776	1,666	661
June	22,231	16,480	7,332	9,149	5,751	13,001	6,739	1,672	670
July	22,479	16,950	7,716	9,234	5,529	13,245	6,673	1,703	801
August	22,465	16,969	7,578	9,390	5,496	13,120	6,728	1,665	717
September	22,646	17,197	7,654	9,543	5,449	13,180	6,810	1,703	706
October	23,124	17,706	8,098	9,608	5,418	13,633	6,839	1,775	634
November	23,663	18,041	8,249	9,792	5,623	14,363	6,768	1,869	655
December	23,012	17,444	7,968	9,476	5,567	13,774	6,727	1,743	490

Source: Federal Reserve Board.

No. 265.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE.—All national banks, except those in Alaska and Hawaii, and about 9 per cent in number of the eligible State banks and trust companies are now members of the system

Date	Number of banks			Capital and surplus (thousands of dollars)			Total resources (thousands of dollars)		
	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies
Dec. 31, 1914	7,582	7,574	8	1,809,284	1,701,826	17,458	11,443,855	11,351,246	92,608
Dec. 31, 1915	7,631	7,600	31	1,828,679	1,792,509	36,170	13,740,525	13,461,185	279,340
Dec. 27, 1916	7,614	7,577	37	1,863,169	1,814,347	48,822	15,849,692	15,380,617	469,075
Dec. 31, 1917	7,907	7,657	250	2,396,260	1,875,495	520,765	23,049,962	18,539,576	5,110,386
Dec. 31, 1918	8,692	7,762	930	2,713,630	1,953,840	759,790	28,245,710	20,535,553	7,710,157
Dec. 31, 1919	9,066	7,885	1,181	2,969,560	2,078,359	891,201	33,916,044	23,676,048	10,239,996
Dec. 29, 1920	9,606	8,125	1,481	3,325,962	2,290,939	1,035,023	33,079,016	22,789,045	10,289,971
Dec. 31, 1921	9,779	8,165	1,614	3,425,296	2,314,633	1,110,663	30,114,136	19,935,224	10,178,912
Dec. 29, 1922	9,859	8,220	1,639	3,566,681	2,391,275	1,175,406	33,882,571	21,965,554	11,917,017
Dec. 31, 1923	9,774	8,179	1,595	3,644,373	2,392,784	1,251,589	35,238,606	22,395,303	12,843,303
Dec. 31, 1924	9,587	8,043	1,544	3,744,967	2,422,256	1,322,711	38,986,867	24,368,991	14,617,876
Dec. 31, 1925	9,489	8,048	1,441	3,937,999	2,544,180	1,393,819	41,425,295	25,839,450	15,585,845
Dec. 31, 1926	9,260	7,906	1,354	4,158,796	2,626,064	1,532,732	42,029,644	25,669,069	16,360,575
Dec. 31, 1927	9,034	7,759	1,275	4,461,800	2,841,192	1,620,608	44,888,140	28,148,557	16,739,583
Dec. 31, 1928	8,837	7,629	1,208	4,914,932	3,104,700	1,810,232	48,935,646	30,573,457	18,362,189
Dec. 31, 1929	8,522	7,403	1,119	5,621,725	3,247,371	2,374,354	48,843,078	28,839,582	20,003,496

No. 266.—ALL MEMBER BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS ON DECEMBER 31, 1928 AND 1929, BY CLASSES

[All figures, except number of banks, in millions of dollars]

	1928	1929	1929				
			Central reserve city banks	Other reserve city banks	Country banks	National bank members	State bank, etc., members
Loans and investments, total	35,684	35,934	10,531	12,029	13,375	21,584	14,350
Loans, total [1]	25,155	26,150	8,130	9,094	8,936	15,136	11,014
Loans to customers, total [2]	21,999	23,908	6,704	8,076	8,527	13,995	9,913
To banks	538	714	410	258	45	409	305
On securities (exclusive of loans to banks)	7,347	8,488	2,973	3,201	2,314	4,551	3,937
Real estate loans, total	3,123	3,191	190	1,538	1,462	1,477	1,714
On farm land	412	388	2	110	276	299	88
On other real estate	2,711	2,803	188	1,428	1,186	1,178	1,626
All other (including overdrafts)	10,991	11,515	3,130	3,679	4,705	7,559	3,956
Open market loans, total [3]	3,158	2,243	1,425	408	408	1,142	1,101
Acceptances and commercial paper purchased	602	582	213	169	200	432	150
Street loans [4]	2,556	1,660	1,213	239	208	709	951
Investments, total	10,529	9,784	2,400	2,944	4,439	6,448	3,336
U. S. Government securities	4,312	3,863	1,228	1,368	1,267	2,609	1,254
Other securities, total	6,217	5,921	1,172	1,576	3,172	3,839	2,082
Domestic—							
Bonds	4,520	4,109	687	1,072	2,410	2,909	1,200
All other	1,013	1,123	380	370	373	447	677
Foreign	684	629	105	135	389	483	145
Number of banks	8,929	8,522	73	458	7,991	7,403	1,119

[1] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement.
[2] Except street loans made to customers by New York City banks.
[3] Includes street loans made to customers by New York City banks.
[4] Loans on securities to brokers and dealers in securities at New York City.

Source of Tables 265 and 266: Federal Reserve Board.

No. 267.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: EARNINGS, EXPENSES, AND DIVIDENDS

[All figures, except ratios, in millions and tenths of millions of dollars]

	All member banks							1929	
	1923	1924	1925	1926	1927	1928	1929	National bank members	State banks, etc., members
Principal earning assets, total [1]	26,207.0	27,474.7	29,673.9	31,132.1	32,756.0	34,721.9	35,727.1	21,751.7	13,975.4
Loans [1]	18,532.0	19,347.3	20,809.1	22,123.4	23,006.0	24,153.7	25,614.7	15,007.6	10,607.1
Investments [1]	7,675.0	8,127.4	8,864.8	9,008.8	9,749.9	10,568.2	10,112.5	6,744.2	3,368.3
Capital funds [1 2]	4,380.1	4,491.7	4,589.3	4,820.1	5,102.7	5,622.3	6,360.3	3,750.5	2,609.8
Gross earnings, total	1,719.4	1,780.5	1,918.1	2,027.8	2,120.3	2,284.0	2,474.1	1,443.3	1,030.8
Interest earned	1,493.8	1,514.5	1,615.6	1,710.5	1,749.0	1,905.7	2,068.9	1,247.1	821.8
Expenses, total	1,232.7	1,280.5	1,367.3	1,441.7	1,515.7	1,613.8	1,683.7	987.1	696.6
Interest paid	590.1	619.2	669.1	704.3	737.6	798.1	823.5	487.6	335.9
Net earnings	486.7	505.9	550.8	586.0	604.6	670.2	790.4	456.2	334.2
Net losses	149.8	144.6	131.3	154.5	157.6	166.3	233.9	104.8	69.1
Net profits	336.9	361.3	419.5	431.5	447.0	503.9	556.5	291.4	265.1
Dividends declared	267.9	258.0	272.7	284.8	312.7	327.4	408.6	247.3	161.3
Ratios:									
Earning assets per $1 of capital funds	$5.98	$6.12	$6.47	$6.46	$6.34	$6.18	$5.62	$5.80	$5.35
Net profit per $100 of earning assets	$1.29	$1.32	$1.41	$1.39	$1.36	$1.45	$1.56	$1.34	$1.90
Net profit per $100 of capital funds	$7.69	$8.04	$9.14	$8.95	$8.66	$8.96	$8.75	$7.77	$10.16

[1] Figures are averages of amounts for call dates during the year.
[2] Capital, surplus, and undivided profits, including reserves for dividends and contingencies and, for 1923 and 1924, also reserves for taxes, interest, and other expenses accrued.

Source: Federal Reserve Board.

No. 268.—ALL REPORTING BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS, ON OR ABOUT JUNE 30

NOTE.—See headnote, Table 271

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Individual deposits	Year	Number of banks	Total resources	Capital and surplus	Individual deposits
1890	8,188	6,350.1	1,414.4	4,069.7	1920	30,139	53,079.1	5,113.0	37,268.1
1895	9,818	7,609.5	1,621.3	4,921.2	1921	30,812	49,671.4	5,446.0	34,790.9
1900	10,382	10,785.9	1,673.1	7,238.9	1922	30,389	50,425.4	5,641.4	37,143.5
1905	16,410	16,918.2	2,516.8	11,350.7	1923	30,173	54,034.9	5,851.9	39,983.0
1910	23,095	22,450.3	3,427.8	14,963.7	1924	29,348	57,144.7	6,081.6	42,903.8
1915	27,052	27,804.1	3,895.8	18,965.7	1925	28,841	62,057.0	6,343.0	46,715.2
1916	27,513	32,271.2	4,044.8	22,520.0	1926	28,146	64,893.4	6,745.3	48,826.6
1917	27,923	37,126.8	4,219.7	26,058.4	1927	27,061	68,132.6	7,141.0	51,062.1
1918	28,880	40,726.4	4,386.3	27,715.5	1928	26,213	71,574.3	7,671.1	53,244.7
1919	29,123	47,615.4	4,619.4	32,629.3	1929	25,330	72,172.5	8,408.7	53,157.9

Source: Comptroller of the Currency, Treasury Department.

No. 269.—ALL REPORTING BANKS: SUMMARY, BY STATES, JUNE 30, 1929

[All figures, except number of banks, in thousands of dollars]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including rediscounts and overdrafts	Investments	Reserve with Federal reserve banks or other reserve agents	Capital, surplus, and undivided profits [1]	Individual deposits [2]	
							Demand	Time
Grand total	25,330	72,172,505	41 433,126	17,348,736	3,192,200	9,667,545	24,350,104	28,787,617
Continental U. S.	25,200	71,805,802	41,228,590	17,306,715	3,190,998	9,611,851	24,235,840	28,687,424
New England	1,100	7,965,672	4,720,798	2,431,401	210,195	922,679	1,689,722	4,753,358
Maine	134	473,228	230,329	206,685	5,356	53,601	77,884	316,340
New Hampshire	123	334,643	157,727	154,755	3,642	41,155	40,775	237,487
Vermont	104	236,399	102,054	94,556	2,895	31,855	29,504	211,197
Massachusetts	452	4,791,518	2,947,455	1,309,315	134,356	535,970	1,088,551	2,733,031
Rhode Island	33	584,406	366,643	226,912	20,264	60,314	132,193	364,415
Connecticut	254	1,495,478	916,590	439,178	43,682	199,784	320,815	891,382
Middle Atlantic	3,297	30,576,164	17,134,785	7,672,479	1,468,204	4,518,259	10,176,812	11,361,648
New York	1,141	20,804,553	12,281,725	4,281,441	1,050,949	2,870,452	7,115,480	7,314,488
New Jersey	567	2,865,632	1,654,230	795,291	91,727	375,974	956,765	1,309,642
Pennsylvania	1,589	6,905,979	3,198,830	2,595,747	325,528	1,272,833	2,104,567	2,737,518
East North Central	5,561	13,123,828	7,867,031	2,694,276	708,451	1,641,557	4,744,546	5,102,359
Ohio	1,029	3,314,080	2,030,179	684,920	215,050	406,888	1,107,304	1,447,803
Indiana	986	1,234,844	670,493	225,769	19,994	146,239	414,310	410,641
Illinois	1,801	4,922,404	2,951,576	966,968	214,045	672,675	2,000,315	1,586,624
Michigan	781	2,505,015	1,538,467	540,037	183,346	285,887	861,368	1,115,991
Wisconsin	964	1,147,485	676,316	276,682	76,016	129,868	361,249	541,240
West North Central	6,477	5,002,918	2,736,938	1,213,965	129,291	585,339	2,022,643	1,887,410
Minnesota	1,072	1,127,571	541,525	374,172	30,656	112,671	358,974	529,434
Iowa	1,328	1,014,508	598,554	216,260	22,017	111,633	324,819	491,827
Missouri	1,325	1,487,106	835,146	340,641	34,449	203,864	699,880	392,268
North Dakota	433	147,251	83,191	31,494	9,681	17,070	50,739	69,264
South Dakota	396	177,214	95,356	40,499	3,919	18,025	75,403	71,473
Nebraska	846	510,585	292,137	93,640	14,126	51,933	218,020	167,548
Kansas	1,077	538,683	296,029	117,258	14,443	70,143	294,808	115,596
South Atlantic	2,453	4,215,912	2,536,342	881,775	191,609	644,387	1,433,372	1,611,896
Delaware	51	189,755	119,324	48,527	7,764	32,981	74,997	62,928
Maryland	235	993,191	515,876	329,193	47,289	132,803	279,123	496,159
Dist. of Col	41	331,797	194,331	61,637	9,307	52,771	142,732	101,702
Virginia	484	667,612	456,904	98,236	15,073	114,181	199,585	251,229
West Virginia	310	440,223	288,601	69,038	29,934	69,521	164,176	164,054
North Carolina	428	495,243	335,512	54,834	39,686	73,420	173,618	158,082
South Carolina	228	225,578	138,851	42,142	3,867	32,967	73,008	93,010
Georgia	424	454,386	296,844	56,772	29,316	78,577	157,550	147,596
Florida	257	418,127	190,069	121,396	9,373	57,166	168,633	137,136
East South Central	1,746	1,917,892	1,209,146	312,265	61,121	272,258	680,771	625,812
Kentucky	572	685,024	434,595	125,693	12,313	98,046	212,594	221,132
Tennessee	490	577,612	356,808	75,147	11,334	81,156	219,716	189,227
Alabama	350	377,962	249,358	57,503	11,863	62,422	138,061	114,609
Mississippi	334	277,294	168,379	53,912	25,611	30,632	110,400	100,344
West South Central	2,948	2,816,420	1,589,345	544,824	106,622	360,835	1,439,198	579,452
Arkansas	420	269,338	164,426	43,767	27,636	36,115	121,392	76,036
Louisiana	226	558,655	345,687	81,219	16,602	64,743	250,450	131,504
Oklahoma	649	543,021	262,221	147,676	24,535	49,733	206,611	125,589
Texas	1,353	1,445,406	817,011	272,162	37,849	210,244	770,715	246,263
Mountain	944	1,118,662	587,397	287,633	53,581	117,421	475,915	408,001
Montana	198	190,486	94,242	56,360	4,548	19,816	78,500	77,601
Idaho	137	100,421	48,494	28,743	3,393	10,658	48,823	34,389
Wyoming	87	74,693	40,345	18,113	2,204	8,380	33,164	26,325
Colorado	278	346,309	171,380	94,044	24,699	36,119	158,095	119,403
New Mexico	58	51,257	25,932	14,756	1,934	5,017	29,899	13,143
Arizona	46	107,315	54,214	30,397	9,942	11,384	52,095	38,762
Utah	105	194,441	121,971	35,753	5,794	20,694	55,912	75,548
Nevada	35	53,730	30,819	9,607	1,007	5,353	19,427	23,830
Pacific	1,084	5,068,344	2,844,814	1,267,798	201,922	548,118	1,572,867	2,406,988
Washington	344	570,442	286,041	159,498	42,981	59,543	229,027	211,790
Oregon	235	327,948	145,446	114,157	20,190	35,865	136,039	123,902
California	455	4,169,954	2,413,327	994,143	138,751	452,710	1,207,801	2,071,296
Alaska	17	14,770	6,099	5,009	----------	1,762	6,446	5,889
Hawaii	23	122,686	71,289	24,863	153	20,622	39,270	44,122
Porto Rico	18	75,328	53,176	5,487	----------	11,981	16,411	19,083
Philippines	12	153,913	75,972	6,604	1,051	21,329	52,191	31,009

[1] Includes reserves for dividends, contingencies, etc.

[2] In addition to amounts shown there were deposits of $20,121,000 not classified as to demand or time.

Source: Comptroller of the Currency, Treasury Department.

No. 270.—ALL REPORTING BANKS IN CONTINENTAL UNITED STATES: PRINCIPAL RESOURCES AND LIABILITIES, BY STATES, DECEMBER 31 [1]

[All figures, except number of banks, in millions and tenths of millions of dollars]

Division and State	Number of reporting banks		Loans (incl. rediscounts and overdrafts)		Investments		Deposits, exclusive of bank deposits [2]		Rediscounts and bills payable	
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929
United States	25,578	24,630	40,762.7	41,898.4	17,503.7	16,518.6	56,765.6	55,289.2	1,512.2	1,237.6
New England	1,082	1,020	4,421.2	4,671.6	2,527.8	2,416.4	6,504.3	6,578.3	97.3	83.9
Maine	136	133	214.0	230.6	213.3	201.9	306.3	306.5	8.6	10.5
New Hampshire	124	123	149.3	157.5	153.5	153.9	275.0	282.1	2.9	4.2
Vermont	105	104	158.8	158.4	95.2	91.6	242.0	235.6	3.6	7.0
Massachusetts	448	450	2,844.7	3,007.5	1,280.4	1,217.2	3,871.6	3,932.0	60.9	43.8
Rhode Island	34	33	290.0	310.7	247.2	222.4	505.3	499.7	6.8	2.2
Connecticut	235	237	764.4	806.9	538.2	529.4	1,214.1	1,232.4	14.5	16.2
Middle Atlantic	3,332	3,261	17,014.8	17,963.1	7,628.4	7,350.7	24,078.4	23,494.6	736.3	497.9
New York	1,145	1,127	11,931.6	12,754.7	4,506.4	4,467.6	16,703.9	16,340.1	478.9	242.5
New Jersey	570	568	1,650.1	1,633.7	813.1	754.7	2,325.9	2,260.7	78.7	48.2
Pennsylvania	1,617	1,566	3,433.1	3,574.7	2,308.9	2,128.5	5,048.6	4,893.8	178.7	207.2
East North Central	5,573	5,452	7,665.9	7,762.8	2,675.2	2,531.5	10,051.4	9,706.2	328.2	304.8
Ohio	1,035	1,015	1,985.6	2,057.4	677.2	634.1	2,565.4	2,532.2	84.9	93.8
Indiana	1,005	999	664.5	648.5	232.8	214.4	855.6	810.0	54.2	27.2
Illinois	1,816	1,765	2,902.8	2,888.1	1,015.5	914.1	3,751.3	3,569.3	92.9	77.9
Michigan	751	743	1,455.7	1,514.1	563.8	506.5	1,948.8	1,900.5	62.9	87.5
Wisconsin	966	930	657.3	654.7	285.9	262.4	930.3	894.2	28.3	18.4
West North Central	6,617	6,252	2,886.1	2,816.3	1,183.4	1,078.9	4,095.3	3,937.0	85.8	74.3
Minnesota	1,100	1,046	538.3	545.6	377.0	355.8	903.5	879.1	9.1	15.2
Iowa	1,298	1,257	670.8	662.4	120.6	119.2	832.6	821.9	12.4	12.9
Missouri	1,356	1,277	881.4	868.1	394.6	331.2	1,224.4	1,200.5	40.8	19.3
North Dakota	470	412	88.6	79.1	36.1	32.6	139.2	119.3	.9	1.2
South Dakota	409	387	95.8	96.4	40.9	41.1	152.6	149.8	1.2	1.6
Nebraska	882	804	312.9	272.1	95.1	87.2	411.5	361.0	15.6	14.7
Kansas	1,102	1,069	298.3	292.6	119.1	111.8	431.5	405.4	5.8	9.4
South Atlantic	2,540	2,632	2,541.9	2,423.2	902.7	853.5	3,236.9	3,059.6	102.6	99.6
Delaware	47	47	98.2	119.0	51.2	48.4	136.8	138.4	4.0	2.7
Maryland	237	230	502.6	518.3	331.9	319.1	788.7	792.1	14.2	13.7
Dist. of Columbia	41	41	190.8	184.7	62.3	59.8	248.9	239.9	6.3	8.1
Virginia	488	474	466.8	456.0	96.8	95.4	471.3	460.7	25.0	27.9
West Virginia	325	297	294.4	280.1	66.3	65.0	333.3	315.6	12.1	17.2
North Carolina	441	416	349.4	312.2	58.8	57.4	390.2	356.8	17.0	12.7
South Carolina	244	217	138.8	125.9	45.7	42.7	195.3	178.1	1.6	1.2
Georgia	434	405	287.9	277.2	67.8	57.2	335.3	315.4	13.2	9.9
Florida	283	235	213.0	149.8	121.9	108.5	337.1	262.6	9.2	6.2
East South Central	1,755	1,714	1,132.8	1,185.9	309.1	293.1	1,382.7	1,345.6	69.6	61.3
Kentucky	579	572	416.5	438.2	130.1	116.0	456.3	447.9	30.6	21.6
Tennessee	498	484	348.3	360.6	94.7	99.3	408.2	403.6	16.2	19.9
Alabama	357	350	251.2	229.1	60.9	53.4	290.7	266.1	17.8	14.2
Mississippi	321	308	166.8	158.0	53.4	54.4	227.5	228.0	5.0	5.6
West South Central	2,671	2,585	1,587.1	1,554.7	555.3	508.9	2,208.2	2,035.6	33.6	56.1
Arkansas	437	415	160.2	155.2	42.2	42.3	215.6	208.5	1.2	3.4
Louisiana	228	225	340.1	347.5	89.3	81.7	415.9	409.8	18.7	18.0
Oklahoma	661	617	255.4	253.4	149.4	147.1	444.4	417.1	1.0	16.2
Texas	1,345	1,308	831.4	798.6	274.4	237.8	1,132.3	1,030.2	12.7	18.5
Mountain	954	933	594.8	582.0	300.0	284.3	961.3	914.0	5.7	8.2
Montana	201	195	100.1	87.7	58.8	56.4	175.7	156.5	.2	.5
Idaho	139	137	49.5	50.0	32.7	30.8	93.5	92.0	.2	.2
Wyoming	86	86	40.3	40.0	19.4	17.6	66.4	62.7	.1	.6
Colorado	284	274	173.6	173.5	99.0	88.9	298.5	284.0	3.7	3.7
New Mexico	58	56	26.2	25.7	14.9	14.8	47.0	46.0	-------	.2
Arizona	49	46	51.8	49.9	29.5	31.3	94.9	91.9	.6	.6
Utah	105	104	123.5	120.0	36.6	35.7	142.6	139.8	.9	2.4
Nevada	35	35	29.8	29.2	9.1	8.8	42.7	41.1	-------	-------
Pacific	1,052	1,011	2,868.3	2,938.7	1,321.6	1,201.6	4,237.1	4,198.4	57.7	51.8
Washington	351	340	278.5	303.6	170.1	156.2	463.3	468.9	2.8	3.8
Oregon	242	234	145.7	148.0	117.4	112.5	279.2	268.2	1.8	4.7
California	459	437	2,444.1	2,487.1	1,034.1	932.9	3,494.6	3,461.3	53.1	43.3

[1] Date of reports of member banks; data for nonmember banks are from reports of nearest available date.
[2] Includes certified and officers' or treasurers' checks and letters of credit and travelers' checks sold for cash.

Source: Federal Reserve Board.

No. 271.—BANKS: Number, Resources, Capital and Surplus, and Deposits for Each Class of Banks

Note.—Banks in Alaska, Hawaii, Porto Rico, and Philippine Islands are included. Data for national banks and in recent years for other classes are as of June 30 or about June 30. In earlier years reports for banks other than national were of various dates. Figures for private banks, which include only those under State supervision and others voluntarily reporting, except for 1880, and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete. For 1910 and 1915, when statistics were compiled from reports from individual banks, and in recent years, the segregation of the classes of banks is fairly accurate. In other years figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks. Individual deposits exclude dividends unpaid and, beginning 1910, certified and cashiers' checks; they include postal savings

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Individual deposits	Number of banks	Total resources	Capital and surplus	Individual deposits
	National banks				State (commercial) banks			
1830					329		[1] 110.2	
1840					901	75.7	[1] 657.7	
1850					824	109.6	[1] 532.3	
1860					1,562	253.8	[1] 999.9	
1865	1,294	1,126.5	357.1	[2] 398.4				
1870	1,612	1,505.8	518.9	542.3				
1875	2,076	1,913.2	634.7	686.5	551	272.3	75.9	165.9
1880	2,076	2,035.5	674.0	833.7	620	354.9	109.6	208.8
1885	2,689	2,421.9	672.8	1,106.4	975	553.6	155.9	344.3
1890	3,484	3,061.8	854.7	1,521.7	2,292	877.9	243.5	560.4
1895	3,715	3,470.6	906.0	1,730.0	3,774	1,147.5	324.5	712.4
1900	3,732	4,944.2	877.8	2,458.1	4,369	1,759.8	328.4	1,266.7
1905	5,008	7,327.8	1,205.0	3,783.7	7,794	3,190.9	534.2	2,365.2
1910	7,145	9,896.6	1,634.4	5,070.5	12,166	5,695.0	623.4	2,675.4
1915	7,605	11,795.7	1,790.6	6,426.2	14,598	4,399.6	725.1	3,231.0
1917	7,604	16,290.4	1,845.1	9,320.9	15,968	6,799.7	888.7	5,376.2
1918	7,705	18,354.9	1,907.7	10,006.4	16,596	7,815.7	962.8	6,090.3
1919	7,785	21,234.9	1,990.8	11,865.2	17,225	11,701.6	1,226.6	8,968.5
1920	8,030	23,411.3	2,210.6	13,671.8	18,195	14,009.8	1,447.2	10,827.1
1921	8,154	20,517.9	2,300.1	12,373.4	[3] 18,875	14,199.1	1,042.9	10,664.4
1922	8,249	20,706.0	2,356.0	13,220.4	18,232	13,064.4	1,575.4	10,097.9
1923	8,241	21,511.8	2,399.5	14,008.7	18,043	14,162.9	1,612.9	11,120.6
1924	8,085	22,565.9	2,414.6	14,818.8	17,436	14,816.0	1,664.4	11,745.4
1925	8,072	24,350.9	2,488.4	16,320.7	16,983	15,979.2	1,706.7	12,672.8
1926	7,978	25,315.6	2,611.8	17,057.1	16,493	16,579.7	1,789.3	13,145.8
1927	7,796	26,581.9	2,731.1	18,202.8	15,690	16,565.0	1,814.0	12,923.7
1928	7,601	28,508.2	3,013.6	19,300.4	15,073	16,291.0	1,788.7	12,725.1
1929	7,356	27,440.2	3,106.4	18,821.4	14,437	15,824.3	1,900.3	12,816.5
	Loan and trust companies				Private banks			
1875	35	122.9	28.8	85.0				
1880	30	126.9	24.7	90.0	[4] 2,802		[1,4] 76.1	[4] 182.7
1885	40	248.4	37.1	188.4				
1890	149	503.8	105.3	336.5	1,312	164.0	50.8	101.0
1895	242	807.1	173.1	546.7	1,070	130.6	40.4	81.8
1900	290	1,330.2	239.6	1,028.2	989	126.8	22.6	96.2
1905	683	2,866.0	524.4	1,980.9	1,028	165.2	29.4	127.9
1910	1,091	4,216.9	800.1	3,026.0	934	160.0	25.4	124.0
1915	1,564	5,873.1	927.5	4,177.8	1,036	177.7	29.0	134.1
1917	1,608	7,899.8	1,040.3	5,781.3	936	197.9	24.1	161.3
1918	1,669	8,317.4	1,068.3	5,954.0	1,091	236.6	28.4	193.1
1919	1,377	7,960.0	942.4	5,676.1	1,017	296.1	28.7	216.2
1920	1,408	8,329.0	985.7	6,061.9	799	212.6	26.4	169.3
1921	1,474	8,181.1	1,053.5	5,601.5	708	175.3	24.0	133.7
1922	1,550	8,533.0	1,095.0	6,490.5	673	185.5	25.7	145.2
1923	1,643	9,499.3	1,198.1	6,825.3	604	165.5	22.4	131.4
1924	1,664	10,323.8	1,293.3	7,779.2	560	150.9	19.8	120.5
1925	1,630	11,565.5	1,366.7	8,530.4	523	155.2	19.5	126.2
1926	1,650	12,205.2	1,487.2	8,893.4	495	174.2	21.0	131.2
1927	1,647	13,994.8	1,678.0	10,074.2	467	164.1	19.3	123.2
1928	1,633	15,230.9	1,889.3	10,874.5	404	148.8	16.6	110.6
1929	1,608	16,155.2	2,395.8	10,959.5	391	156.5	19.4	107.2

[1] Capital only. [2] Individual and other.

[3] In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for part of the increase in State banks and the greater part of the decrease in stock savings banks. In subsequent years returns showed separate statistics for each class of banks.

[4] Average for all private banks for the six months ended May 31, 1880.

No. 271.—Banks: Number, Resources, Etc., for Each Class of Banks—Continued

Year	Mutual savings banks [5]				Stock savings banks [5]			
	Number of banks	Total resources	Surplus	Individual deposits	Number of banks	Total resources	Capital and surplus	Individual deposits
1880	629	881.7	51.2	819.1				
1885	646	1,208.0	88.6	1,095.2				
1890	637	1,486.6	126.1	1,336.0	284	256.0	34.1	214.5
1895	664	1,756.7	136.0	1,597.3	353	297.0	41.3	247.0
1900	652	2,336.5	175.8	2,134.5	350	288.4	29.1	255.2
1905	668	2,967.3	184.6	2,736.5	569	400.9	39.2	356.5
1910	638	3,652.4	249.2	3,360.6	1,121	829.4	95.3	707.2
1915	630	4,319.4	289.7	3,950.6	1,520	1,238.7	133.9	1,046.0
1917	622	4,811.0	321.8	4,422.5	1,185	1,127.9	99.8	996.2
1918	625	4,818.6	315.6	4,422.1	1,194	1,183.2	103.6	1,049.5
1919	622	5,171.0	333.4	4,751.2	1,097	1,281.3	97.4	1,162.1
1920	620	5,619.0	334.5	5,186.8	1,087	1,506.4	108.6	1,351.2
1921	623	6,040.1	366.4	5,575.1	[6] 978	557.9	59.1	442.8
1922	619	6,351.6	468.2	5,778.9	1,066	1,583.9	121.0	1,401.7
1923	618	6,904.8	496.5	6,288.6	1,029	1,790.7	122.5	1,669.0
1924	613	7,364.7	558.8	6,693.2	990	1,923.4	130.7	1,746.5
1925	611	7,913.0	633.2	7,147.0	972	2,093.1	128.7	1,918.2
1926	620	8,422.3	703.0	7,577.5	904	2,196.4	133.0	2,021.6
1927	618	9,011.2	782.9	8,076.5	843	1,815.5	115.7	1,661.7
1928	616	9,688.2	851.6	8,672.8	791	1,707.2	111.4	1,561.2
1929	611	10,006.5	823.7	9,003.1	747	1,589.8	103.0	1,450.2

[5] Data shown for mutual savings banks, 1880 and 1885, include stock savings banks. For deposits in savings banks for earlier years, see *Table 283, p. 275.*

[6] See footnote 3, preceding page.

No. 272.—NATIONAL BANKS: Principal Resources and Liabilities

Note.—**All figures, except number of banks, in millions of dollars.** Data include banks in Alaska and Hawaii. Loans and discounts include rediscounts and overdrafts; they exclude acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include reserves for dividends, contingencies, etc., and prior to 1925, also reserves for taxes, interest, etc., accrued. Deposits exclude dividends unpaid and, beginning 1910, certified and cashiers' checks outstanding; they include postal savings

June 30 [1]—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Individual deposits	Note circulation	June 30 [1]—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Individual deposits	Note circulation
1864	477	71	93	79	[2] 119	26	1897	3,610	1,978	484	963	1,770	197
1865	1,294	362	407	380	[2] 398	131	1898	3,582	2,164	555	955	2,023	190
1866	1,634	550	468	494	533	268	1899	3,583	2,508	651	947	2,522	199
1867	1,636	588	447	512	510	292	1900	3,732	2,644	774	1,013	2,458	265
1868	1,640	656	443	529	576	295	1901	4,165	2,981	885	1,062	2,942	319
1869	1,619	686	416	549	574	293	1902	4,535	3,247	945	1,184	3,099	309
1870	1,612	719	409	562	542	291	1903	4,930	3,442	1,066	1,286	3,291	339
1871	1,723	789	425	594	602	303	1904	5,331	3,622	1,131	1,349	3,313	400
1872	1,853	872	438	626	619	327	1905	5,668	3,930	1,239	1,407	3,784	446
1873	1,968	926	445	662	641	339	1906	6,053	4,237	1,283	1,494	4,056	511
1874	1,983	926	451	676	623	339	1907	6,429	4,564	1,446	1,608	4,323	548
1875	2,076	973	443	687	686	318	1908	6,824	4,640	1,572	1,673	4,375	614
1876	2,091	934	427	679	641	294	1909	6,926	5,061	1,648	1,748	4,839	641
1877	2,078	902	431	656	636	290	1910	7,145	5,456	1,612	1,856	5,071	676
1878	2,056	835	460	629	622	300	1911	7,277	5,634	1,762	1,939	5,374	682
1879	2,048	838	715	615	640	307	1912	7,373	5,974	1,861	1,990	5,671	709
1880	2,076	995	451	624	834	318	1913	7,473	6,162	1,889	2,053	5,829	722
1881	2,115	1,146	484	642	1,032	312	1914	7,525	6,445	1,915	2,057	6,126	723
1882	2,239	1,209	471	660	1,067	309	1915	7,605	6,665	2,068	2,105	6,426	723
1883	2,417	1,286	465	707	1,043	312	1916	7,579	7,769	2,352	2,103	7,830	676
1884	2,625	1,270	448	739	979	295	1917	7,604	8,992	3,013	2,217	9,321	660
1885	2,689	1,258	432	725	1,106	269	1918	7,705	10,165	3,957	2,279	10,006	682
1886	2,809	1,309	407	760	1,146	245	1919	7,735	11,027	5,048	2,418	11,865	677
1887	3,014	1,560	329	806	1,256	167	1920	8,030	13,637	4,186	2,684	13,672	688
1888	3,120	1,628	356	842	1,292	155	1921	8,154	11,979	4,025	2,796	12,373	701
1889	3,239	1,779	323	875	1,442	129	1922	8,249	11,193	4,563	2,848	13,229	726
1890	3,484	1,934	311	935	1,522	126	1923	8,241	11,780	5,070	2,876	14,009	720
1891	3,652	1,964	309	988	1,535	124	1924	8,085	11,958	5,142	2,916	14,819	730
1892	3,759	2,128	347	1,011	1,753	141	1925	8,072	12,506	5,730	2,970	16,321	649
1893	3,807	2,020	356	1,029	1,557	155	1926	7,978	13,327	5,842	3,089	17,057	651
1894	3,770	1,944	435	1,001	1,678	172	1927	7,796	13,854	6,303	3,239	18,203	651
1895	3,715	2,017	447	987	1,736	179	1928	7,691	14,027	7,147	3,571	19,300	649
1896	3,689	1,972	464	983	1,668	199	1929	7,356	14,811	6,657	3,675	18,821	649

[1] Or nearest report date.

[2] Individual and other.

Source of Tables 271 and 272: Comptroller of the Currency, Treasury Department.

No. 273.—NATIONAL BANKS: Principal Resources and Liabilities as of December 31

Note.—Data include banks in Alaska and Hawaii

[All figures in millions of dollars.]

	1910 (Nov. 10)	1914	1919	1918	1920	1921	1922	1923	1924
RESOURCES									
Total resources [1]	9,956	11,357	15,388	20,544	22,799	19,944	21,975	22,406	24,381
Loans and discounts [2 3]	5,498	6,363	8,438	10,447	13,544	11,466	11,552	11,811	12,218
United States Government securities	751	795	717	2,956	2,132	1,976	2,657	2,567	2,587
Other bonds, stocks, securities, etc	867	1,332	1,819	1,789	1,990	2,081	2,347	2,478	3,076
Reserve with Federal reserve banks				1,180	1,185	1,143	1,221	1,181	1,394
Items with Federal reserve banks in process of collection		262	707	286	423	350	456	460	487
Due from banks [4]	1,657	1,453	2,276	2,540	1,873	1,599	2,230	2,360	2,862
Cash in vault	863	735	882	522	494	342	392	386	410
LIABILITIES									
Capital stock	1,004	1,066	1,071	1,110	1,272	1,282	1,317	1,326	1,335
Surplus	652	727	745	845	1,020	1,033	1,076	1,068	1,089
Undivided profits [5]									442
Reserves for interest, taxes, etc., accrued	249	282	362	389	564	465	529	474	61
Circulation outstanding	680	849	666	677	694	717	724	726	715
Due to banks [6]	2,085	2,003	3,537	3,037	2,934	2,535	3,266	3,135	3,908
Demand deposits [7]	5,126	4,934	6,792	8,991	9,501	8,508	9,539	9,555	10,326
Time deposits [8]		1,207	1,936	2,474	3,632	3,749	4,319	4,948	5,581
United States deposits	48	72	35	313	212	188	304	168	153
Bills payable and rediscounts [3]	72	132	90	1,381	2,343	971	512	582	287

	1925	1926	1927	1928	1929			
					All banks	Central reserve cities	Other reserve cities	Country banks
RESOURCES								
Total resources [1]	25,852	25,684	28,184	30,589	28,882	6,345	9,974	2,564
Loans and discounts [2 3]	13,423	13,487	14,647	15,291	15,160	3,039	5,443	6,678
United States Government securities	2,523	2,283	2,748	3,009	2,612	574	971	1,067
Other bonds, stocks, securities, etc	3,252	3,508	4,152	4,119	3,846	453	873	2,521
Reserve with Federal reserve banks	1,377	1,359	1,509	1,496	1,348	376	477	495
Items with Federal reserve banks in process of collection	572	543	520	4,185	3,413	1,080	1,395	938
Due from banks [4]	2,855	2,635	2,433					
Cash in vault	390	353	361	388	393	33	101	260
LIABILITIES								
Capital stock	1,379	1,411	1,529	1,616	1,704	369	554	781
Surplus	1,167	1,217	1,314	1,490	1,548	434	469	656
Undivided profits—net				492	497	82	144	271
Reserves for dividends, contingencies, etc	476	477	531	85	92	22	32	37
Reserves for interest, taxes, etc., accrued	59	61	76	67	72	20	27	24
Circulation outstanding	648	646	650	650	646	39	153	454
Due to banks [6]	3,696	3,431	3,661	4,074	3,146	1,250	1,439	457
Demand deposits [7]	11,112	10,730	11,230	11,781	11,089	2,770	3,841	4,478
Time deposits [8]	6,047	6,533	7,808	8,307	8,434	650	2,737	5,047
United States deposits	193	138	169	186	103	10	58	35
Bills payable and rediscounts [3]	526	530	481	785	546	95	174	277

[1] Includes unspecified items.
[2] Includes rediscounts and overdrafts.
[3] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement beginning 1921.
[4] Includes exchanges for clearing house and other checks on local banks.
[5] Includes reserves for dividends, contingencies, etc.
[6] Includes certified and cashiers' checks, letters of credit, and travelers' checks and beginning 1927, dividend checks outstanding.
[7] Excludes dividends unpaid and certified and cashiers' checks outstanding.
[8] Includes postal savings deposits.

Source: Comptroller of the Currency, Treasury Department.

No. 274.—NATIONAL BANKS: Number and Total Resources, by States, December 31

Note.—Resources in millions and tenths of millions of dollars. Figures include reserve cities in each State

Division and State	Number of banks					Total resources				
	1920	1924	1926	1928	1929	1920	1924	1926	1928	1929
Grand total	8,130	8,049	7,912	7,635	7,408	22,709.4	24,381.3	25,683.8	30,589.2	28,882.5
Continental U. S.	8,124	8,043	7,906	7,629	7,403	22,788.7	24,369.0	25,669.1	30,573.5	28,839.6
New England	411	394	389	386	379	1,597.7	1,978.7	2,115.5	2,352.7	2,529.5
Maine	63	58	57	54	53	112.1	136.2	154.4	164.1	157.6
New Hampshire	56	54	55	56	56	63.7	74.0	79.8	88.0	87.8
Vermont	49	46	46	46	46	55.5	62.4	71.1	80.8	80.1
Massachusetts	160	157	155	154	152	1,059.4	1,357.5	1,466.3	1,614.9	1,818.9
Rhode Island	17	17	13	11	10	71.0	77.9	63.0	64.4	62.9
Connecticut	66	62	63	65	62	236.0	270.8	280.8	340.4	322.1
Middle Atlantic	1,573	1,654	1,712	1,728	1,710	8,791.3	9,649.8	10,187.3	12,602.7	11,118.8
New York	498	533	546	565	559	5,586.6	5,902.3	6,095.1	8,268.8	6,843.3
New Jersey	217	253	290	299	300	577.6	803.6	959.4	1,063.0	1,062.3
Pennsylvania	858	868	876	864	851	2,627.1	2,943.9	3,132.8	3,270.9	3,213.2
East North Central	1,396	1,382	1,372	1,330	1,305	3,946.9	3,899.9	4,204.2	4,734.7	4,295.8
Ohio	378	358	347	328	317	1,114.5	897.4	903.3	917.7	925.9
Indiana	253	247	240	224	219	420.7	420.9	438.3	482.6	480.2
Illinois	487	499	494	488	482	1,617.3	1,658.9	1,776.1	2,156.5	1,701.3
Michigan	116	122	134	134	130	407.4	501.9	571.6	640.8	661.2
Wisconsin	152	156	157	156	157	387.0	420.8	454.9	538.1	527.2
West North Central	1,598	1,514	1,384	1,314	1,264	2,458.7	2,483.1	2,340.3	2,472.3	2,330.8
Minnesota	340	330	286	278	266	626.9	700.1	648.3	697.5	694.7
Iowa	357	344	300	269	251	450.2	466.9	365.0	365.6	360.7
Missouri	133	131	136	134	130	673.4	663.9	662.7	696.9	576.9
North Dakota	180	165	146	133	122	99.3	112.1	97.9	96.9	90.7
South Dakota	136	114	100	96	92	104.8	90.8	75.5	82.8	81.6
Nebraska	187	173	160	156	157	266.3	254.3	232.1	254.7	257.2
Kansas	265	257	256	248	246	237.8	255.0	258.8	277.9	268.9
South Atlantic	733	732	702	669	629	1,674.0	1,811.6	1,947.9	1,990.8	1,863.5
Delaware	18	18	19	17	17	21.6	23.8	25.8	27.0	26.9
Maryland	92	84	84	83	80	295.6	291.9	311.7	309.9	296.1
Dist. of Col	15	13	13	12	12	111.4	144.5	157.4	173.6	171.0
Virginia	167	182	170	165	159	409.7	408.2	400.2	399.6	391.2
West Virginia	123	124	124	119	115	199.6	204.5	206.4	203.9	205.1
North Carolina	87	84	79	75	66	169.9	191.4	195.1	206.0	147.2
South Carolina	82	79	68	55	47	143.0	138.9	133.0	138.7	121.2
Georgia	94	93	82	81	76	194.9	205.3	206.2	285.2	282.8
Florida	55	55	63	62	57	128.3	203.3	312.1	246.9	222.2
East South Central	367	362	333	335	379	687.7	764.9	832.2	980.0	984.2
Kentucky	133	138	140	140	138	253.5	276.0	293.9	330.3	296.5
Tennessee	98	106	103	102	99	226.2	229.4	254.6	289.6	342.1
Alabama	105	102	104	107	107	152.3	180.0	191.8	261.8	249.6
Mississippi	31	36	36	36	35	55.7	79.5	91.9	98.3	96.1
West South Central	1,035	1,099	1,128	1,068	1,007	1,428.9	1,657.9	1,679.9	1,956.1	1,818.7
Arkansas	85	87	81	78	72	82.1	104.1	102.4	106.9	100.1
Louisiana	39	33	33	33	34	155.2	128.2	143.3	148.1	147.3
Oklahoma	355	407	358	325	292	360.7	425.6	414.1	470.6	446.5
Texas	556	572	656	632	609	830.9	1,000.0	1,020.1	1,230.5	1,124.4
Mountain	528	414	364	336	326	672.2	634.7	625.7	676.8	645.5
Montana	145	91	75	70	67	109.3	87.2	90.3	111.9	101.9
Idaho	86	67	55	44	43	82.4	62.3	61.8	56.0	56.0
Wyoming	47	32	32	26	25	64.8	46.9	47.4	46.8	44.7
Colorado	142	140	127	123	120	249.9	289.2	285.7	293.5	286.5
New Mexico	48	33	30	28	27	44.8	29.9	31.5	40.0	39.7
Arizona	21	19	15	15	14	35.0	29.2	28.1	37.7	36.9
Utah	28	21	20	20	20	69.0	61.5	61.0	67.3	68.6
Nevada	11	11	10	10	10	17.0	18.5	19.9	23.0	23.1
Pacific	493	472	472	413	404	1,531.7	1,499.5	1,736.3	2,307.4	3,252.8
Washington	94	111	107	110	105	257.3	305.8	319.1	357.0	350.9
Oregon	91	98	97	93	94	188.2	193.3	226.2	232.6	244.6
California	308	263	268	210	205	1,086.2	999.4	1,191.0	2,217.9	2,657.3
New York City[1]	*31*	*35*	*29*	*22*	*21*	*4,638.0*	*4,681.6*	*4,799.3*	*6,789.0*	*5,424.3*
Chicago[1]	*10*	*13*	*12*	*10*	*13*	*1,639.1*	*1,003.7*	*1,063.3*	*1,371.0*	*920.7*
Alaska	3	4	4	4	4	2.3	3.5	4.4	5.1	5.2
Hawaii	3	2	2	2	1	8.4	8.8	10.4	10.6	37.7

[1] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

No. 275.—NATIONAL BANKS: SUMMARY, BY STATES, DECEMBER 31, 1929

NOTE.—All money figures in thousands of dollars. Figures include reserve cities in each State

Divison and State	Number of banks	Total resources or liabilities	Loans and discounts [1]	Investments	Reserve with Federal reserve banks	Capital, surplus, and undivided profits (net) [2]	National bank circulation	Demand deposits	Time deposits
Grand total	7,408	28,882,483	15,160,227	6,457,843	1,348,046	3,749,892	646,420	11,089,432	8,434,442
Continental U. S.	7,403	28,839,582	15,136,414	6,447,914	1,348,046	3,743,846	645,562	11,074,485	8,419,021
New England	379	2,529,491	1,413,016	491,797	107,516	344,854	46,342	1,045,492	684,509
Maine	53	157,503	75,354	63,842	5,298	20,206	4,744	34,408	91,168
New Hampshire	56	87,800	44,851	26,479	3,739	14,907	4,661	38,243	21,458
Vermont	46	80,142	42,314	28,148	2,748	11,062	4,256	16,833	42,600
Massachusetts	152	1,818,946	1,020,819	290,482	82,185	233,034	19,083	782,412	423,507
Rhode Island	10	62,943	35,368	18,944	2,486	12,103	3,745	26,206	15,679
Connecticut	62	322,067	194,310	63,902	11,010	53,452	9,853	147,360	90,097
Middle Atlantic	1,710	11,118,778	5,481,206	2,662,745	540,077	1,634,363	170,806	4,164,230	2,825,544
New York	559	6,843,331	3,221,953	1,440,150	366,089	974,021	65,388	2,735,216	1,212,257
New Jersey	300	1,062,266	602,064	295,673	40,645	138,426	23,068	363,168	484,125
Pennsylvania	851	3,213,181	1,657,189	926,922	133,343	521,916	82,350	1,065,846	1,129,162
East North Central	1,305	4,295,795	2,418,357	888,385	206,455	526,243	126,827	1,880,572	1,370,451
Ohio	317	925,901	513,715	211,479	40,377	128,589	35,822	340,751	303,060
Indiana	219	480,213	262,365	111,128	20,119	61,323	22,705	183,688	155,759
Illinois	482	1,701,325	954,674	312,834	99,627	200,208	35,747	737,142	445,372
Michigan	130	661,150	384,256	137,650	24,295	73,132	16,531	232,813	263,218
Wisconsin	157	527,206	303,347	115,794	22,037	62,991	16,022	186,178	203,042
West North Central	1,264	2,330,847	1,188,749	573,115	123,289	236,611	58,642	976,971	663,059
Minnesota	266	694,709	343,483	187,375	36,271	68,412	13,986	249,806	241,726
Iowa	251	360,730	183,156	94,127	15,788	35,810	13,474	131,997	130,374
Missouri	130	576,929	312,035	119,933	35,255	61,204	9,606	266,617	113,763
North Dakota	122	90,735	44,717	26,712	3,810	9,447	3,156	33,982	39,131
South Dakota	92	81,632	37,150	26,284	3,772	7,737	1,886	36,464	28,901
Nebraska	157	257,194	135,405	53,149	14,024	23,816	7,032	114,355	55,359
Kansas	246	268,918	132,803	65,535	14,369	30,185	9,502	143,750	53,805
South Atlantic	629	1,863,524	1,057,795	380,352	78,914	255,395	67,135	646,940	634,530
Delaware	17	26,899	13,099	9,016	1,010	5,341	1,018	9,038	9,232
Maryland	80	296,065	151,244	78,094	12,387	37,296	7,251	94,577	111,907
Dist. of Col.	12	171,005	91,790	34,716	9,108	22,665	4,860	72,946	45,759
Virginia	159	391,203	257,054	62,200	15,008	57,007	19,192	118,834	144,892
West Virginia	115	205,074	129,435	37,566	8,165	29,469	10,171	70,897	73,908
North Carolina	66	147,156	91,253	21,913	5,573	22,896	7,030	48,099	51,575
South Carolina	47	121,171	66,150	23,284	4,259	14,799	5,315	37,391	46,174
Georgia	76	282,768	167,690	40,912	14,496	38,490	7,700	105,502	79,214
Florida	57	222,183	89,480	72,741	8,848	27,432	4,598	88,956	71,869
East South Central	370	984,242	597,133	162,026	40,206	132,066	45,922	358,727	301,159
Kentucky	138	299,490	184,838	56,843	11,046	38,453	14,854	111,424	90,921
Tennessee	99	342,078	213,635	41,180	14,523	45,930	14,847	112,614	108,865
Alabama	107	249,616	145,795	42,581	10,545	37,456	13,276	96,475	67,543
Mississippi	35	93,058	52,865	21,422	4,092	10,227	2,945	38,214	33,830
West South Central	1,007	1,818,676	980,455	356,812	91,108	214,331	59,644	874,983	336,783
Arkansas	72	100,080	52,058	23,750	4,047	12,267	3,926	40,388	32,173
Louisiana	34	147,778	89,279	14,936	7,072	15,943	6,177	71,163	21,171
Oklahoma	202	446,469	205,996	124,384	24,166	38,537	6,380	219,463	93,029
Texas	699	1,124,369	613,122	193,742	55,823	146,584	43,159	543,969	190,410
Mountain	326	645,451	304,210	172,429	32,305	59,548	15,461	300,715	198,455
Montana	67	101,912	46,646	31,316	4,854	10,099	2,308	44,135	38,561
Idaho	43	49,995	24,827	12,948	2,345	4,311	1,389	24,659	16,300
Wyoming	25	44,728	21,365	11,816	2,034	4,720	1,485	20,044	13,863
Colorado	120	280,548	130,553	73,354	13,986	25,923	4,325	129,032	87,237
New Mexico	27	39,703	18,229	11,159	2,236	3,116	1,399	24,767	8,104
Arizona	14	36,866	15,692	11,981	1,730	3,630	1,119	19,198	11,236
Utah	20	68,601	35,076	14,130	4,179	5,473	2,264	30,592	14,578
Nevada	10	23,098	11,822	5,725	941	2,366	1,162	8,288	8,576
Pacific	404	3,259,778	1,715,493	759,753	128,176	340,435	54,783	1,025,955	1,404,531
Washington	105	350,917	170,180	95,994	16,654	37,614	11,378	156,711	104,083
Oregon	94	244,552	102,087	88,855	11,980	24,049	5,694	101,013	90,407
California	205	2,657,309	1,443,226	574,904	99,542	278,772	37,721	768,231	1,210,041
New York City [3]	21	5,424,334	2,480,079	950,591	309,076	783,807	33,227	2,305,182	528,948
Chicago [3]	13	920,723	558,966	75,975	66,921	100,745	6,180	464,567	121,058
Alaska	4	5,240	2,253	1,873	----------	515	108	2,312	1,911
Hawaii	1	37,661	21,560	8,056	----------	5,531	750	12,635	13,510

[1] Includes rediscounts and overdrafts. [2] Excludes reserve for dividends, contingencies, etc.
[3] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

No. 276.—NATIONAL BANKS: Loans and Discounts, by Reserve Cities and States, December 31

NOTE.—Notes and bills rediscounted and overdrafts are included. Acceptances of other banks and bills of exchange or drafts sold with indorsement are excluded

[All figures in thousands of dollars]

City, State, or Territory	1927	1928	1929
Grand total	14,647,042	15,291,269	15,160,227
Continental U. S.	14,641,073	15,285,144	15,136,414
New York City [1]	2,748,299	2,829,856	2,480,079
Chicago [1]	738,772	839,654	558,966
Other reserve cities	4,846,355	4,986,570	5,448,178
Boston	536,097	553,726	720,780
Albany	43,856	43,287	(2)
Brooklyn and Bronx	60,879	47,434	26,681
Buffalo	15,228	20,939	5,066
Philadelphia	481,317	478,865	488,530
Pittsburgh	198,470	229,315	239,770
Baltimore	94,884	95,778	84,505
Washington	90,148	95,434	91,790
Richmond	59,059	39,353	37,695
Charlotte	16,390	17,452	15,022
Atlanta	61,910	62,607	66,790
Savannah	44,344	50,384	53,437
Jacksonville	40,202	31,356	31,803
Birmingham	49,082	53,782	49,980
New Orleans	28,022	30,551	31,469
Dallas	98,932	108,096	101,589
El Paso	14,225	16,731	16,404
Fort Worth	48,307	52,164	53,865
Galveston	20,536	21,840	15,883
Houston	85,327	87,446	88,526
San Antonio	35,358	41,535	34,405
Waco	12,308	12,331	12,351
Little Rock	3,633	3,114	3,433
Louisville	65,224	76,136	68,391
Memphis	13,821	11,758	37,439
Nashville	46,930	52,007	56,832
Cincinnati	45,555	52,446	58,553
Cleveland	62,554	62,030	98,250
Columbus	55,182	40,962	50,031
Toledo	8,500	8,474	7,032
Indianapolis	57,206	56,104	57,460
Chicago	40,285	53,912	60,992
Peoria	19,687	20,132	21,524
Detroit	121,082	160,035	200,047
Grand Rapids	22,966	24,018	14,986
Milwaukee	101,226	147,203	143,088
Minneapolis	123,966	118,812	134,149
St. Paul	69,508	73,345	72,909
Cedar Rapids	14,784	13,417	14,229
Des Moines	20,728	21,561	28,136
Dubuque	5,808	5,673	5,157
Sioux City	16,650	16,010	17,610
Kansas City, Mo.	83,665	82,447	82,889
St. Joseph	16,153	16,640	14,090
St. Louis	247,560	220,218	154,949
Lincoln	14,048	14,642	17,026
Omaha	55,625	57,054	57,261
Kansas City, Kans.	6,951	7,524	7,307
Topeka	7,028	7,156	7,864
Wichita	17,293	16,553	19,880
Helena	5,196	5,023	4,994
Denver	70,777	74,484	74,854
Pueblo	5,569	5,024	5,787
Muskogee	5,521	5,655	5,727
Oklahoma City	44,328	47,273	47,946
Tulsa	56,348	64,509	70,572
Seattle	61,255	67,958	76,393
Spokane	27,820	24,075	18,007
Portland	49,792	44,708	55,619
Los Angeles	382,766	340,648	492,102
Oakland	19,891	23,243	22,324
San Francisco	590,172	618,006	755,607
Ogden	5,328	6,235	5,561
Salt Lake City	22,964	19,740	22,632
Country banks	6,307,647	6,629,064	6,678,004
New England	643,339	684,998	686,236
Maine	72,426	77,636	75,354
New Hampshire	40,005	43,233	44,851
Vermont	37,705	41,654	42,314
Massachusetts	285,345	289,153	294,039
Rhode Island	33,537	33,790	35,368
Connecticut	179,821	199,532	194,310
Middle Atlantic	1,929,283	2,118,641	2,241,080
New York	570,668	631,748	710,127
New Jersey	524,646	584,906	602,064
Pennsylvania	833,969	901,987	928,889
East North Central	1,070,807	1,130,449	1,149,468
Ohio	295,341	311,591	299,189
Indiana	179,494	196,537	204,905
Illinois	299,374	308,129	312,892
Michigan	148,220	161,863	169,223
Wisconsin	148,378	152,419	160,259
West North Central	562,188	560,234	555,203
Minnesota	135,845	135,267	136,335
Iowa	129,398	127,019	118,024
Missouri	52,460	54,171	60,107
North Dakota	47,361	46,249	44,717
South Dakota	35,208	36,064	37,160
Nebraska	59,081	60,388	61,118
Kansas	102,235	101,076	97,752
South Atlantic	750,578	743,875	676,664
Delaware	12,477	12,431	13,699
Maryland	60,736	64,267	66,739
Virginia	216,838	223,415	219,359
West Virginia	129,747	128,479	129,435
North Carolina	110,493	110,980	76,231
South Carolina	80,108	76,732	66,150
Georgia	59,780	51,372	47,463
Florida	80,399	76,199	57,588
East South Central	371,624	384,505	384,432
Kentucky	114,498	115,399	116,447
Tennessee	111,280	112,026	119,314
Alabama	91,580	101,142	95,806
Mississippi	54,266	55,938	52,865
West South Central	496,549	510,222	478,285
Arkansas	53,877	52,751	48,625
Louisiana	52,020	56,721	57,810
Oklahoma	92,973	91,791	81,751
Texas	296,779	308,959	290,099
Mountain	187,821	199,934	190,382
Montana	42,087	47,324	41,652
Idaho	28,926	27,203	24,827
Wyoming	21,074	21,800	21,365
Colorado	48,371	49,794	49,912
New Mexico	16,884	18,877	18,229
Arizona	13,943	16,210	15,692
Utah	6,286	7,042	6,883
Nevada	10,250	11,684	11,822
Pacific	289,958	296,206	295,441
Washington	65,160	69,399	75,780
Oregon	44,187	45,810	46,468
California	180,611	180,997	173,193
Alaska	2,063	2,189	2,253
Hawaii	3,906	3,936	21,560

[1] Central reserve city banks. [2] Terminated as a reserve city effective July 1, 1929.

Source: Comptroller of the Currency, Treasury Department.

No. 277.—NATIONAL BANKS: Classification of Loans and Discounts as of December 31

[All figures in thousands of dollars]

Class	1928	1929
Total[1]	15,291,269	15,160,227
Acceptances of other banks payable in United States	94,693	152,702
Notes, bills, acceptances, and other instruments evidencing loans payable in foreign countries	61,256	39,049
Commercial paper bought in open market	301,231	241,249
Loans to banks and trust companies	402,268	409,212
Loans secured by United States Government and other securities (exclusive of loans to banks)	5,527,327	5,271,033
Real estate loans, mortgages, deeds of trust, and other liens on real estate:		
On farm land	309,863	299,477
On other real estate	983,698	1,183,093
All other loans, including reporting banks' own acceptances purchased or discounted [1]	7,610,933	7,564,412
MEMORANDA		
Loans secured by United States Government obligations	185,603	129,777
Total loans eligible for rediscounts with Federal reserve banks	3,008,653	2,957,992

[1] Includes overdrafts.

Source: Comptroller of the Currency, Treasury Department.

No. 278.—NATIONAL BANKS: Investments, by Classes

Note.—Data are as of June 30 prior to 1928; thereafter as of Dec. 31

[All figures in millions and tenths of millions of dollars]

Class of security	1914	1918	1920	1922	1924	1926	1928	1929
Total	1,914.9	3,957.2	4,186.5	4,563.3	5,142.3	5,842.3	7,127.3	6,457.8
Bonds, domestic:								
U. S. Government[1]	799.3	2,116.8	2,269.6	2,285.5	2,481.8	2,469.3	3,008.7	2,612.1
State and local government	176.0	320.4	338.4	414.4	505.5	647.8	773.5	792.1
Railroad	341.7	406.1	416.4	486.5	573.6	631.4	642.4	579.0
Other public-service corporations	218.2	267.3	283.1	318.5	397.6	545.0	720.8	687.1
All other bonds	[2] 284.4	272.0	309.8	423.0	575.7	772.8	932.4	856.9
Stocks, domestic:								
Federal reserve banks		57.0	65.3	70.6	72.3	78.7	92.3	97.4
Other corporations	[3] 43.7	42.7	49.4	59.2	74.8	90.6	102.7	102.8
Claims, warrants, judgments, etc	35.9	50.6	67.7	87.7	90.6	79.4	166.6	134.8
Collateral trust and other corporation notes		140.5	145.9	168.1	105.9	154.8	141.0	112.1
Foreign securities:								
Government bonds	10.0	227.6	180.0	162.1	179.5	225.9	265.4	233.1
All other	5.6	56.2	61.0	87.9	85.1	146.5	261.5	250.4

[1] Includes all United States securities.

[2] Includes various securities amounting to $56,781,000 with the Treasury as security for public deposits.

[3] Includes $900,000 erroneously shown by banks on face of banks' reports as bonds, etc.

Source: Comptroller of the Currency, Treasury Department.

No. 279.—NATIONAL BANKS: DIVIDENDS AND EARNINGS

NOTE.—The dividends and earnings are for years ending Mar. 1, prior to 1907, and for years ending June 30 thereafter; ratios are based on the capital and surplus as reported at the end of the fiscal year. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii

Yearly average or year (see note above)	Amount (millions of dollars)		Ratio (per cent)			Year (see note above)	Amount (millions of dollars)		Ratio (per cent)		
	Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus		Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus
1891–1895	62.7	49.0	7.3	5.4	6.9	1916	157.5	114.7	10.76	6.38	8.76
1896–1900	52.4	45.0	7.2	5.1	6.0	1917	194.3	125.5	11.61	6.79	10.52
1901–1905	102.2	64.0	9.2	6.2	10.0	1918	212.3	129.8	11.82	6.78	11.09
1905	105.2	71.0	9.2	6.1	9.0	1919	240.4	135.6	12.15	6.83	12.11
1906	113.7	80.8	10.4	6.8	9.5	1920	282.1	147.8	12.10	6.70	12.78
1907 [1]	219.2	144.4	17.2	10.8	16.4	1921	216.1	158.2	12.42	6.88	9.40
1908	132.3	98.1	10.89	6.75	9.10	1922	183.7	165.9	12.69	7.04	7.79
1909	131.2	93.0	10.12	6.18	8.72	1923	203.5	179.2	13.48	7.47	8.48
1910	154.2	105.9	10.99	6.65	9.67	1924	195.7	163.7	12.27	6.78	8.11
1911	157.0	114.7	11.38	6.83	9.35	1925	223.9	165.0	12.05	6.63	9.00
1912	149.1	120.3	11.66	6.93	8.59	1926	249.2	173.8	12.30	6.65	9.54
1913	161.0	119.9	11.40	6.75	9.06	1927	252.3	180.8	12.26	6.62	9.24
1914	149.3	120.9	11.37	6.80	8.39	1928	270.2	205.4	12.88	6.81	8.96
1915	127.1	113.7	10.63	6.33	7.08	1929	301.8	222.7	13.68	7.17	9.72

[1] Mar. 1, 1906, to July 1, 1907.

Source: Comptroller of the Currency, Treasury Department.

No. 280.—BANKS OTHER THAN NATIONAL: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Porto Rico, and Philippine Islands are included

[All figures, except number of banks, in thousands of dollars]

	1910	1915	1920	1925	1927	1928
Number reporting	15,950	19,457	22,109	20,769	19,265	18,522
Resources	**12,553,696**	**16,008,445**	**29,667,855**	**37,706,174**	**41,550,615**	**43,066,089**
Loans and discounts [1]	7,065,907	9,093,528	17,263,796	21,073,990	23,348,344	24,437,341
Investments	3,111,410	3,813,503	7,201,060	9,669,669	10,861,875	11,624,366
Lawful reserve	1,191,401	1,644,904	2,712,040	1,392,046	1,526,902	1,652,457
Other amounts due from banks				2,088,561	1,999,498	1,730,441
Exchanges for clearing house, checks, and other cash items	137,664	126,589	533,952	1,042,599	1,042,167	780,766
Cash on hand	558,356	599,945	626,027	591,081	643,092	572,732
All other	488,958	729,856	1,330,980	1,847,628	2,128,137	2,258,986
Liabilities	**12,553,696**	**16,008,445**	**29,667,855**	**37,706,174**	**41,550,615**	**43,066,089**
Capital stock	890,377	1,094,322	1,478,473	1,800,276	1,902,325	1,931,666
Surplus	903,060	1,010,829	1,423,962	2,054,406	2,507,582	2,725,834
Undivided profits [2]	191,136	325,022	429,473	525,728	622,785	668,924
Individual deposits [3]	9,893,161	12,539,469	23,596,812	30,394,519	32,859,322	33,944,265
Due to banks [4]	428,264	668,671	948,856	1,023,114	2,013,353	1,792,625
Bills payable and rediscounts	83,743	128,094	1,078,792	446,295	461,466	764,961
All other	163,955	242,037	711,987	861,836	1,183,782	1,237,814

[1] Includes rediscounts and overdrafts.
[2] Includes reserves for taxes, interest, etc., accrued and unpaid, and for dividends, contingencies, etc.
[3] Includes postal savings; excludes certified and cashiers' checks outstanding and dividends unpaid.
[4] Includes certified and cashiers' checks and, in 1928, dividend checks outstanding.

No. 280.—Banks Other Than National: Principal Resources and Liabilities—Continued

	1929					
	Total	State banks	Loan and trust companies	Stock savings banks	Mutual savings banks	Private banks
Number reporting	17,794	14,437	1,608	747	611	391
Resources	44,732,277	16,924,315	16,155,175	1,589,845	10,006,452	156,490
Loans and discounts [1]	26,621,803	10,390,739	9,319,464	1,006,555	5,801,480	94,556
Investments	10,692,203	3,084,672	3,421,673	382,262	3,775,770	27,826
Lawful reserve	1,847,249	866,173	923,415	16,888	35,986	4,787
Other amounts due from banks	1,713,338	903,315	553,577	93,960	150,137	12,349
Exchanges for clearing house, checks, and other cash items	903,766	298,859	594,823	6,060	5,946	1,078
Cash on hand	521,925	313,997	156,580	17,345	31,495	2,508
All other	2,428,993	957,560	1,185,643	66,775	205,629	13,386
Liabilities	44,732,277	16,924,315	16,155,175	1,589,845	10,006,452	156,490
Capital stock	2,169,603	1,155,878	941,333	62,487	----------	9,905
Surplus	3,132,046	804,400	1,454,504	40,513	823,693	9,536
Undivided profits [2]	759,341	335,030	242,084	16,256	162,481	2,590
Individual deposits [3]	34,336,539	12,810,461	10,959,549	1,450,163	9,003,118	107,248
Due to banks [4]	1,918,145	763,199	1,143,015	8,479	228	3,224
Bills payable and rediscounts	916,196	454,842	437,992	5,336	1,366	16,660
All other	1,499,807	494,505	975,798	6,611	15,566	7,327

[1] Includes rediscounts and overdrafts.
[2] Includes reserves for taxes, interest, etc., accrued and unpaid, and for dividends, contingencies, etc.
[3] Includes postal savings; excludes certified and cashiers' checks outstanding and dividends unpaid.
[4] Includes certified and cashiers' checks, dividend checks, and cash letters of credit and travelers' checks outstanding.

No. 281.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN BANKS AND TRUST COMPANIES: Continental United States

Note.—Savings and other time depositors in State banks and trust companies, stock savings and private banks, are not shown for earlier years, as data are very incomplete. Figures for this class of banks and totals exclude 6 States in 1926 and 1927 and 4 in 1928 and 1929 and include for a number of others incomplete or estimated data or data for an earlier year

On or about June 30—	Savings and other time deposits (millions of dollars) [1]				Savings and other time depositors (thousands)			
	All banks	Mutual savings banks	State, etc., banks [2]	National banks	All banks	Mutual savings banks	State, etc., banks [2]	National banks
1910	6,835	[3] [4]	[3]	1,014	----------	[4]	----------	2,087
1911	7,963	3,459	3,024	1,480	----------	7,691	----------	2,341
1912	8,404	3,609	3,260	1,536	----------	7,880	----------	2,675
1913	8,548	3,812	3,368	1,369	----------	8,034	----------	2,965
1914	8,712	3,910	3,348	1,454	----------	7,901	----------	[4]
1915	8,807	3,945	3,541	1,321	----------	7,643	----------	[4]
1916	9,459	4,102	3,641	1,716	----------	7,917	----------	[4]
1917	10,876	4,339	4,364	2,173	----------	8,651	----------	[4]
1918	11,535	4,382	4,817	2,336	----------	8,326	----------	[4]
1919	13,040	4,732	5,532	2,776	----------	9,040	----------	6,763
1920	15,314	5,058	6,793	3,463	----------	9,079	----------	7,980
1921	16,501	5,568	7,265	3,677	----------	9,662	----------	8,109
1922	17,579	5,818	7,687	4,074	----------	9,687	----------	8,873
1923	19,727	6,273	8,767	4,686	----------	10,045	----------	9,899
1924	21,189	6,693	9,337	5,158	----------	10,384	----------	10,068
1925	23,134	7,152	10,172	5,810	----------	10,639	----------	11,865
1926	24,696	7,525	10,993	6,178	46,762	10,950	23,242	12,570
1927	26,091	8,040	10,963	7,088	48,355	11,190	22,828	14,337
1928	28,413	8,668	11,095	8,050	[5] 53,188	11,643	25,364	16,181
1929	28,218	8,904	11,426	7,889	[5] 52,764	11,875	25,467	15,422

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Includes State, stock savings, and private banks and trust companies.
[3] Combined data for other than national banks included in total.
[4] For data for 1910 and earlier years from reports of the Comptroller of Currency, see Table 283.
[5] Includes depositors in State chartered banks in Ohio and Idaho (2,376,000 in 1928 and 2,400,000 in 1929) not included in 1926 and 1927.

Sources: Table 280, Comptroller of the Currency; Table 281, American Bankers' Association.

No. 282.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN ALL BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

Division and State	Savings and other time deposits (millions of dollars)							Savings and other time depositors (thousands)	
	1910 [1]	1915	1920	1925	1927	1928	1929	1928	1929
Continental U. S.	6,835.5	8,307.4	15,314.1	23,134.1	26,090.9	28,413.0	28,217.7	58,188	62,764
New England	1,480.6	1,850.9	2,639.9	3,750.2	4,291.5	4,631.5	4,720.4	7,426	7,579
Maine	128.6	160.3	204.6	265.7	298.0	313.1	315.9	657	667
New Hampshire	88.7	112.2	147.8	190.5	213.8	228.2	236.6	382	390
Vermont	74.3	101.7	133.1	173.4	193.2	206.5	211.1	326	375
Massachusetts	783.6	[2] 988.6	[2] 1,471.6	2,139.5	2,439.6	2,652.7	2,710.8	4,140	4,198
Rhode Island	123.9	158.0	215.4	299.2	351.3	368.4	360.0	400	405
Connecticut	281.5	330.0	467.5	681.9	795.6	862.6	885.9	1,521	1,548
Middle Atlantic	2,652.4	3,193.0	4,705.3	8,773.6	10,228.7	11,252.8	11,211.1	18,215	18,768
New York	1,825.3	2,223.4	2,807.8	5,546.1	6,474.7	7,119.2	7,183.5	[3] 9,041	9,508
New Jersey	234.4	297.2	576.9	1,040.0	1,247.5	1,356.8	1,301.8	2,748	2,794
Pennsylvania	592.7	672.4	1,320.6	2,187.5	2,516.5	2,776.8	2,725.8	6,426	6,376
East North Central	1,082.1	1,472.7	2,779.3	4,074.3	4,742.3	5,229.2	5,087.9	12,585	12,602
Ohio	334.0	433.0	811.9	1,154.1	1,275.7	1,509.1	1,421.3	[4] 3,120	3,048
Indiana	75.4	109.3	281.2	259.5	404.5	409.6	409.4	[5] 306	[5] 317
Illinois	351.7	453.9	685.1	1,258.6	1,456.4	1,610.4	1,533.1	4,881	4,977
Michigan	192.7	288.8	651.3	939.0	1,093.9	1,164.9	1,184.3	[7] 2,694	2,773
Wisconsin	128.3	187.7	349.8	463.1	511.8	535.2	539.8	1,494	1,487
West North Central	609.5	856.4	1,803.1	1,976.1	1,806.9	1,903.7	1,804.5	4,069	2,857
Minnesota	140.7	225.0	485.3	536.6	525.8	532.7	517.0	1,102	978
Iowa	194.6	251.7	551.4	524.9	436.4	491.7	484.3	[8] 1,000	775
Missouri	113.3	150.2	247.4	372.2	326.6	412.5	382.5	[9] 346	[9] 273
North Dakota	34.4	51.9	121.5	95.9	80.4	76.0	66.7	104	75
South Dakota	39.1	47.0	134.9	102.1	85.8	68.6	71.1	92	78
Nebraska	54.0	76.4	155.4	213.2	199.5	192.1	166.9	[7] 462	360
Kansas	33.4	54.2	107.2	131.2	122.4	130.1	115.4	363	318
South Atlantic	327.6	436.8	1,034.8	1,418.7	1,540.8	1,659.0	1,573.7	4,011	3,743
Delaware	11.5	17.5	35.9	50.1	56.9	61.3	62.8	121	123
Maryland	125.1	153.3	265.1	385.8	435.7	500.9	490.5	985	952
Dist. of Columbia	8.4	18.8	33.4	50.8	83.8	96.3	98.4	334	336
Virginia	45.0	56.9	152.8	216.8	243.8	256.9	247.3	[7] 613	[6] 523
West Virginia	47.5	59.6	111.4	150.6	163.7	168.8	164.6	460	426
North Carolina	19.6	31.1	121.7	142.3	156.7	167.7	155.3	489	450
South Carolina	25.8	30.7	112.0	112.0	92.1	97.5	86.9	[7] 208	[6] 195
Georgia	29.2	46.0	137.5	132.0	139.8	157.0	146.5	[7] 453	434
Florida	15.5	22.9	65.1	148.3	163.3	152.6	127.0	348	299
East South Central	80.2	117.0	321.7	506.9	586.8	623.0	608.9	1,020	1,081
Kentucky	35.6	39.2	96.1	[10] 176.4	[11] 191.7	222.9	218.2	[7] 395	433
Tennessee	24.9	40.9	104.2	155.2	172.0	183.8	176.0	[9] 172	[9] 152
Alabama	9.3	19.2	60.2	93.1	105.7	114.8	113.1	[7] 321	[6] 331
Mississippi	10.4	17.7	61.2	82.2	97.4	101.5	99.6	[7] 132	145
West South Central	65.7	100.8	437.1	440.1	493.4	580.0	589.2	1,101	1,050
Arkansas	6.4	10.8	34.3	65.2	73.1	74.9	75.8	154	150
Louisiana	31.8	38.5	99.5	123.3	129.4	135.3	130.5	393	[6] 391
Oklahoma	10.0	18.4	211.1	87.3	95.1	106.3	113.9	[7] 154	146
Texas	17.5	33.1	92.2	164.3	185.8	213.5	219.0	395	363
Mountain	105.1	146.5	348.2	331.2	346.7	385.9	400.4	758	712
Montana	14.3	30.3	75.5	55.8	63.0	74.2	77.4	110	93
Idaho	8.1	9.7	32.5	25.8	20.7	33.9	34.1	74	74
Wyoming	7.1	9.6	21.0	20.9	[12] 22.1	24.7	26.3	43	[6] 41
Colorado	42.2	48.8	102.9	116.3	108.9	116.8	116.4	[9] 190	[9] 175
New Mexico	5.6	6.7	13.2	7.3	8.5	10.0	11.8	43	20
Arizona	2.4	8.4	37.0	26.4	27.3	31.9	35.6	59	64
Utah	21.4	27.5	51.6	61.2	66.8	72.8	75.1	213	219
Nevada	4.0	6.1	14.5	17.5	20.3	21.6	23.7	26	26
Pacific	432.4	633.3	1,244.8	1,883.3	2,083.7	2,197.5	2,268.7	4,005	4,372
Washington	53.1	74.6	159.4	181.3	199.9	213.1	210.7	494	493
Oregon	22.6	34.0	76.1	105.9	115.7	123.1	123.1	295	298
California	356.7	524.7	1,009.3	1,576.1	1,768.1	1,861.3	1,934.9	3,216	3,581

[1] Includes demand certificates of deposit for national banks.
[2] Data for mutual savings banks as of Oct. 31, 1915 and 1920.
[3] Includes 1927 data for all except mutual savings and national banks.
[4] Includes 1927 figures for State banks, 1925 for mutual savings.
[5] National and mutual savings banks only, data included for the latter being 1926 figures.
[6] Data for banks other than national are for the latest year available, as follows: South Carolina and Alabama, 1926; Virginia, 1927; Louisiana and Wyoming, 1928.
[7] Data for banks other than national are for the latest year available, as follows: Michigan, Nebraska, Virginia, Georgia, and Oklahoma, 1927; South Carolina and Alabama, 1926; Kentucky, 1923; Mississippi, 1925.
[8] Includes national and stock savings banks only, data for the latter being 1925 estimates.
[9] National banks only. [10] Includes 1924 data for State banks.
[11] Includes 1925 data for all except national. [12] Includes 1926 data for all except national.

Source: American Bankers Association.

No. 283.—SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS, CONTINENTAL UNITED STATES, 1820 TO 1910

NOTE.—Data for later years are as of June 30 or about June 30. In earlier years reports were of various dates. Prior to 1900 data include both mutual and stock savings banks; beginning 1900 they are for mutual savings banks only, which in that year had about 99 per cent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see Table 281

[Depositors in thousands, deposits in millions and tenths of millions of dollars]

Year	Depositors	Savings deposits	Year	Depositors	Savings deposits	Year	Depositors	Savings deposits
1820	9	1.1	1885	3,071	1,095.2	1898	5,239	2,027.2
1830	38	7.0	1886	3,159	1,141.5	1899	5,524	2,179.5
1840	79	14.1	1887	3,418	1,235.2	1900	5,370	2,134.5
1850	251	43.4	1888	3,838	1,364.2	1901	5,612	2,260.3
1860	694	149.3	1889	4,022	1,425.3	1902	5,871	2,380.2
1865	931	242.6	1890	4,259	1,524.8	1903	6,117	2,512.5
1870	1,631	649.9	1891	4,533	1,623.1	1904	6,286	2,602.0
1875	2,360	924.0	1892	4,782	1,712.8	1905	6,464	2,736.5
1880	2,336	819.1	1893	4,831	1,785.2	1906	6,753	2,908.7
1881	2,529	892.0	1894	4,778	1,748.0	1907	7,071	3,055.3
1882	2,710	966.8	1895	4,876	1,810.6	1908	7,137	3,065.7
1883	2,876	1,024.0	1896	5,065	1,907.2	1909	7,205	3,144.6
1884	3,015	1,073.3	1897	5,201	1,939.4	1910	7,482	3,360.6

Source: Comptroller of the Currency, Treasury Department.

NO. 284.—MUTUAL SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF DEPOSITS ON OR ABOUT JUNE 30

NOTE.—There are no mutual savings banks in States not shown

[Deposits in thousands of dollars]

Division and State	Depositors			Deposits		
	1927	1928	1929	1927	1928	1929
Continental United States	11,189,978	11,643,335	11,875,299	8,039,784	8,688,090	8,903,557
New England	4,582,283	4,706,600	4,720,801	2,888,647	3,126,649	3,242,035
Maine	229,536	229,107	225,782	110,511	113,663	113,402
New Hampshire	248,551	[1] 331,672	292,223	156,273	187,481	194,638
Vermont	126,892	126,883	127,961	92,082	97,126	98,576
Massachusetts	2,910,872	2,931,837	2,973,468	1,808,760	1,955,956	2,042,506
Rhode Island	194,147	199,374	196,386	153,522	165,650	168,081
Connecticut	872,285	887,667	904,981	567,469	606,773	624,832
Middle Atlantic	5,310,186	6,091,933	6,294,815	4,649,031	5,005,471	5,104,093
New York	4,777,761	4,938,035	5,116,151	4,036,074	4,301,347	4,403,046
New Jersey	423,305	501,937	500,874	241,789	281,156	200,325
Pennsylvania	609,120	651,361	677,790	371,168	422,968	440,727
East North Central	148,904	148,921	132,838	117,548	129,164	137,521
Ohio	[2] 97,838	[2] 97,838	128,496	86,700	97,290	104,466
Indiana	[2] 33,374	[2] 33,374	[2] 33,374	21,928	24,182	24,505
Wisconsin	[2] 15,692	17,709	20,968	6,920	7,692	8,550
West North Central	137,616	140,023	141,063	64,779	69,594	71,797
Minnesota	137,616	140,023	141,063	64,779	69,594	71,797
South Atlantic	362,771	398,856	372,839	194,037	211,975	218,840
Delaware	46,921	47,480	47,691	23,404	24,400	24,641
Maryland	315,850	351,406	325,148	170,632	187,575	194,199
Pacific	150,218	156,972	162,943	125,742	125,237	129,286
Washington	78,173	84,923	93,074	48,210	50,416	53,739
California	72,045	72,049	69,869	77,532	74,821	75,527

[1] Includes depositors in trust companies. [2] 1925 figures. [3] 1926 figures.

Source: American Bankers' Association

No. 285.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1911 TO 1929

NOTE.—In addition to main offices there were 794 branches and stations in operation on June 30, 1929. Data include Alaska, Hawaii, Porto Rico, and Virgin Islands

Year ended June 30—	Offices in operation at close of period	Deposits made during year	Withdrawals made during year	Balance to credit of depositors at close of period	Number of depositors at close of period	Savings stamps			Balance on deposit in banks at close of period
						Sold during year	Redeemed during year	Outstanding at close of period	
		Dollars	*Dollars*	*Dollars*		*Dollars*	*Dollars*	*Dollars*	*Dollars*
1911	400	778, 129	100, 984	677, 145	11, 918	4, 826	2, 938	1, 888	571, 671
1912	9, 907	30, 732, 357	11, 172, 418	20, 237, 084	243, 801	166, 479	134, 346	34, 021	18, 556, 042
1913	12, 158	41, 701, 383	28, 119, 597	33, 818, 870	331, 006	161, 291	154, 784	40, 528	31, 512, 337
1914	9, 639	47, 815, 249	38, 189, 848	43, 444, 271	388, 511	150, 390	141, 904	49, 014	40, 019, 673
1915	8, 832	70, 314, 558	48, 074, 421	65, 684, 708	525, 414	157, 424	150, 232	56, 206	60, 086, 319
1916	7, 701	76, 775, 868	56, 440, 691	86, 019, 885	602, 937	181, 173	168, 833	68, 546	80, 775, 586
1917	6, 423	132, 112, 217	86, 177, 406	131, 954, 696	674, 728	171, 392	168, 600	71, 338	126, 840, 820
1918	5, 926	116, 893, 259	100, 376, 456	148, 471, 499	612, 188	117, 864	130, 133	59, 068	140, 658, 608
1919	5, 715	136, 690, 122	117, 838, 361	167, 323, 260	565, 509	67, 796	70, 767	56, 097	135, 942, 981
1920	5, 583	139, 208, 954	149, 255, 892	157, 276, 322	508, 508	72, 066	69, 043	59, 120	126, 426, 019
1921	5, 554	133, 574, 840	138, 461, 259	152, 389, 903	466, 109	60, 024	62, 923	56, 221	48, 668, 108
1922	6, 020	96, 507, 746	111, 161, 210	137, 736, 439	420, 242	73, 672	68, 188	61, 704	44, 160, 417
1923	6, 047	88, 008, 160	94, 073, 299	131, 671, 300	417, 902	78, 197	76, 671	63, 230	61, 844, 062
1924	5, 995	94, 932, 846	93, 790, 011	132, 814, 135	412, 584	68, 606	68, 945	62, 891	96, 369, 974
1925	5, 896	89, 707, 991	90, 348, 915	132, 173, 211	402, 325	51, 888	53, 547	61, 232	97, 898, 486
1926	5, 853	90, 751, 051	88, 745, 704	134, 178, 558	399, 305	44, 050	46, 654	58, 628	101, 175, 541
1927	5, 896	103, 606, 868	90, 426, 172	147, 359, 254	411, 394	37, 563	37, 790	58, 400	114, 597, 400
1928	5, 897	96, 386, 499	91, 602, 404	152, 143, 349	412, 250	34, 145	34, 874	57, 672	118, 714, 519
1929	5, 976	112, 446, 412	110, 945, 232	153, 644, 529	416, 584	27, 530	27, 703	57, 439	127, 639, 413

No. 286.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: BY STATES

State or Territory	Number of depositors, June 30, 1929	Balance to credit of depositors, June 30—	
		1928	1929
		Dollars	*Dollars*
Grand total	416, 584	152, 143, 349	153, 644, 529
Cont'l. U. S.	413, 990	151, 254, 921	152, 773, 610
New England	23, 080	8, 691, 221	8, 197, 664
Maine	502	132, 655	112, 387
New Hampshire	1, 086	340, 257	299, 691
Vermont	194	63, 992	54, 242
Massachusetts	14, 091	6, 407, 355	6, 190, 599
Rhode Island	2, 042	490, 001	422, 585
Connecticut	4, 205	1, 256, 961	1, 118, 160
Middle Atlantic	153, 087	44, 009, 893	38, 710, 312
New York	112, 151	32, 223, 493	28, 093, 883
New Jersey	13, 054	2, 386, 029	2, 102, 766
Pennsylvania	27, 882	9, 400, 371	8, 513, 663
East North Central	32, 587	14, 552, 254	14, 608, 279
Ohio	7, 141	3, 042, 209	2, 972, 353
Indiana	3, 037	1, 134, 883	1, 509, 907
Illinois	14, 037	6, 861, 211	6, 582, 946
Michigan	5, 359	2, 114, 289	2, 095, 022
Wisconsin	3, 013	1, 399, 657	1, 447, 446
West North Central	61, 853	30, 614, 696	33, 221, 572
Minnesota	15, 953	7, 375, 548	8, 241, 537
Iowa	13, 208	8, 324, 547	8, 249, 346
Missouri	11, 710	5, 183, 199	5, 265, 426
North Dakota	3, 875	1, 635, 747	2, 156, 277
South Dakota	7, 771	4, 088, 073	4, 401, 492
Nebraska	2, 716	719, 324	1, 343, 703
Kansas	6, 530	3, 288, 258	3, 563, 791
South Atlantic	43, 013	10, 330, 661	13, 663, 001
Delaware	547	106, 154	99, 202
Maryland	589	152, 011	117, 427
District of Columbia	1, 866	361, 247	368, 561
S. Atlantic—Con.			
Virginia	1, 319	219, 463	254, 356
West Virginia	1, 224	495, 582	857, 874
North Carolina	1, 444	389, 830	542, 402
South Carolina	3, 832	1, 279, 377	1, 527, 315
Georgia	5, 959	1, 288, 862	1, 996, 635
Florida	26, 233	6, 038, 135	7, 899, 229
East South Central	6, 305	1, 227, 202	1, 279, 860
Kentucky	953	267, 197	234, 861
Tennessee	1, 563	487, 457	606, 956
Alabama	3, 356	355, 135	328, 448
Mississippi	433	117, 413	109, 595
West South Central	23, 286	9, 731, 100	10, 871, 856
Arkansas	1, 349	597, 295	674, 031
Louisiana	1, 203	384, 277	362, 673
Oklahoma	10, 810	5, 014, 072	5, 606, 876
Texas	9, 924	3, 735, 456	4, 228, 276
Mountain	38, 447	18, 702, 185	18, 456, 791
Montana	11, 041	6, 294, 396	6, 181, 292
Idaho	6, 644	2, 757, 062	2, 613, 850
Wyoming	3, 399	1, 956, 474	1, 895, 556
Colorado	8, 394	3, 880, 436	3, 850, 337
New Mexico	3, 283	1, 543, 375	1, 538, 403
Arizona	3, 423	1, 281, 970	1, 370, 689
Utah	1, 110	626, 604	615, 969
Nevada	1, 153	361, 868	390, 695
Pacific	32, 332	13, 395, 709	13, 763, 275
Washington	14, 365	6, 874, 064	6, 846, 965
Oregon	8, 525	3, 356, 391	3, 802, 736
California	9, 442	3, 165, 254	3, 113, 574
Alaska	794	704, 365	687, 672
Hawaii	162	21, 505	19, 979
Porto Rico	1, 522	153, 072	141, 517
Virgin Islands	116	9, 486	22, 751

Source of Tables 285 and 286: Report of the Postmaster General on the Postal Savings System.

No. 287.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS

NOTE.—Data for a majority of the States are as of December 31; for some States, however, they are as of the close of the fiscal year ending various dates

Year (see note)	Associations	Members	Assets (1,000 dollars)	Year (see note)	Associations	Members	Assets (1,000 dollars)
1895	5,973	[1] 1,545,129	624,700	1918	7,484	4,011,401	1,898,344
1900	5,490	[1] 1,495,136	614,110	1919	7,788	4,289,326	2,126,620
1905	5,326	1,686,611	646,765	1920	8,624	5,026,781	2,534,320
1909	5,737	2,029,927	860,783	1921	9,255	5,809,888	2,890,765
1910	6,937	2,216,912	945,569	1922	10,009	6,364,144	3,342,531
1911	6,113	2,355,066	1,040,308	1923	10,744	7,202,880	3,942,940
1912	6,273	2,516,936	1,137,601	1924	11,844	8,554,352	4,765,037
1913	6,429	2,836,433	1,248,479	1925	12,403	9,886,997	5,509,176
1914	6,616	3,103,935	1,357,708	1926	12,626	10,665,705	6,334,104
1915	6,806	3,334,899	1,484,206	1927	12,800	11,308,061	7,156,207
1916	7,072	3,568,432	1,598,628	1928	12,666	11,995,905	8,016,034
1917	7,269	3,838,612	1,769,142	1929	12,342	12,111,209	8,695,154

State	Associations			Members			Assets (thousands of dollars)		
	1926	1927	1928	1926	1927	1928	1926	1927	1928
Maine	39	38	36	17,548	29,180	28,073	9,249	19,549	20,982
New Hampshire	25	28	28	11,067	16,444	16,483	4,701	10,397	11,502
Vermont	7	10	11	1,499	4,458	5,149	649	2,817	3,286
Massachusetts	202	221	226	296,411	497,220	512,714	174,043	478,005	516,138
Rhode Island	8	7	8	14,680	34,437	37,769	8,127	22,636	25,717
Connecticut	30	38	39	18,615	44,504	30,808	7,097	20,614	22,589
New York	267	313	313	249,174	555,242	577,121	115,780	349,534	401,401
New Jersey [2]	939	1,536	1,561	426,264	1,166,980	1,250,000	238,908	886,168	1,032,429
Pennsylvania	2,788	4,427	4,272	1,036,052	1,776,104	1,753,253	475,615	1,245,988	1,340,056
Ohio [2]	775	827	812	973,168	2,282,693	2,452,025	462,700	1,035,429	1,237,521
Indiana	358	404	402	212,300	404,521	440,168	109,721	274,240	298,282
Illinois	686	910	916	292,600	861,060	873,000	148,779	388,098	419,928
Michigan	75	78	72	99,765	206,774	212,329	50,977	126,799	142,639
Wisconsin	97	182	186	87,000	261,685	296,973	43,641	217,564	251,619
Minnesota	63	84	80	23,904	80,956	83,090	11,354	32,423	36,739
Iowa	68	74	74	49,000	53,049	67,088	17,654	43,497	46,282
Missouri	181	251	241	71,494	229,305	241,680	40,803	159,774	179,628
North Dakota	12	19	20	7,325	16,800	19,000	3,657	8,859	10,470
South Dakota	16	24	23	6,515	7,705	12,679	4,006	5,497	6,241
Nebraska	74	83	84	119,131	235,581	250,000	77,939	155,214	161,399
Kansas	90	152	151	86,716	194,200	211,820	39,060	117,980	126,114
Delaware	([3])	42	44	([3])	17,750	18,650	([3])	10,212	11,828
Maryland	([3])	[4] 1,210	[5] 1,210	([3])	[4] 330,000	[5] 330,000	([3])	[4] 210,000	[5] 210,000
District of Columbia	21	22	22	45,525	63,768	68,543	30,125	57,192	63,364
Virginia	([3])	87	[4] 87	([3])	56,300	[4] 60,800	([3])	50,150	[4] 55,000
West Virginia	53	60	62	26,150	60,200	66,170	9,928	36,128	39,704
North Carolina	145	235	232	57,526	102,000	108,170	29,368	91,000	95,010
South Carolina	129	[4] 150	[4] 145	15,920	[4] 28,000	[4] 30,000	5,777	[4] 23,000	[4] 24,000
Georgia	([3])	[4] 30	34	([3])	[4] 6,500	12,054	([3])	[4] 2,500	3,954
Florida	([3])	115	71	([3])	28,500	16,000	([3])	40,840	21,603
Kentucky	119	151	155	77,818	141,900	154,700	34,801	85,510	97,438
Tennessee	11	32	39	5,000	14,775	19,950	3,053	9,127	12,364
Alabama	([3])	44	42	([3])	26,500	38,750	([3])	21,245	27,798
Mississippi	([3])	36	52	([3])	21,800	26,600	([3])	15,418	18,035
Arkansas	49	73	74	28,000	58,720	66,688	17,887	35,830	39,870
Louisiana	68	105	105	80,000	190,650	193,359	46,184	174,818	186,892
Oklahoma	62	89	88	46,343	184,810	216,131	28,590	116,319	130,612
Texas	31	143	162	9,360	145,380	165,780	3,252	92,632	113,034
Montana	21	30	26	16,156	41,500	44,500	3,667	16,338	18,385
Idaho	([3])	12	13	([3])	4,700	6,300	([3])	2,739	3,796
Wyoming	([3])	14	13	([3])	26,123	21,077	([3])	13,137	11,271
Colorado	42	62	67	22,600	119,631	131,528	10,986	42,477	49,554
New Mexico	13	18	18	4,100	7,150	7,600	1,707	3,833	4,172
Arizona	4	6	6	3,100	4,400	5,500	1,174	1,942	2,745
Utah	([3])	24	24	([3])	92,921	127,026	([3])	37,252	45,653
Nevada	([3])	1	4	([3])	900	1,475	([3])	524	848
Washington	43	72	73	55,354	268,404	312,872	20,175	101,252	115,925
Oregon	10	40	37	17,611	44,700	50,700	5,200	21,914	24,968
California	87	191	206	42,420	261,232	323,160	47,851	241,797	297,189

[1] Total membership of local associations only; does not include national associations, membership of which declined to 44,484 in 1905; now extinct.

[2] 1920 and 1927 data for New Jersey are as of June 30, for Ohio as of May 31; 1928 data as of Dec. 31.

[3] Not available; estimates for States not shown are included in United States total.

[4] Estimate.

[5] Estimate for 1927.

Source: United States League of Building and Loan Associations.

No. 288.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—In millions of dollars. Increase in savings and other time deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others; other data are for calendar years. The last column should not be added to other items, as there is much duplication between it and them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed

Year	Increase in savings and other time deposits, all banks [1]	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations [2]	New capital issues
			Total	Ordinary companies	Industrial companies		
1913	144	111	524	374	150	----------	----------
1918	659	129	705	502	203	----------	----------
1919	1,506	258	840	566	274	----------	3,588
1920	2,274	408	931	610	321	----------	3,635
1921	1,187	356	1,088	719	369	----------	3,577
1922	1,078	452	1,198	779	419	1,747	4,394
1923	2,148	600	1,322	833	489	2,528	4,204
1924	1,402	823	1,514	947	567	1,575	5,593
1925	1,945	745	1,694	1,046	647	2,987	6,220
1926	1,562	825	1,873	1,145	729	2,335	6,344
1927	1,395	844	2,079	1,269	810	1,115	7,791
1928	2,322	837	2,296	1,372	924	----------	8,114
1929	[3] 195	----------	----------	----------	----------	----------	10,195

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Net profit less cash dividends and income and profits tax as compiled from income tax returns.
[3] Decrease.

Sources: See sources of Tables 198, 281, 287, 318, and 320.

No. 289.—FEDERAL AND JOINT-STOCK LAND BANKS: UNMATURED PRINCIPAL OF MORTGAGE LOANS OUTSTANDING

NOTE.—All figures in thousands of dollars. Figures do not include the principal of delinquent installments. Payments made in advance of maturity have not been deducted as in Tables 290 and 294. Figures for joint-stock land banks include unpaid principal of loans of three banks placed in receivership in 1927

Dec. 31—	Federal land banks	Joint-stock land banks	Dec. 31—	Federal land banks	Joint-stock land banks
1918	156,214	8,384	1924	927,563	446,429
1919	293,595	60,038	1925	1,005,685	545,559
1920	349,679	77,959	1926	1,077,819	632,476
1921	432,523	85,017	1927	1,155,644	669,708
1922	630,486	218,775	1928	1,194,470	656,516
1923	799,507	392,630	1929	1,197,950	626,980

No. 290.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

[All figures in thousands of dollars]

Bank	Assets					Liabilities			
	Total	Net mortgage loans [1]	U. S. securities	Accrued interest	Cash on hand and in banks	Capital stock	Reserves and undivided profits	Farm loan bonds outstanding [2]	Accrued interest
All banks:									
1928	1,285,246	1,193,846	28,004	18,527	16,218	64,754	17,729	1,174,543	18,536
1929	1,301,138	1,197,282	21,816	18,678	13,720	65,735	18,384	1,187,662	16,207
Springfield	55,387	50,500	1,715	811	745	3,011	440	50,716	835
Baltimore	73,926	69,712	700	1,258	1,277	3,843	745	67,702	1,115
Columbia	73,098	62,270	1,002	1,020	863	3,412	795	67,199	880
Louisville	130,026	123,613	1,893	2,125	781	6,686	2,862	113,087	1,802
New Orleans	122,152	109,311	3,727	1,910	846	6,138	1,782	111,663	1,852
St. Louis	113,110	107,201	1,020	1,669	1,765	5,801	847	104,445	1,477
St. Paul	138,940	122,891	2,749	1,722	1,123	6,798	1,231	127,489	2,020
Omaha	174,170	165,685	3,133	2,531	156	8,903	3,393	158,805	1,649
Wichita	96,184	88,916	2,462	1,242	1,049	4,735	1,592	87,924	1,419
Houston	160,085	150,716	906	2,233	3,380	8,105	4,069	145,147	541
Berkeley	57,169	52,245	1,456	831	1,059	3,691	627	52,341	771
Spokane	107,212	94,222	985	1,316	676	5,213	1	96,085	1,849

[1] Less principal of delinquent installments and payments made in advance of maturity.
[2] Unmatured.

Source of Tables 289 and 290: Federal Farm Loan Board.

No. 291.—FEDERAL LAND BANKS: Loans of Each Bank, by States

[All money figures in thousands of dollars]

Bank and State	Loans submitted for bond issue from organization to December 31, 1929 [1]						Loans closed during 1929	Loans outstanding Dec. 31, 1929 [2]
	Number of loans	Amount loaned by banks	Land mortgaged (1,000 acres)	Original appraised valuation				
				Total	Land	Buildings		
Total	485,266	1,520,300	88,886	4,160,915	3,260,672	900,244	64,251	1,197,950
Springfield	20,540	66,256	2,642	214,397	114,879	99,518	3,654	50,572
Maine	3,328	9,173	432	29,930	18,109	11,821	397	6,593
New Hampshire	685	1,575	104	5,286	2,760	2,526	35	1,014
Vermont	1,609	4,870	292	15,599	8,768	6,831	47	3,707
Massachusetts	1,954	5,823	235	18,508	9,776	8,792	377	4,153
Rhode Island	203	668	18	2,186	1,175	1,001	72	518
Connecticut	1,703	5,842	159	18,025	9,319	8,706	386	4,331
New York	9,304	31,663	1,258	104,183	53,388	50,794	1,823	25,048
New Jersey	1,754	6,642	143	20,621	11,584	9,036	518	5,208
Baltimore	33,700	90,424	4,404	251,548	181,606	69,941	4,452	69,729
Pennsylvania	8,099	21,981	885	63,795	39,161	24,634	1,194	16,696
Virginia	14,186	38,104	2,122	106,737	77,785	28,952	1,282	28,283
West Virginia	5,132	10,059	688	28,251	21,197	7,054	372	8,112
Maryland	1,352	5,654	203	15,361	10,603	4,758	319	4,037
Delaware	167	565	20	1,530	1,010	520	36	416
Porto Rico	4,764	14,059	486	35,872	31,849	4,022	1,249	12,185
Columbia	38,576	84,606	5,567	232,890	178,486	54,405	1,467	62,339
North Carolina	12,928	24,292	1,303	69,436	50,948	18,488	499	17,866
South Carolina	7,811	21,655	1,248	60,149	45,596	14,552	300	14,719
Georgia	13,024	29,574	2,308	78,798	62,237	16,561	509	23,143
Florida	4,813	9,084	648	24,508	19,704	4,804	159	6,611
Louisville	47,697	152,968	5,408	406,905	320,286	86,618	6,190	123,698
Tennessee	12,840	31,063	1,566	83,008	67,110	15,898	951	24,703
Kentucky	10,988	33,152	1,337	90,141	69,171	20,971	1,064	25,189
Indiana	15,822	56,724	1,695	149,230	120,683	28,547	2,616	47,554
Ohio	8,041	31,728	810	84,526	63,323	21,203	1,559	26,247
New Orleans	70,859	138,811	11,209	393,525	295,525	98,000	3,892	109,361
Alabama	26,653	47,533	4,062	133,690	99,561	34,129	1,631	38,314
Louisiana	15,067	36,411	2,399	101,973	78,414	23,558	749	28,547
Mississippi	29,139	54,868	4,839	157,862	117,550	40,312	1,513	42,500
St. Louis	39,114	131,078	4,875	332,494	284,480	48,014	9,055	107,280
Illinois	10,098	60,587	1,069	155,504	133,916	21,588	6,663	52,497
Missouri	11,535	39,780	1,617	100,837	84,116	16,721	1,639	30,954
Arkansas	17,481	30,712	2,188	76,154	66,448	9,705	754	23,829
St. Paul	44,085	164,098	7,232	467,585	328,788	138,797	4,769	122,913
Minnesota	11,641	51,973	1,605	144,179	105,930	38,249	1,790	36,953
Michigan	11,748	31,070	1,665	94,023	58,580	35,443	1,165	28,312
Wisconsin	9,386	36,499	1,055	104,069	69,932	34,137	1,094	27,584
North Dakota	11,310	44,554	2,906	125,314	94,346	30,968	720	33,064
Omaha	33,496	202,815	9,033	532,432	458,325	74,107	9,624	165,788
Iowa	11,979	96,450	1,437	245,440	209,921	35,516	6,042	80,433
Nebraska	11,092	60,415	4,356	163,237	142,196	21,041	2,310	47,728
South Dakota	7,741	37,668	1,030	100,708	86,484	14,224	1,206	30,794
Wyoming	2,684	8,283	1,209	23,047	19,722	3,325	66	6,812
Wichita	35,938	112,782	11,320	314,279	259,631	54,648	3,779	88,638
Kansas	10,717	43,451	2,795	116,717	96,851	19,866	968	32,920
Oklahoma	9,112	25,421	1,728	67,883	56,885	10,998	1,229	20,885
Colorado	10,292	31,378	3,679	93,285	76,277	17,008	1,206	25,209
New Mexico	5,817	12,532	3,117	36,394	29,618	6,776	377	9,924
Houston	65,886	182,652	16,950	480,146	403,068	77,078	10,424	150,782
Texas	65,886	182,652	16,950	480,146	403,068	77,078	10,424	150,782
Berkeley	17,912	67,951	2,157	177,928	149,406	28,523	2,725	52,330
California	9,839	39,532	1,185	105,789	87,368	19,421	1,692	29,051
Utah	5,927	18,174	585	43,614	38,314	5,299	579	14,706
Nevada	409	2,997	196	7,581	6,438	1,143	180	2,872
Arizona	1,737	7,247	191	19,944	17,286	2,659	274	5,701
Spokane	40,463	126,160	7,993	356,787	286,191	70,596	4,220	94,246
Idaho	8,438	30,216	1,181	81,255	68,602	12,654	1,138	22,933
Montana	9,396	28,824	3,854	82,905	67,239	15,665	988	21,038
Oregon	7,762	25,773	1,433	70,117	58,073	12,044	589	19,208
Washington	14,867	41,347	1,551	122,510	92,277	30,233	1,506	31,317

[1] For total loans closed by Federal land banks from organization to date, see Table 293.
[2] Unmatured principal.
Source: Federal Farm Loan Board.

No. 292.—FEDERAL LAND BANKS: PURPOSES OF LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1929

NOTE.—For total amount of loans submitted for bond issue by each bank, see Table 291

[Amounts in thousands of dollars]

Bank	Purchase of land		Buildings and improvements		Equipment fertilizer, livestock and irrigation		National farm loan association stock		To pay mortgages		To pay other debts	
	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	152, 656	10.0	75, 347	4.9	43, 468	2.9	76, 032	5.0	999, 701	65.8	173, 085	11, 4
Springfield	10, 769	16.3	3, 137	4.7	1, 463	2.2	3, 313	5.0	43, 365	65.5	4, 190	6.3
Baltimore	7, 934	8.8	5, 317	5.9	3, 186	3.5	4, 520	5.0	61, 870	68.4	7, 597	8.4
Columbia	4, 565	5.4	5, 943	7.0	1, 780	2.1	4, 240	5.0	63, 772	75.4	4, 306	5.1
Louisville	22, 734	15.0	7, 842	5.1	3, 694	2.4	7, 637	5.0	90, 874	59.5	19, 837	13.0
New Orleans	7, 348	5.3	12, 493	9.0	4, 933	3.6	6, 940	5.0	94, 280	67.9	12, 818	9.2
St. Louis	13, 347	10.2	5, 393	4.1	2, 458	1.9	6, 554	5.0	90. 561	69.1	12, 766	9.7
St. Paul	10, 909	6.6	7, 805	4.8	2, 056	1.3	8, 204	5.0	114, 261	69.6	20, 861	12.7
Omaha	28, 285	14.0	4, 232	2.1	4, 960	2.4	10, 145	5.0	125, 090	62.0	29, 503	14.5
Wichita	12, 983	11.5	4, 239	3.8	5, 437	4.8	5, 640	5.0	65, 521	58.1	18, 961	16.8
Houston	20, 428	11.2	7, 144	3.9	5, 766	3.2	9, 134	5.0	123, 794	67.8	16, 387	8.9
Berkeley	4, 155	6.1	4, 522	6.7	2, 032	3.9	3, 395	5.0	44, 806	65.9	8, 442	12.4
Spokane	9, 199	7.3	7, 281	5.8	5, 084	4.0	6, 310	5.0	80, 910	64.1	17, 377	13.8

No. 293.—NATIONAL FARM LOAN ASSOCIATIONS: NUMBER OF ASSOCIATIONS AND LOANS MADE BY FEDERAL LAND BANKS FROM ORGANIZATION TO DECEMBER 31, 1929

NOTE.—4,970 associations were chartered to Dec. 31, 1929, 308 of which were canceled

Federal land bank district and State	Number of associations, Dec. 31, 1929	Loans [1]			Federal land bank district and State	Number of associations, Dec. 31, 1929	Loans [1]		
		Number	Amount (1,000 dollars)	Average (dollars)			Number	Amount (1,000 dollars)	Average (dollars)
Total	4, 662	499, 577	1, 605, 787	3, 214	District No. 6:				
District No. 1:					Illinois	141	10, 318	63, 241	6, 129
Maine	20	3, 391	9, 312	2, 746	Missouri	160	11, 751	41, 214	3, 507
New Hampshire	8	695	1, 603	2, 306	Arkansas	116	17, 706	31, 870	1, 800
Vermont	13	1, 044	4, 932	3, 000	District No. 7:				
Massachusetts	14	2, 000	5, 928	2, 964	North Dakota	196	11, 725	47, 079	4, 015
Rhode Island	2	204	664	3, 254	Minnesota	180	12, 314	57, 573	4, 675
Connecticut	15	1, 752	5, 956	3, 399	Wisconsin	137	9, 608	38, 971	4, 031
New York	50	9, 493	32, 160	3, 388	Michigan	134	12, 219	32, 797	2, 684
New Jersey	19	1, 695	6, 773	3, 996	District No. 8:				
District No. 2:					Iowa	155	12, 628	104, 937	8, 310
Virginia	87	13, 984	37, 667	2, 694	Nebraska	146	11, 656	65, 581	5, 626
Maryland	20	1, 346	5, 612	4, 170	South Dakota	100	7, 953	40, 611	5, 106
Delaware	3	102	548	3, 380	Wyoming	37	2, 753	8, 841	3, 211
Pennsylvania	55	7, 993	21, 314	2, 667	District No. 9:				
West Virginia	36	5, 098	9, 847	1, 955	Kansas	152	11, 765	49, 622	4, 218
Porto Rico		4, 885	14, 563	2, 981	Oklahoma	123	10, 178	28, 436	2, 794
District No. 3:					Colorado	118	10, 677	33, 319	3, 121
North Carolina	149	13, 232	25, 798	1, 950	New Mexico	63	6, 206	13, 850	2, 232
South Carolina	117	7, 987	22, 642	2, 835	District No. 10:				
Georgia	171	13, 140	30, 659	2, 333	Texas	349	65, 009	192, 414	2, 960
Florida	68	4, 902	9, 496	1, 937	District No. 11:				
District No. 4:					California	107	10, 586	43, 210	4, 082
Tennessee	124	13, 137	31, 981	2, 434	Utah	69	6, 081	19, 182	3, 154
Kentucky	109	11, 141	34, 508	3, 097	Nevada	7	451	3, 167	7, 022
Indiana	117	16, 325	58, 582	3, 588	Arizona	16	1, 822	7, 613	4, 178
Ohio	85	8, 289	32, 301	3, 897	District No. 12				
District No. 5:					Idaho	91	8, 541	31, 091	3, 640
Alabama	126	27, 365	51, 012	1, 864	Montana	157	9, 444	29, 709	3, 155
Louisiana	80	15, 491	38, 316	2, 473	Oregon	94	7, 837	26, 871	3, 429
Mississippi	159	29, 798	59, 130	1, 984	Washington	167	15, 200	43, 205	2, 842

[1] Includes a relatively small number of loans made through agents and loans directly to borrowers in *Porto Rico as well as through national farm loan associations.*

Source of Tables 292 and 293: Federal Farm Loan Board.

No. 294.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

NOTE.—**All figures in thousands of dollars.** Banks in receiverships are not included. Banks are grouped according to the Federal land bank district in which they are located. In a number of cases, however, the charter territory of the bank includes an adjacent State lying in another district

Federal land bank district, bank, and location [1]	Assets				Liabilities			
	Total	Mortgage loans [1]	Securities	Accrued interest	Capital paid in	Surplus, reserves, etc. [2]	Farm loan bonds [3]	Accrued interest
All banks:								
1928	656,702	606,342	7,918	10,140	41,736	10,750	588,969	7,326
1929	640,083	584,197	4,427	9,766	41,743	12,114	572,373	7,106
District No. 1: New York, Rochester, N. Y	14,666	13,779	-------	86	800	252	13,105	191
District No. 2:								
Potomac, Washington, D. C	6,721	6,448	-------	111	400	172	6,026	72
Virginia-Carolina, Elizabeth City, N. C	7,620	6,733	180	123	400	206	6,876	92
Maryland-Virginia, Baltimore, Md	2,710	2,623	-------	49	250	127	2,300	22
Pennsylvania, Philadelphia, Pa	7,167	6,717	-------	110	418	98	6,430	61
Virginia, Charleston, W. Va	16,392	14,923	182	204	1,150	391	14,610	148
Greenbrier, Lewisburg, W. Va	2,787	2,650	-------	40	250	75	2,410	37
District No. 3:								
Atlantic, Raleigh, N. C	16,429	15,656	-------	203	908	432	14,428	209
Greensboro, Greensboro, N. C	5,305	4,895	24	85	250	209	4,751	48
North Carolina, Durham, N. C	15,157	14,009	-------	251	709	504	13,590	216
First Carolinas, Columbia, S. C	12,622	11,077	-------	139	785	-------	11,536	167
Atlanta, Atlanta, Ga	6,490	5,736	274	79	350	99	5,934	72
District No. 4:								
Mississippi, Memphis, Tenn	4,476	4,130	16	66	350	151	3,874	56
Tennessee, Memphis, Tenn	3,884	3,608	-------	58	250	92	3,474	54
Kentucky, Lexington, Ky	12,351	11,348	139	222	650	282	11,194	151
Louisville, Louisville, Ky	7,399	5,990	888	131	500	54	6,746	56
Union, Louisville, Ky	3,251	2,781	224	58	250	26	2,932	24
First, Fort Wayne, Ind	8,711	8,260	100	120	400	519	7,715	61
Fletcher, Indianapolis, Ind	16,643	15,704	182	393	750	853	14,595	117
Indianapolis, Indianapolis, Ind	671	633	2	12	250	11	395	4
La Fayette, La Fayette, Ind	9,729	9,270	87	155	300	402	8,924	70
Union Trust, Indianapolis, Ind	492	419	34	10	250	83	152	3
Ohio-Pennsylvania, Cleveland, Ohio	14,577	13,999	-------	173	770	284	13,149	161
District No. 5:								
First, Montgomery, Ala	9,494	8,857	-------	155	550	174	8,634	103
First, New Orleans, La	4,545	4,196	-------	83	250	130	3,999	45
District No. 6:								
Chicago, Chicago, Ill	53,331	45,905	600	509	4,000	-------	48,695	418
First Trust, Chicago, Ill	75,923	74,436	-------	1,096	4,600	858	69,340	924
Illinois, Monticello, Ill	7,341	7,130	-------	121	450	97	6,710	51
Illinois Midwest, Edwardsville, Ill	6,122	5,843	-------	98	350	105	5,426	55
St. Louis, St. Louis, Mo	21,926	20,472	-------	343	1,430	325	19,702	207
Southwest, Little Rock, Ark	4,855	4,565	-------	94	285	84	4,362	61
District No. 7:								
Minneapolis Trust, Minneapolis, Minn	5,073	4,909	-------	74	450	309	4,267	36
Southern Minnesota, Minneapolis, Minn	26,422	17,946	-------	284	3,000	-------	22,980	194
Union, Detroit, Mich	10,352	9,477	-------	182	600	206	9,268	155
District No. 8:								
Burlington, Burlington, Iowa	3,854	3,527	-------	55	250	59	3,489	44
Des Moines, Des Moines, Iowa	14,168	10,908	-------	177	1,150	-------	12,647	108
Iowa, Sioux City, Iowa	7,982	7,194	100	114	500	286	7,047	92
Fremont, Lincoln, Nebr	9,683	8,839	-------	135	850	239	8,455	84
Lincoln, Lincoln, Nebr	38,507	35,663	-------	558	2,711	741	34,462	459
District No. 9: Denver, Denver, Colo	15,234	14,393	-------	236	1,135	466	13,241	204
District No. 10:								
Dallas, Dallas, Tex	44,514	41,019	-------	1,187	2,571	850	39,187	634
First Texas, Houston, Tex	8,199	7,510	100	89	550	161	7,370	81
San Antonio, San Antonio, Tex	20,134	19,003	-------	575	1,226	354	17,968	266
District No. 11:								
California, San Francisco, Calif	16,760	14,251	1,200	134	916	585	14,963	77
Pacific Coast, San Francisco, Calif	22,958	21,515	-------	334	1,400	404	20,444	374
Pacific Coast, Salt Lake City, Utah	4,919	4,650	-------	74	300	87	4,399	89
District No. 12:								
Northwest, Portland, Oreg	106	41	-------	-------	87	17	-------	-------
Oregon, Washington, Portland, Oreg	3,558	3,190	35	41	250	-------	3,159	15
Pacific Coast, Portland, Oreg	7,811	7,455	80	81	450	256	6,925	148

[1] Figures exclude principal of delinquent installments and payments made in advance of maturity; they include mortgage loan foreclosures pending less reserve therefor.
[2] Surplus, reserves and undivided profits.
[3] Outstanding unmatured.

Source: Federal Farm Loan Board.

No. 295.—JOINT-STOCK LAND BANKS: LOANS; BY STATES

[All money figures in thousands of dollars]

State	Loans submitted for bond issue from organization to December 31, 1929						Total loans closed from organization to Dec. 31, 1929	Loans closed during 1929	Loans outstanding Dec. 31, 1929 [1]
	Number of loans	Amount loaned by bank	Land mortgaged (1,000 acres)	Original appraised valuation					
				Total	Land	Buildings			
Total	124,991	841,214	34,665	2,183,528	1,822,708	360,820	887,410	18,186	628,980
Alabama	1,072	6,736	391	19,602	16,546	3,116	6,909	81	5,876
Arizona	544	3,929	54	11,138	10,149	989	4,185	100	3,132
Arkansas	1,786	15,506	567	40,305	35,482	4,823	16,197	239	13,101
California	2,935	36,981	839	94,758	82,481	12,277	41,241	1,254	29,185
Colorado	1,489	9,886	569	27,701	22,903	4,797	10,193	9	8,819
Georgia	1,896	10,010	687	28,982	22,543	6,438	10,070	179	8,721
Idaho	1,082	4,974	113	13,224	11,385	1,839	5,063	340	4,021
Illinois	10,326	90,072	1,427	228,516	201,358	27,159	94,864	3,508	70,996
Indiana	8,965	47,371	976	122,412	105,308	17,104	50,070	1,496	36,522
Iowa	10,228	122,856	1,700	298,210	269,715	34,495	132,349	2,858	86,912
Kansas	4,787	30,724	1,757	76,389	67,452	8,937	31,243	----	17,368
Kentucky	2,614	15,175	383	38,876	30,926	7,950	15,441	285	10,896
Louisiana	73	1,492	77	4,287	3,570	718	1,482	52	1,133
Maryland	837	4,980	131	14,308	8,956	5,352	5,358	168	4,247
Michigan	2,437	11,167	280	31,925	20,741	11,184	11,086	330	8,990
Minnesota	4,867	42,213	924	105,967	88,674	17,292	44,413	324	23,911
Mississippi	591	9,148	312	25,904	22,561	3,344	10,063	236	7,083
Missouri	4,162	30,951	761	75,527	65,618	9,909	36,977	80	19,473
Montana	344	2,045	229	5,907	4,846	1,061	2,076	----	1,526
Nebraska	4,218	36,424	1,623	95,143	83,649	11,494	37,324	498	25,824
Nevada	35	755	38	1,937	1,612	326	820	----	634
New Jersey	533	2,718	56	8,188	4,389	3,794	2,822	88	959
New York	2,848	14,305	359	42,825	24,922	17,903	14,593	659	11,044
North Carolina	14,033	45,980	2,043	132,858	99,494	33,364	47,264	865	38,264
North Dakota	797	4,728	210	15,311	12,695	2,616	4,764	----	3,810
Ohio	7,897	36,732	857	98,837	70,926	27,912	37,798	981	27,590
Oklahoma	1,523	7,717	489	19,372	17,111	2,261	7,101	----	4,558
Oregon	1,280	14,598	891	37,653	33,260	4,393	14,775	493	11,668
Pennsylvania	2,969	11,289	337	34,708	18,509	16,199	12,136	511	10,428
South Carolina	3,107	10,242	771	41,049	32,210	8,839	10,726	83	12,401
South Dakota	2,031	17,119	3,907	44,620	37,732	6,889	17,847	194	9,533
Tennessee	975	4,184	151	11,108	9,069	2,039	4,095	56	2,978
Texas	14,213	97,440	8,630	246,062	218,723	27,330	103,709	2,014	80,170
Utah	184	838	39	2,100	1,767	333	859	7	635
Virginia	2,705	12,565	518	28,443	25,475	2,968	12,629	150	9,759
Washington	240	2,555	140	6,953	5,971	982	2,620	6	1,854
West Virginia	2,455	7,669	364	22,494	16,446	6,048	8,360	31	4,678
Wisconsin	1,176	5,880	154	16,070	11,576	4,494	6,222	----	3,307
Wyoming	737	5,261	904	13,740	11,898	1,842	5,673	----	4,073

[1] Unmatured principal except for the 3 banks in receivership for which unpaid principal is used.

Source: Federal Farm Loan Board.

No. 296.—JOINT-STOCK LAND BANKS: PURPOSES OF LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION TO DECEMBER 31, 1929

[All money figures in thousands of dollars]

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer, livestock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	841,214	91,486	10.9	26,996	3.2	17,509	2.1	647,654	77.0	57,565	6.8
Alabama	6,736	384	5.6	274	4.1	112	1.7	5,064	84.1	303	4.5
Arizona	3,929	365	9.3	99	2.3	40	1.0	3,152	90.2	283	7.2
Arkansas	15,506	1,141	7.4	800	5.2	702	4.5	12,135	78.2	729	4.7
California	36,981	2,209	6.0	1,520	4.1	826	2.2	28,941	78.3	3,484	9.4
Colorado	9,886	923	9.3	143	1.6	268	2.7	7,742	78.3	810	8.1
Georgia	10,010	785	7.8	381	3.8	363	3.6	7,823	78.2	657	6.6
Idaho	4,974	338	6.8	57	1.1	56	1.2	4,238	85.2	285	5.7
Illinois	90,072	13,374	14.8	1,681	1.9	1,146	1.3	65,782	73.0	8,089	9.0
Indiana	47,371	9,420	19.9	1,461	3.1	799	1.7	32,149	67.9	3,542	7.4
Iowa	122,856	12,524	10.2	2,957	2.4	1,318	1.1	98,685	80.3	7,372	6.0
Kansas	30,724	3,093	10.1	561	1.8	920	3.0	24,188	78.7	1,962	6.4

No. 296.—Joint-Stock Land Banks: Purposes of Loans Submitted for Bond Issue from Organization to December 31, 1929—Continued

[All money figures in thousands of dollars]

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer, live-stock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Kentucky	15,175	1,338	8.8	411	2.7	241	1.6	12,395	81.7	791	5.2
Louisiana	1,492	47	3.3	10	.7	23	1.6	1,340	89.4	71	5.0
Maryland	4,980	691	13.9	170	3.4	110	2.2	3,688	74.1	321	6.4
Michigan	11,167	1,435	12.8	433	3.9	238	2.1	8,418	75.4	643	5.8
Minnesota	42,213	2,931	7.0	1,031	2.4	491	1.2	35,787	84.8	1,973	4.6
Mississippi	9,148	1,147	12.5	603	6.6	197	2.2	6,483	70.9	718	7.8
Missouri	30,951	2,862	9.2	993	3.2	476	1.5	24,998	80.8	1,622	5.3
Montana	2,045	133	6.5	67	3.3	117	5.7	1,370	67.0	357	17.5
Nebraska	36,424	5,565	15.3	718	2.0	707	1.9	26,671	73.2	2,704	7.6
Nevada	755	35	4.6	5	.7	61	8.1	626	82.9	28	3.7
New Jersey	2,718	331	12.2	148	5.4	92	3.4	2,009	73.9	139	5.1
New York	14,305	1,648	11.5	533	3.7	384	2.7	10,976	76.7	765	5.4
North Carolina	45,980	3,612	7.8	3,509	7.8	1,421	3.1	33,562	73.0	3,816	8.3
North Dakota	4,728	138	2.9	65	1.4	72	1.5	4,261	90.1	192	4.1
Ohio	36,732	5,675	15.5	1,321	3.6	761	2.1	26,958	73.4	2,017	5.4
Oklahoma	7,717	675	8.8	184	2.4	355	4.6	6,099	79.0	404	5.2
Oregon	14,598	1,494	10.2	293	2.0	376	2.6	11,209	76.8	1,225	8.4
Pennsylvania	11,280	2,130	18.9	447	4.0	239	2.1	7,767	68.8	706	6.2
South Carolina	16,242	1,001	6.2	725	4.5	549	3.4	12,205	75.1	1,762	10.8
South Dakota	17,119	1,104	6.4	353	2.1	147	.9	14,718	86.0	797	4.6
Tennessee	4,184	414	9.9	161	3.8	94	2.3	3,339	79.8	176	4.2
Texas	97,440	9,451	9.7	2,903	3.0	2,645	2.7	76,886	78.9	5,555	5.7
Utah	838	38	4.5	21	2.5	16	1.9	723	86.3	41	4.8
Virginia	12,565	1,271	10.1	617	4.9	326	2.6	8,958	71.3	1,396	11.1
Washington	2,555	226	8.9	37	1.5	24	.9	2,113	82.6	156	6.1
West Virginia	7,669	948	12.4	961	12.5	498	6.5	4,347	56.7	915	11.9
Wisconsin	5,880	446	7.6	251	4.3	193	3.3	4,732	80.4	258	4.4
Wyoming	5,261	144	2.7	42	.8	108	2.0	4,520	85.9	447	8.6

No. 297.—FEDERAL INTERMEDIATE CREDIT BANKS: Principal Assets and Liabilities, December 31

[All figures in thousands of dollars]

	Assets				Liabilities		
	Total	Loans	Discounts	Cash on hand and in banks[1]	Capital paid in[2]	Surplus and undivided profits	Debentures outstanding (unmatured)
All banks:							
1923	99,228	33,627	9,105	2,789	20,000	246	30,500
1924	120,049	43,507	18,760	8,384	24,000	908	40,710
1925	126,135	53,780	26,272	3,393	24,000	1,665	58,699
1926	135,008	52,704	39,730	4,074	25,000	1,861	68,580
1927	120,209	31,991	43,924	3,865	25,000	2,243	51,150
1928	121,875	36,174	45,103	3,339	27,000	2,074	44,875
1929	115,288	20,073	50,018	2,930	30,000	1,972	49,510
Springfield	5,294	----------	663	91	2,000	241	----------
Baltimore	6,967	----------	2,760	193	2,000	204	1,500
Columbia	8,299	5,454	1,557	251	5,000	----------	3,625
Louisville	5,365	300	443	620	2,000	281	----------
New Orleans	11,962	5,125	2,744	479	2,000	152	6,625
St. Louis	5,602	910	794	480	2,000	49	400
St. Paul	11,671	2,548	5,833	312	2,000	219	6,120
Omaha	10,286	1,480	5,776	40	2,000	206	4,500
Wichita	6,472	2,280	1,129	71	2,000	245	1,100
Houston	15,500	325	11,721	199	2,000	215	9,560
Berkeley	15,411	5,073	9,227	122	5,000	----------	10,000
Spokane	12,400	1,978	7,372	71	2,000	161	6,680

[1] Includes cash held as collateral.

[2] Each bank is capitalized at $5,000,000, subscribed by the Treasury of the United States, subject to call. Only amounts shown have been called and paid in.

Source of Tables 296 and 297: Federal Farm Loan Board.

No. 298.—FEDERAL INTERMEDIATE CREDIT BANKS: LOANS, BY COMMODITIES, AND DISCOUNTS, BY TYPE OF INSTITUTION AND BY PURPOSE

[All figures in thousands of dollars]

	Original loans and discounts during—[1]			Amounts outstanding Dec. 31—					
	1927	1928	1929	1924	1925	1926	1927	1928	1929
Loans, total	34,141	34,807	32,515	43,507	53,780	52,704	31,991	36,174	26,073
Cotton	18,408	24,301	18,337	13,614	23,439	25,076	14,944	23,099	12,031
Tobacco	1,800			20,274	20,632	13,747	4,299	1,565	
Wheat	2,566	2,553	4,605	2,645	3,128	3,501	2,537	2,483	4,401
Canned fruit and vegetables	1,638	3,082	2,097	570	1,078	1,464	1,142	2,118	1,326
Raisins	4,700	2,015	681	4,000	3,600	4,700	5,950	4,679	3,107
Wool	1,729	1,157	4,271	34	1,028	977	411	564	2,935
Rice	2,353	1,198	1,532	392	495	2,413	1,815	1,360	1,479
All other	947	501	992	1,981	381	227	893	305	794
Discounts, total	59,182	54,410	59,243	18,760	26,272	39,730	43,924	45,103	50,018
For—									
Agricultural credit corporations	35,571	28,083	32,736	9,787	15,371	23,786	22,528	20,991	21,009
Livestock loan companies	22,979	25,567	24,030	7,965	10,390	15,598	21,214	23,784	26,917
Banks and trust companies	632	760	2,477	1,008	511	345	183	328	2,092
Purpose—									
Cattle production		24,520	23,199	7,767	8,204	14,347	17,932	20,541	24,109
Other livestock production		8,375	8,942	3,975	6,561	10,185	15,574	15,663	11,203
General agriculture		21,514	27,102	7,018	11,507	15,199	10,418	8,898	14,706

[1] Total renewals granted during 1927 to 1929 were as follows: Loans, 1927, $16,647,000; 1928, $18,764,000; 1929, $11,103,000. Discounts, 1927, $28,107,000; 1928, $29,159,000; 1929, $35,424,000.

No. 299.—FEDERAL INTERMEDIATE CREDIT BANKS: LOANS AND DISCOUNTS (ORIGINAL AND RENEWAL) DURING 1929 AND AMOUNTS OUTSTANDING DECEMBER 31, 1929, BY STATES

NOTE.—All figures in thousands of dollars. The Federal intermediate credit banks discount agricultural paper for institutions in States within the district they serve. The discount may, however, have originated in a State outside of the district; for this reason, figures shown for a bank do not necessarily agree with the sum of the discounts shown for the States within that particular bank district

Bank and State	1929		Outstanding Dec. 31, 1929		Bank and State	1929		Outstanding Dec. 31, 1929	
	Loans	Discounts	Loans	Discounts		Loans	Discounts	Loans	Discounts
Total	43,619	94,667	26,073	50,018	**St. Paul**	3,226	7,311	2,548	5,833
Springfield		1,830		663	North Dakota	2,073	4,618	1,679	3,636
Maine		574		11	Minnesota	916	2,597	792	2,112
New Hampshire		172		74	Wisconsin	237	94	77	84
Massachusetts		800		400	**Omaha**	2,167	11,020	1,480	5,778
New York		206		148	Iowa		778		421
New Jersey		78		31	Nebraska	220	3,448	154	1,692
Baltimore		4,406		2,760	South Dakota	993	4,414	704	2,551
Virginia		243		24	Wyoming	954	2,379	622	1,142
Maryland		85			**Wichita**	7,906	[1] 1,583	2,280	[1] 1,129
West Virginia		2			Kansas	4,900	48	1,500	26
Porto Rico		4,076		2,735	Oklahoma	2,425	74	325	74
Columbia	7,717	5,540	5,454	1,557	Colorado	581	276	455	119
North Carolina	2,500	1,045	300	200	New Mexico		3,107		2,104
South Carolina	2,448	1,866	2,385	413	**Houston**	375	[1] 21,207	325	[1] 11,721
Georgia	2,769	1,956	2,769	298	Texas	375	21,704	325	11,937
Florida		682		645	**Berkeley**	7,371	[1] 18,141	5,673	[1] 9,227
Louisville	300	995	300	443	California	6,167	7,886	5,198	3,615
Tennessee	300	764	300	279	Utah	209	986	128	927
Indiana		228		161	Nevada	422	146	190	84
Ohio		4		3	Arizona	573	6,406	157	3,121
New Orleans	9,925	8,395	5,125	2,744	**Spokane**	3,613	[1] 11,342	1,978	[1] 7,372
Alabama		446		87	Idaho	465	2,039	313	491
Louisiana		6,219		2,640	Montana	1,133	1,416	827	1,110
Mississippi	9,925	2,729	5,125	17	Oregon	1,763	5,764	717	3,773
St. Louis	1,018	1,889	910	794	Washington	253	2,422	121	2,067
Illinois	38	664	7	440					
Missouri		579		298					
Arkansas	979	646	902	56					

[1] See headnote.

Source of Tables 298 and 299: Federal Farm Loan Board.

No. 300.—CLEARING HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association; commencing 1920 they are for 178 identical cities. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 302 and 303) are a more significant measure of volume of payment. For States included in each division see Table 301

[All figures in millions of dollars]

Year ended Sept. 30—	United States	Outside New York City	New York City	Year ended Sept. 30—	United States	Outside New York City	New York City
1882	61,054	14,501	46,553	1891	57,181	23,127	34,054
1883	53,536	13,243	40,293	1892	60,884	24,604	36,280
1884	47,387	13,295	34,092	1893	58,881	24,460	34,421
1885	37,770	12,519	25,251	1894	45,028	20,798	24,230
1886	48,212	14,837	33,375	1895	50,975	22,711	28,264
1887	52,127	17,254	34,873	1896	51,936	22,585	29,351
1888	48,751	17,887	30,864	1897	54,180	22,842	31,338
1889	53,501	18,705	34,796	1898	65,925	26,072	39,853
1890	59,882	22,221	37,661	1899	88,829	31,461	57,368

Year ended Sept. 30—	United States		New England division	Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Outside New York City		Total	New York City				
1900	84,582	32,618	7,120	59,705	51,965	2,328	13,184	651	1,594
1901	114,820	37,799	8,036	86,306	77,021	2,650	15,193	735	1,809
1902	115,892	41,139	7,861	84,892	74,753	2,899	17,262	793	2,185
1903	113,963	43,130	7,796	81,533	70,834	3,266	17,979	838	2,551
1904	102,356	42,684	7,331	69,507	59,673	3,695	18,376	830	2,618
1905	140,502	48,623	8,467	103,765	91,879	4,016	20,097	964	3,194
1906	157,681	53,927	9,245	117,034	103,754	4,606	21,877	1,110	3,810
1907	154,477	59,161	9,712	108,662	95,315	5,113	24,746	1,384	4,860
1908	126,239	52,608	8,115	85,343	73,631	4,485	23,145	1,382	3,768
1909	158,877	59,620	9,372	111,501	99,258	5,108	26,682	1,700	4,514
1910	168,987	66,433	9,707	116,778	102,554	5,951	29,148	1,980	5,422
1911	159,540	67,119	9,616	106,742	92,420	6,528	20,062	1,938	5,654
1912	163,685	72,014	10,278	111,672	96,672	7,446	30,910	2,043	6,338
1913	173,193	75,071	9,807	114,430	98,122	6,750	33,338	2,221	6,647
1914	163,850	74,089	9,400	105,474	89,760	6,774	33,567	2,278	6,357
1915	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,410	6,112
1916	242,230	95,055	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918	320,989	146,464	16,975	205,810	174,524	15,577	63,021	6,599	12,406
1919	387,854	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920	460,167	207,820	22,378	297,275	252,338	26,010	85,080	9,306	20,118
1921	374,054	169,972	17,340	243,087	204,082	18,528	69,570	7,622	17,908
1922	379,076	165,740	18,089	251,262	213,326	18,004	66,039	7,024	18,707
1923	408,155	193,634	21,801	259,423	214,621	21,362	75,636	7,425	22,508
1924	434,346	198,847	23,367	280,971	235,499	22,994	75,873	6,977	24,174
1925	495,536	218,662	25,050	327,767	276,874	25,524	83,604	7,606	25,685
1926	524,810	231,367	27,881	347,045	293,443	27,154	86,286	7,834	28,610
1927	535,425	228,267	29,319	358,909	307,159	24,908	86,021	7,774	28,493
1928	604,278	235,360	29,868	420,641	368,918	24,542	89,407	8,282	31,537
1929	702,535	245,597	30,014	512,499	456,938	25,326	93,418	8,698	32,579

Source: Comptroller of the Currency, Treasury Department.

No. 301.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY

NOTE.—Totals are for all cities reporting. A few smaller cities and cities not reporting in 1928 or 1929 are not shown separately. For totals since 1919 for 178 identical cities, see Table 300

[All figures in millions and tenths of millions of dollars]

Division and city	1915	1925	1929
All cities	163, 189. 2	506, 225. 1	713, 877. 0
New England	9, 021. 5	25, 098. 7	30, 053. 3
Maine:			
Bangor	21. 7	37. 8	192. 7
Portland	101. 0	170. 8	219. 1
New Hampshire:			
Manchester		39. 9	[1] 38. 8
Massachusetts:			
Boston	7, 481. 3	21, 974. 0	26, 154. 7
Fall River	60. 2	116. 9	80. 6
Holyoke	37. 5	49. 1	45. 5
Lowell	40. 7	59. 9	65. 6
New Bedford	55. 6	79. 4	54. 2
Springfield	142. 1	300. 2	303. 4
Worcester	131. 7	190. 1	196. 5
Rhode Island:			
Providence	393. 3	691. 2	858. 6
Connecticut:			
Hartford	310. 1	713. 8	1, 009. 7
New Haven	186. 1	363. 4	466. 5
Stamford		177. 8	232. 9
Waterbury	60. 2	125. 8	135. 5
Eastern	105, 793. 2	331, 918. 7	517, 841. 2
New York:			
Albany	290. 0	325. 8	334. 9
Binghamton	34. 6	57. 9	77. 3
Buffalo	576. 2	2, 645. 6	3, 327. 6
Elmira		47. 6	62. 8
Jamestown		73. 8	71. 7
New York	90, 842. 7	276, 873. 9	456, 937. 9
Niagara Falls		52. 0	[1] 84. 4
Rochester	238. 8	651. 1	852. 4
Syracuse	153. 8	280. 4	382. 1
New Jersey:			
Camden		685. 3	135. 2
Montclair	21. 7	32. 3	[1] 49. 8
Newark		1, 066. 1	1, 749. 4
Northern New Jersey [2]		1, 713. 2	2, 576. 7
Orange	41. 7	66. 5	98. 4
Passaic		90. 7	130. 7
Trenton	95. 1	309. 7	283. 3
Pennsylvania:			
Altoona	*27. 6*	*75. 8*	*81. 6*
Bethlehem		208. 1	275. 2
Chester	35. 2	75. 5	66. 2
Franklin	12. 3	15. 7	11. 2
Greensburg	27. 0	89. 4	[1] 83. 0
Harrisburg	84. 1	253. 7	250. 2
Lancaster	82. 3	148. 8	166. 4
Lebanon		32. 2	34. 7
Beaver County, Pa.	*27. 8*	*38. 3*	31. 9
Norristown	24. 4	54. 3	47. 8
Oil City		172. 5	232. 5
Philadelphia	7, 968. 0	28, 285. 8	30, 909. 3
Pittsburgh	2, 527. 7	8, 028. 0	10, 101. 3
Reading	95. 8	190. 9	229. 0
Scranton	166. 9	323. 2	331. 4
Wilkes-Barre	85. 9	208. 5	210. 4
York	46. 7	100. 7	113. 9
Delaware: Wilmington	95. 7	143. 5	271. 2
Maryland:			
Baltimore	1, 727. 8	5, 573. 8	5, 239. 3
Frederick	17. 6	24. 0	24. 4
Hagerstown		39. 8	39. 3
District of Columbia: Washington	394. 9	1, 304. 3	1, 497. 4
Southern	6, 411. 0	29, 819. 0	27, 647. 9
Virginia:			
Norfolk	199. 8	425. 4	[1] 256. 6
Richmond	466. 8	2, 834. 6	2, 312. 9
Roanoke		320. 2	373. 9
West Virginia:			
Charleston		189. 9	208. 6
Huntington		85. 7	62. 6
Wheeling	98. 7	222. 8	255. 8
North Carolina:			
Charlotte		583. 6	717. 9
Raleigh		139. 6	129. 7
South Carolina:			
Charleston	93. 9	137. 2	115. 3
Columbia	43. 9	101. 1	[1] 119. 1
Greenville		119. 9	94. 1
Georgia:			
Atlanta	659. 3	3, 339. 5	2, 928. 1
Augusta	82. 0	108. 7	113. 3
Columbus	20. 4	53. 8	[1] 64. 4
Macon	149. 0	88. 9	[1] 99. 9
Florida:			
Jacksonville	138. 0	1, 130. 0	[1] 801. 3
Miami		816. 8	139. 0
Tampa	49. 9	360. 7	155. 4
Alabama:			
Birmingham	127. 8	1, 375. 6	[1] 1, 283. 4
Mobile	54. 5	103. 2	107. 1
Montgomery	47. 4	92. 8	87. 5
Mississippi:			
Hattiesburg		84. 4	88. 2
Jackson	20. 0	73. 6	[1] 115. 1
Meridian	1. 2	44. 5	45. 7
Vicksburg	13. 4	23. 9	20. 5
Louisiana:			
New Orleans	898. 8	3, 111. 5	2, 765. 3
Shreveport	52. 0	268. 9	292. 9
Texas:			
Austin	135. 1	104. 5	110. 2
Beaumont	35. 9	71. 8	[1] 112. 0
Dallas		2, 486. 1	2, 916. 8
El Paso	101. 8	243. 4	321. 8
Fort Worth	420. 4	646. 0	[1] 759. 9
Galveston	222. 2	540. 3	303. 8
Houston	302. 8	1, 774. 9	2, 002. 9
Port Arthur		26. 2	39. 0
San Antonio		*466. 8*	*926. 1*
Waco		146. 3	78. 2
Wichita Falls		125. 7	133. 4
Arkansas:			
Little Rock	103. 8	722. 4	780. 3
Kentucky:			
Lexington	37. 9	98. 3	113. 1
Louisville	671. 0	1, 731. 2	1, 969. 9
Owensboro	18. 0	22. 0	21. 2
Paducah	39. 0	*110. 5*	[1] 129. 2
Tennessee:			
Chattanooga	114. 3	358. 0	[3] 442. 7
Knoxville	87. 7	161. 5	[1] 165. 0
Memphis	324. 8	1, 223. 3	1, 233. 8
Nashville	305. 3	1, 105. 8	1, 245. 4
Middle Western	33, 441. 5	85, 466. 2	95, 903. 2
Ohio:			
Akron	96. 0	347. 6	375. 7
Canton	89. 4	238. 4	265. 0
Cincinnati	1, 274. 1	3, 616. 7	3, 922. 5
Cleveland	1, 309. 4	5, 859. 7	7, 812. 0
Columbus	328. 4	779. 4	893. 0
Dayton	107. 0	337. 2	437. 9

[1] From Commercial and Financial Chronicle.
[2] Composed of banks in Northern New Jersey, Jersey City, Hoboken, Bayonne, and Union.
[3] Figure for 1928; not included in 1929 totals.

No. 301.—Clearing House Exchanges: Amount of Clearings in Each City—Continued.

[All figures in millions and tenths of millions of dollars]

Division and city	1915	1925	1929
Ohio—Continued.			
Hamilton	----------	45.1	[1] 63.0
Lorain	6.3	29.7	24.2
Mansfield	28.5	100.9	108.6
Springfield	40.3	232.1	302.5
Youngstown	73.8	300.8	328.7
Indiana:			
Evansville	64.2	277.1	285.3
Fort Wayne	65.5	143.8	203.0
Gary	14.8	270.7	298.5
Hammond	----------	219.7	248.7
Indianapolis	411.7	888.9	1,270.5
New Albany	7.2	8.7	10.0
South Bend	35.9	144.1	169.0
Terre Haute	----------	289.7	282.1
Illinois:			
Aurora	----------	73.5	68.7
Bloomington	37.1	85.1	103.2
Champaign	----------	37.7	67.7
Chicago	15,404.2	34,728.0	37,125.4
Danville	25.6	40.1	55.5
Decatur	22.3	78.3	67.9
Jacksonville	14.2	21.0	20.4
Peoria	155.1	253.7	308.8
Quincy	40.5	82.2	79.5
Rockford	47.4	140.0	205.0
Springfield	59.1	140.8	147.0
Michigan:			
Adrian	2.8	12.9	[1] 14.5
Ann Arbor	12.2	49.6	54.9
Battle Creek	----------	108.2	143.9
Detroit	1,358.1	8,015.3	11,781.5
Flint	28.6	123.6	222.3
Grand Rapids	168.1	383.2	420.6
Jackson	32.2	88.0	109.2
Kalamazoo	28.7	----------	352.4
Lansing	29.4	145.3	183.2
Muskegon	----------	49.1	79.8
Wisconsin:			
Green Bay	----------	74.9	65.2
Madison	----------	160.1	168.7
Milwaukee	820.4	2,033.3	1,910.7
Oshkosh	17.2	42.8	51.2
Minnesota:			
Duluth	244.3	557.7	[1] 444.3
Fairbault	----------	13.5	12.1
Minneapolis	1,327.1	4,601.4	4,736.5
Rochester	----------	22.1	33.1
St. Paul	619.0	1,628.4	1,536.5
South St. Paul	----------	85.2	70.2
Iowa:			
Cedar Rapids	87.0	135.0	162.5
Charles City	----------	12.0	11.3
Davenport	73.0	604.9	654.7
Des Moines	269.4	572.2	511.7
Iowa City	13.3	22.8	26.0
Sioux City	163.4	366.6	365.9
Waterloo	80.2	72.8	84.1
Missouri:			
Carthage	----------	15.0	12.5
Joplin	40.7	89.6	71.7
Kansas City	3,615.5	6,957.5	7,435.7
St. Joseph	374.5	391.0	366.7
St. Louis	3,883.3	7,503.5	7,395.6
Springfield	----------	100.0	89.1
Western	2,410.0	7,776.9	8,920.8
North Dakota:			
Fargo	70.6	96.7	109.3
Grand Forks	19.8	76.0	[1] 80.2
Minot	----------	9.4	[1] 26.2
South Dakota:			
Aberdeen	32.0	77.6	[1] 66.2
Sioux Falls	51.9	58.9	96.4
Watertown	----------	16.5	14.0
Nebraska:			
Fremont	20.7	22.6	20.1
Hastings	11.5	32.0	[1] 36.8
Lincoln	115.9	248.1	[1] 218.4
Omaha	934.6	2,152.0	2,368.1
Kansas:			
Atchison	----------	19.9	20.5
Kansas City	----------	214.4	113.3
Lawrence	10.4	22.0	21.7
Manhattan	----------	15.7	17.3
Parsons	----------	11.5	11.7
Pittsburg	12.0	71.8	73.5
Topeka	78.8	176.4	192.7
Wichita	186.9	403.2	455.9
Montana:			
Billings	26.0	31.9	39.7
Great Falls	----------	39.6	[1] 76.4
Helena	58.9	154.8	192.9
Lewistown	----------	4.8	8.5
Wyoming:			
Cheyenne	----------	31.7	36.0
Colorado:			
Colorado Springs	34.4	62.1	71.7
Denver	478.8	1,706.2	1,993.7
Pueblo	28.1	57.4	88.6
Oklahoma:			
Oklahoma City	128.5	1,420.2	1,632.8
Tulsa	69.7	409.5	661.2
Pacific	6,112.0	26,148.6	33,510.6
Washington:			
Bellingham	----------	43.7	44.7
Seattle	602.7	2,126.0	2,695.9
Spokane	186.9	583.3	683.5
Yakima	20.0	78.6	84.0
Oregon:			
Eugene	7.0	26.1	26.9
Portland	545.3	1,961.9	2,061.2
California:			
Bakersfield	20.6	56.2	74.2
Berkeley	----------	213.6	256.7
Fresno	51.8	190.7	266.4
Huntington Park	----------	10.3	45.5
Long Beach	26.3	346.5	458.5
Los Angeles	1,027.1	7,645.3	11,275.3
Modesto	----------	42.9	52.0
Oakland	175.8	1,000.2	1,029.6
Pasadena	41.8	305.2	370.6
Riversido	----------	39.5	60.6
Sacramento	97.0	439.4	392.1
San Bernardino	----------	95.8	[2] 125.4
San Diego	95.1	253.6	324.6
San Francisco	2,583.3	9,023.9	11,023.7
San Jose	34.5	139.4	[1] 181.6
Santa Barbara	----------	66.5	103.2
Santa Monica	9.6	103.3	113.8
Santa Rosa	12.0	26.2	27.0
Stockton	48.2	143.7	134.4
Idaho: Boise	40.2	55.2	[1] 71.2
Utah:			
Ogden	47.0	76.7	96.7
Salt Lake City	326.3	888.8	1,007.0
Nevada: Reno	14.9	34.2	[2] 36.2
Arizona: Phoenix	----------	118.7	515.5

[1] From Commercial and Financial Chronicle.
[2] Figure for 1928; not included in 1929 totals.

Source: Comptroller of the Currency, Treasury Department.

No. 302.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

[All figures in millions of dollars]

Year	Total	Total, excl. New York City	New York City	Boston district (11 cities)	New York district (7 cities)		Philadelphia district (10 cities)	Cleveland district (13 cities)	Richmond district (7 cities)
					Total	Excl. New York			
1919	455,294	211,175	244,119	25,898	250,880	6,761	19,496	23,559	8,611
1920	483,026	241,596	241,430	28,137	249,375	7,945	22,092	27,677	9,635
1921	399,036	191,941	207,095	21,736	213,911	6,816	18,090	21,105	8,235
1922	439,364	199,509	239,855	22,392	247,067	7,212	19,085	22,290	7,716
1923	463,726	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,501
1924	491,691	228,161	263,530	25,075	271,861	8,331	22,773	25,775	8,208
1925	570,004	256,690	313,374	29,014	322,843	9,469	25,253	28,726	9,193
1926	607,956	268,901	339,055	31,033	348,833	9,778	26,248	30,022	9,336
1927	673,861	282,303	391,558	33,566	401,819	11,260	27,291	32,180	9,231
1928	806,406	306,195	500,211	34,228	511,584	11,374	30,463	33,317	9,085
1929	935,421	332,332	603,089	37,472	616,060	12,972	33,440	36,025	9,379

Year	Atlanta district (15 cities)	Chicago district (21 cities)			St. Louis district (5 cities)	Minneapolis district (9 cities)	Kansas City district (15 cities)	Dallas district (10 cities)	San Francisco district (18 cities)
		Total	City of Chicago	Excl. Chicago					
1919	11,139	59,669	33,595	17,074	12,920	8,240	14,814	6,165	22,903
1920	12,812	59,056	37,954	21,112	13,542	8,902	16,322	7,240	28,226
1921	9,383	46,837	30,832	16,005	10,401	6,788	12,207	5,807	23,037
1922	9,579	49,304	32,331	16,973	10,039	6,971	12,550	6,010	24,502
1923	11,137	55,367	35,279	20,088	12,794	7,495	13,494	6,217	28,936
1924	11,721	55,995	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925	13,914	63,575	40,470	23,105	14,386	9,039	14,193	7,197	32,731
1926	14,264	67,217	42,839	24,378	14,741	8,301	14,824	7,474	35,663
1927	13,790	70,195	45,970	24,225	14,750	8,099	15,088	7,782	39,470
1928	13,707	79,062	51,162	27,900	15,495	9,297	16,083	8,415	45,670
1929	14,267	88,910	58,739	30,171	16,044	10,139	17,818	9,196	46,673

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All districts:												
1919	34,920	28,163	32,171	32,686	37,027	39,211	41,050	37,944	38,532	44,474	42,536	46,565
1920	45,367	35,788	43,431	41,644	39,257	40,347	39,868	36,275	37,378	41,028	39,696	42,948
1921	38,029	29,728	33,903	32,235	32,512	33,606	31,515	30,097	31,625	34,323	33,441	38,020
1922	34,944	30,585	36,932	35,388	37,976	39,236	36,056	34,136	35,768	40,745	36,160	40,437
1923	41,753	35,925	42,185	39,294	40,072	40,574	36,504	33,496	34,060	38,911	38,504	42,448
1924	41,498	37,398	40,739	39,519	40,044	40,230	40,131	38,692	38,972	43,418	41,893	49,157
1925	49,982	41,517	47,623	44,558	46,596	48,631	47,037	43,134	45,264	52,955	48,367	54,399
1926	54,145	44,915	56,464	51,837	48,020	50,662	50,959	47,911	46,954	52,535	47,384	57,070
1927	54,715	48,220	58,518	55,583	54,143	50,820	53,682	53,702	56,750	59,201	57,085	65,441
1928	62,885	54,494	70,634	67,003	71,616	72,485	58,981	58,504	63,176	72,894	71,349	82,386
1929	82,846	70,804	83,556	74,782	76,563	69,601	77,659	77,372	77,656	95,587	82,123	66,783
All districts, excl. New York City:												
1919	16,810	13,671	15,472	15,363	16,697	17,641	18,629	17,668	18,086	20,248	19,185	21,705
1920	21,731	17,734	21,146	20,324	19,676	20,541	20,805	18,904	19,779	20,891	19,525	20,540
1921	17,996	14,599	16,550	15,886	15,342	15,852	15,175	14,911	15,523	16,718	15,949	17,446
1922	15,879	14,042	16,535	15,671	16,322	17,173	16,343	15,840	16,553	18,423	17,133	19,586
1923	19,666	16,906	19,644	18,816	19,388	19,532	18,184	17,307	17,261	19,759	18,521	20,367
1924	19,384	17,512	19,193	18,865	18,639	18,304	18,602	17,776	18,238	20,912	18,846	21,830
1925	22,300	18,593	21,241	20,613	20,417	21,701	21,579	19,869	20,895	24,039	21,358	24,086
1926	23,607	20,102	23,459	22,537	21,449	22,466	23,300	20,778	21,336	23,780	21,594	24,493
1927	23,457	20,781	24,026	23,576	22,873	23,812	22,932	22,048	23,381	25,111	23,803	26,503
1928	25,001	21,755	25,847	25,225	26,346	27,029	23,897	23,401	24,450	27,705	25,880	29,659
1929	28,126	24,515	28,131	26,803	26,520	26,428	28,444	28,339	27,314	32,261	28,519	26,932
New York City:												
1919	18,119	14,492	16,698	17,323	20,330	21,570	22,427	20,276	20,446	24,226	23,351	24,860
1920	23,636	18,054	22,285	21,320	19,581	19,806	19,063	17,371	17,600	20,137	20,171	22,408
1921	20,033	15,130	17,353	16,349	17,171	17,755	16,340	15,186	16,103	17,610	17,492	20,575
1922	19,065	16,543	20,397	20,717	21,654	22,063	19,713	18,287	19,215	22,322	19,027	20,851
1923	22,087	19,019	22,541	20,479	20,704	21,041	18,321	16,189	16,799	19,152	19,983	22,081
1924	22,114	19,886	21,546	20,654	21,406	21,469	20,916	20,734	22,506	23,047	23,047	27,327
1925	27,682	22,924	26,382	23,945	26,179	26,930	25,458	23,265	24,369	28,916	27,009	30,313
1926	30,538	24,813	33,005	29,300	26,571	28,196	27,659	26,233	25,618	28,755	25,790	32,577
1927	31,258	27,439	34,192	32,007	31,270	33,008	30,750	31,653	33,369	34,091	33,282	38,938
1928	37,884	32,740	44,786	41,778	45,270	45,455	35,085	35,102	38,725	45,189	45,469	52,727
1929	54,719	46,289	55,425	47,979	50,043	43,263	49,215	49,034	50,342	63,325	53,604	39,850

Source: Federal Reserve Board.

No. 303.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

NOTE.—All figures in millions of dollars. For totals by districts see Table 302

District and city	1921	1922	1923	1924	1925	1926	1927	1928	1929
Boston district:									
Bangor, Me	187	168	180	169	167	181	185	188	199
Boston, Mass	15,953	16,331	17,948	18,769	21,500	23,450	25,240	25,268	27,540
Fall River, Mass	318	363	413	359	401	355	376	371	354
Hartford, Conn	1,085	1,144	1,314	1,449	1,565	1,682	2,236	2,563	3,084
Holyoke, Mass	152	171	211	182	199	196	243	217	190
Lowell, Mass	233	244	272	231	249	247	243	239	254
New Bedford, Mass	308	340	383	366	404	360	364	322	378
New Haven, Conn	855	901	1,050	1,087	1,164	1,206	1,289	1,403	1,503
Providence, R. I	1,606	1,639	1,826	1,804	1,984	1,958	1,958	2,176	2,374
Waterbury, Conn	288	340	395	403	455	469	489	549	600
Worcester, Mass	751	751	859	857	926	929	943	928	995
New York district:									
Albany, N. Y	1,246	1,251	1,239	1,410	1,544	1,608	1,758	1,853	2,172
Binghamton, N. Y	197	213	242	235	263	270	279	299	330
Buffalo, N. Y	2,929	3,145	3,625	3,630	4,208	4,322	4,437	5,226	6,283
New York, N. Y	207,096	239,855	238,396	263,531	313,373	339,055	391,558	500,211	603,089
Passaic, N. J	259	301	387	397	491	510	547	579	562
Rochester, N. Y	1,491	1,587	1,790	1,856	2,076	2,106	2,194	2,273	2,370
Syracuse, N. Y	693	714	814	802	888	961	1,046	1,144	1,255
Philadelphia district:									
Altoona, Pa	158	162	206	180	189	197	207	207	211
Chester, Pa	224	231	287	278	304	322	275	316	325
Lancaster, Pa	261	270	318	335	360	351	351	396	433
Philadelphia, Pa	15,457	16,767	18,443	18,841	21,109	21,038	22,840	25,678	28,253
Scranton, Pa	779	700	893	906	882	915	923	981	922
Trenton, N. J	573	615	712	755	820	871	905	968	1,038
Wilkes-Barre, Pa	438	420	524	586	589	565	587	611	570
Williamsport, Pa	210	216	217	200	215	230	249	253	272
Wilmington, Del	392	391	463	440	504	581	670	807	1,099
York, Pa	198	212	238	252	274	279	283	298	317
Cleveland district:									
Akron, Ohio	680	683	868	878	1,081	1,130	1,218	1,343	1,442
Cleveland, Ohio	6,422	6,588	7,774	7,588	8,359	9,088	9,793	10,188	11,439
Columbus, Ohio	1,425	1,504	1,803	1,614	1,766	1,926	2,017	2,063	2,319
Dayton, Ohio	655	675	834	816	936	1,058	1,132	1,100	1,299
Erie, Pa	314	315	386	378	412	434	435	454	497
Greensburg, Pa	219	220	257	266	250	249	270	250	255
Lexington, Ky	215	261	289	262	277	281	299	297	340
Oil City, Pa	127	153	158	158	179	172	186	212	235
Pittsburgh, Pa	8,497	8,703	10,097	10,140	11,316	11,342	12,273	12,190	13,516
Springfield, Ohio	194	222	250	234	265	289	287	281	299
Toledo, Ohio	1,390	1,842	2,132	2,168	2,494	2,637	2,857	3,354	2,709
Wheeling, W. Va	403	454	553	543	550	568	560	626	627
Youngstown, Ohio	564	603	740	730	842	848	854	893	988
Richmond district:									
Baltimore, Md	5,091	4,318	4,524	4,527	5,072	5,205	5,052	4,942	5,217
Charleston, S. C	301	297	354	310	314	336	333	1 285	713
Charlotte, N. C	300	378	495	527	590	612	659	690	299
Columbia, S. C	249	262	296	252	237	229	281	292	272
Norfolk, Va	723	794	891	828	865	951	898	859	804
Raleigh, N. C	208	259	364	337	406	313	297	297	300
Richmond, Va	1,364	1,408	1,577	1,518	1,709	1,690	1,711	1,720	1,773
Atlanta district:									
Atlanta, Ga	1,254	1,331	1,603	1,669	1,905	1,961	1,886	2,026	2,553
Augusta, Ga	291	312	370	330	348	320	331	331	329
Birmingham, Ala	727	943	1,290	1,410	1,604	1,726	1,794	1,806	1,785
Chattanooga, Tenn	423	377	449	450	515	582	587	594	632
Jacksonville, Fla	533	563	652	730	1,188	1,341	1,047	903	908
Knoxville, Tenn	308	318	377	378	383	413	423	441	435
Macon, Ga	210	215	254	257	291	287	270	272	245
Mobile, Ala	311	313	355	342	423	470	483	482	496
Montgomery, Ala	180	204	260	262	292	288	314	333	344
Nashville, Tenn	1,171	795	876	886	978	1,003	1,090	1,220	1,326
New Orleans, La	3,001	3,262	3,552	3,882	4,314	4,146	4,189	4,109	4,095
Pensacola, Fla	77	75	86	86	107	107	96	92	90
Savannah, Ga	538	490	540	409	560	603	610	534	522
Tampa, Fla	281	300	377	440	904	921	579	468	416
Vicksburg, Miss	76	82	93	100	102	96	92	95	91
Chicago district:									
Bay City, Mich	130	121	128	136	158	162	157	153	166
Bloomington, Ill	121	121	137	136	155	156	157	172	192
Cedar Rapids, Iowa	514	303	333	410	500	486	499	546	573
Chicago, Ill	30,832	32,331	35,279	35,723	40,470	42,839	45,970	51,162	58,739
Davenport, Iowa	346	406	406	354	382	410	432	510	504
Decatur, Ill	159	165	182	191	232	240	248	250	258
Des Moines, Iowa	842	826	976	1,025	894	975	986	997	1,022
Detroit, Mich	5,746	6,385	7,918	8,226	9,971	10,482	10,225	13,427	14,759
Dubuque, Iowa	151	153	174	174	183	185	195	202	190
Flint, Mich	255	301	387	367	380	439	524	605	632

For footnotes see p. 290

No. 303.—Debits to Individual Accounts: Volume Reported by Banks in 141 Principal Cities—Continued

District and city	1921	1922	1923	1924	1925	1926	1927	1928	1929
Chicago district—Continued.									
Fort Wayne, Ind.	346	368	472	485	522	510	516	560	637
Grand Rapids, Mich.	978	739	801	803	1,026	1,040	905	[1] 1,052	1,107
Indianapolis, Ind.	1,631	1,706	1,880	1,811	1,884	2,207	2,223	2,279	2,503
Kalamazoo, Mich.	212	218	249	245	273	292	307	344	358
Lansing, Mich.	250	296	416	352	403	402	385	420	512
Milwaukee, Wis.	2,766	2,886	3,283	3,142	3,398	3,620	3,700	3,740	3,796
Peoria, Ill.	408	429	474	487	554	571	578	644	739
Rockford, Ill.	241	239	288	293	339	381	398	432	470
Sioux City, Iowa	482	771	898	934	1,033	976	867	699	753
South Bend, Ind.	284	370	471	487	594	608	588	596	651
Waterloo, Iowa	143	177	217	213	221	236	244	273	290
St. Louis district:									
Evansville, Ind.	258	341	387	354	472	492	581	582	462
Little Rock, Ark.	507	555	732	805	884	979	954	905	1,022
Louisville, Ky.	[2] 1,565	1,645	1,906	1,908	2,262	2,358	2,312	2,468	2,524
Memphis, Tenn.	1,203	1,422	1,736	1,650	1,823	1,821	1,952	1,912	2,196
St. Louis, Mo.	[2] 6,868	6,975	8,033	8,006	8,944	9,090	8,951	9,548	9,841
Minneapolis district:									
Aberdeen, S. Dak.	74	66	67	73	84	81	81	90	86
Billings, Mont.	90	89	97	86	91	95	100	117	120
Duluth, Minn.	911	885	921	1,270	1,277	954	1,112	1,004	1,004
Fargo, N. Dak.	132	135	148	139	173	186	188	229	242
Grand Forks, N. Dak.	68	81	95	84	101	108	99	103	98
Helena, Mont.	125	118	113	114	114	108	109	116	124
Minneapolis, Minn.	3,581	3,609	3,886	4,408	5,069	4,684	4,838	5,205	6,010
St. Paul, Minn.	[2] 1,706	[2] 1,901	2,072	1,974	2,037	1,987	2,074	2,148	2,261
Superior, Wis.	98	87	97	92	93	98	99	104	105
Kansas City district:									
Albuquerque, N. Mex.	86	105	114	118	121	132	144	155	162
Bartlesville, Okla.	115	122	138	151	193	251	286	213	279
Colorado Springs, Colo.	134	139	150	155	185	181	181	202	208
Denver, Colo.	1,723	1,798	1,951	1,977	2,130	2,159	2,119	2,196	2,434
Joplin, Mo.	107	131	168	173	210	222	187	172	185
Kansas City, Kans.	186	196	239	234	237	245	246	247	245
Kansas City, Mo.	3,698	3,679	4,176	4,036	4,465	4,633	4,656	5,077	5,699
Muskogee, Okla.[3]	208	310	298	151	154	145	145	146	153
Oklahoma City, Okla.	1,059	973	939	913	1,036	1,134	1,202	1,304	1,569
Omaha, Nebr.	2,137	2,312	2,456	2,207	2,437	2,387	2,408	2,601	2,767
Pueblo, Colo.	220	196	210	232	246	247	268	262	285
St. Joseph, Mo.	828	707	739	730	742	748	682	714	704
Topeka, Kans.	188	171	189	185	211	212	230	248	249
Tulsa, Okla.	996	1,186	1,182	1,009	1,269	1,532	1,577	1,658	1,906
Wichita, Kans.	528	532	544	508	557	596	[4] 698	829	882
Dallas district:									
Austin, Tex.	154	172	204	218	249	238	238	238	271
Beaumont, Tex.	170	174	195	199	214	259	288	301	344
Dallas, Tex.	1,755	1,867	2,076	2,179	2,527	2,542	2,620	2,868	3,134
El Paso, Tex.	392	373	366	399	397	381	385	426	401
Fort Worth, Tex.	1,215	1,323	1,033	862	909	1,018	1,139	1,277	1,377
Houston, Tex.	1,422	1,344	1,480	1,509	[5] 1,984	[5] 2,116	2,186	2,319	2,586
Shreveport, La.	348	385	423	428	474	484	468	506	539
Texarkana, Tex.	80	85	114	103	113	126	126	128	123
Tucson, Ariz.	84	87	92	102	109	109	111	128	142
Waco, Tex.	190	200	234	228	221	201	221	224	233
San Francisco district:									
Boise, Idaho	137	147	150	140	151	163	169	187	191
Fresno, Calif.	576	608	613	400	468	485	495	436	424
Long Beach, Calif.	291	423	710	607	572	591	580	674	752
Los Angeles, Calif.	5,385	6,212	8,419	8,921	9,458	10,475	11,199	12,912	14,622
Oakland, Calif.	975	1,088	1,451	1,481	1,720	2,065	2,697	3,017	2,846
Ogden, Utah	180	260	346	286	320	249	226	234	245
Pasadena, Calif.	272	305	379	387	417	445	481	487	490
Portland, Oreg.	1,789	1,652	1,867	1,942	1,999	2,195	2,046	2,202	2,371
Reno, Nev.	132	125	125	96	104	111	114	123	156
Sacramento, Calif.	715	756	538	520	438	394	480	605	625
Salt Lake City, Utah	771	702	766	780	865	855	862	927	1,012
San Diego, Calif.	408	469	553	580	669	771	743	753	776
San Francisco, Calif.	9,289	8,658	9,482	9,768	11,496	12,598	15,052	18,384	16,987
Seattle, Wash.	1,650	1,807	2,051	2,167	2,425	2,551	2,616	2,953	3,207
Spokane, Wash.	556	532	598	567	627	670	603	696	737
Stockton, Calif.	247	265	299	286	317	325	343	352	345
Tacoma, Wash.	441	446	465	480	524	548	539	569	603
Yakima, Wash.	127	127	124	127	160	162	160	173	187

[1] Includes figures for Charleston, S. C., for the first 4 months and figures for Greenville, S. C., for the last 8 months of the year. Greenville substituted for Charleston, in national summaries beginning May, 1928.
[2] Revised figure partly estimated.
[3] Figures for Muskogee prior to December, 1923, include debits to accounts of banks.
[4] Includes debits of $64,250,000 for June–December, 1927, of 10 banks not reporting until June, 1927.
[5] Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

12. WEALTH

(Data in this section relate to continental United States)

No. 304.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons (see price tables in sec. 14)

[All figures, except per capita, in millions of dollars]

Year	Amount (millions of dollars)			Amount per capita (dollars)		
	Total	Taxable	Exempt	Total	Taxable	Exempt
1850	7,136	7,136		308	308	
1860	16,160	16,160		514	514	
1870 (currency basis)	30,069	30,069		780	780	
1870 (gold basis)	24,055	24,055		624	624	
1880	43,642	41,642	[1] 2,000	870	830	40
1890	65,037	61,204	3,833	1,036	975	61
1900	88,517	82,305	6,213	1,165	1,083	82
1904	107,104	100,273	6,831	1,318	1,234	84
1912	[2] 186,300	[2] 173,986	12,314	1,950	1,820	129
1922	320,804	300,298	20,506	2,918	2,731	186

Form of wealth	1900	1904	1912	1922
Grand total	88,517	107,104	[2] 186,300	320,804
Real estate, plant and equipment, total	69,848	83,801	141,700	229,406
Real property taxed	46,325	55,510	[2] 96,923	155,909
Real property exempt	6,213	6,831	12,314	20,506
Livestock	3,306	4,074	6,238	5,807
Farm implements and machinery	750	845	1,368	2,605
Gold and silver coin and bullion	1,677	1,999	2,617	4,278
Manufacturing machinery, tools, etc	2,541	3,208	6,091	15,783
Railroads and their equipment	9,036	11,245	16,149	19,951
Motor vehicles				4,567
Transportation and transmission enterprises (except railroads) total	3,495	4,841	10,265	16,414
Street railways	1,576	2,220	4,507	4,878
Telegraph systems	212	227	223	204
Telephone systems	400	586	1,081	1,746
Pullman and other private cars not owned by railroads	99	123	123	545
Pipe lines				500
Shipping and canals	538	846	[3] 1,491	[4] 2,951
Irrigation enterprises			361	
Privately owned waterworks	268	275	290	361
Privately owned central electric light and power stations	403	563	2,099	4,229
All other, total	15,174	18,462	34,334	75,984
Agricultural products	1,455	1,899	5,240	5,466
Manufactured products	6,087	7,409	14,694	28,423
Imported merchandise	425	496	827	1,549
Mining products	327	408	816	730
Clothing and personal ornaments	2,000	2,500	4,295	39,816
Furniture, carriages, etc	4,880	5,750	8,463	

[1] From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness.
[2] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[3] Includes $402,000,000 value of ships belonging to the United States Navy.
[4] Includes $1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

No. 305.—WEALTH; ESTIMATES FOR EACH GEOGRAPHIC

NOTE.—See headnotes, Tables 304 and 306. For totals see Table 306. For assessed valua

[All figures in thou

Division and State	Real property and improvements		Livestock		Farm implements and machinery		Manufacturing machinery, tools, and implements	
	1912	1922	1912	1922	1912	1922	1912	1922
United States	[3] 109,236,926	176,414,444	6,238,389	5,807,104	1,368,225	2,604,638	6,091,451	16,783,260
New England	7,248,043	13,173,296	152,412	147,822	53,648	69,703	786,480	2,007,629
Maine	485,859	1,019,946	32,745	32,987	15,628	20,830	69,941	148,362
New Hampshire	335,212	664,968	16,015	16,588	6,020	6,911	38,562	116,796
Vermont	255,994	395,370	30,651	35,296	10,695	17,605	19,089	47,359
Massachusetts	4,118,216	7,150,110	43,149	35,082	12,111	13,775	377,873	1,046,430
Rhode Island	600,747	912,419	6,875	5,261	1,884	1,557	93,860	211,406
Connecticut	1,452,015	3,024,483	22,977	22,608	7,310	9,025	187,155	437,195
Middle Atlantic	30,315,702	41,522,524	519,263	466,545	177,726	279,728	1,994,416	5,326,950
New York	16,910,263	20,757,834	263,578	225,149	89,173	134,379	813,601	2,133,897
New Jersey	3,856,915	5,850,567	45,848	37,872	13,865	18,028	303,596	999,086
Pennsylvania	9,548,524	14,914,123	209,827	203,524	74,638	127,321	877,219	2,193,873
East North Central	23,748,446	37,400,845	1,301,591	1,194,289	289,229	533,219	1,415,243	4,313,565
Ohio	5,173,708	10,176,297	273,612	248,248	54,181	86,177	423,068	1,330,529
Indiana	2,957,867	4,654,789	227,006	203,370	43,733	80,633	178,385	473,498
Illinois	10,046,320	12,568,726	386,701	319,023	79,474	159,557	451,209	1,194,793
Michigan	3,067,379	5,790,479	184,783	167,484	54,141	84,200	199,266	831,778
Wisconsin	2,503,172	4,210,354	229,489	256,164	57,700	122,652	163,225	482,967
West North Central	18,890,287	29,199,775	1,838,987	1,664,077	403,249	848,737	383,455	951,731
Minnesota	3,391,615	5,204,208	217,832	228,685	56,775	132,862	83,648	241,484
Iowa	5,111,230	7,173,551	491,614	466,802	102,981	223,773	58,520	143,628
Missouri	3,264,059	5,790,306	303,101	248,056	55,328	98,586	125,038	333,027
North Dakota	1,261,388	1,625,963	125,614	98,225	49,878	94,095	5,245	9,470
South Dakota	639,662	2,072,618	145,815	152,592	38,101	85,646	6,044	11,048
Nebraska	2,316,850	3,630,655	265,474	250,865	48,112	104,500	35,084	80,808
Kansas	2,705,483	3,796,474	284,537	218,852	52,074	104,275	49,876	126,266
South Atlantic	7,536,325	16,662,387	485,604	507,101	107,213	189,116	545,735	1,182,166
Delaware	172,148	328,375	8,795	7,238	3,417	4,910	16,694	52,085
Maryland	1,345,484	1,968,289	45,904	42,821	12,509	20,007	85,043	219,387
District of Columbia	902,024	1,274,899	1,795	542	84	66	13,786	22,097
Virginia	1,176,104	2,772,373	85,954	92,653	19,757	35,576	66,657	104,146
West Virginia	1,399,190	3,250,693	55,993	58,043	7,406	13,155	60,272	119,953
North Carolina	700,300	2,371,365	85,068	103,397	20,316	33,853	85,120	238,327
South Carolina	506,607	1,189,944	61,304	61,927	15,605	32,945	98,943	132,579
Georgia	904,984	1,954,736	106,429	101,764	23,177	39,908	90,429	150,411
Florida	429,484	1,551,713	34,422	38,716	4,942	8,696	28,791	74,181
East South Central	3,381,632	6,923,148	439,418	397,499	80,654	137,296	222,239	459,293
Kentucky	1,139,434	1,864,939	136,524	112,090	21,962	34,593	41,219	97,856
Tennessee	831,914	2,499,378	120,175	115,059	22,504	42,982	50,650	145,206
Alabama	933,661	1,419,872	86,921	84,718	17,813	26,821	95,250	160,989
Mississippi	476,623	1,138,959	89,798	85,632	18,375	32,900	35,120	55,242
West South Central	7,227,378	11,047,953	722,173	587,968	128,079	227,326	250,665	519,270
Arkansas	890,977	1,481,167	88,302	74,514	18,487	36,264	30,525	48,928
Louisiana	1,028,989	[1] 1,531,235	64,773	65,511	17,065	28,139	88,307	164,146
Oklahoma	[2] 1,699,348	2,072,955	174,194	120,136	30,404	57,031	21,965	97,857
Texas	3,608,064	5,962,606	394,904	327,807	62,123	105,892	109,868	208,339
Mountain	2,799,847	6,777,124	460,555	514,601	55,555	145,223	163,747	296,726
Montana	650,272	1,223,935	91,708	93,904	11,913	45,358	6,199	48,928
Idaho	143,201	893,175	58,398	70,411	11,912	30,635	18,598	34,723
Wyoming	90,281	589,746	54,435	59,682	4,129	8,624	3,044	28,410
Colorado	1,223,512	1,758,446	88,060	100,664	14,401	35,059	91,354	96,808
New Mexico	147,057	440,772	55,004	47,068	4,717	6,866	3,665	4,735
Arizona	183,409	815,594	43,997	57,658	1,992	6,365	12,610	36,302
Utah	376,008	795,047	39,302	53,055	4,777	9,493	24,491	50,507
Nevada	186,107	265,469	29,651	27,159	1,714	2,828	3,786	6,313
Pacific	8,289,286	13,707,532	318,336	327,202	72,872	174,290	369,471	726,030
Washington	1,888,850	3,257,299	68,242	60,918	18,798	40,416	111,049	203,664
Oregon	1,163,594	2,089,511	74,362	75,176	14,545	31,242	38,108	83,651
California	5,236,822	8,360,722	175,732	191,108	39,529	102,632	220,314	438,775

[1] Not distributed by States in 1922; total $4,278,155,000.
[2] Not shown separately in 1912.
[3] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[4] Includes $402,352,000 value of ships belonging to the United States Navy and $290,000,000 value of privately owned water-supply systems not distributed by States.

DIVISION AND STATE, BY CLASSES OF TANGIBLE PROPERTY

tion of property subject to general property tax in 1927, by States, see Table 223, p. 220

sands of dollars]

Gold and silver coin and bullion [1]	Railroads and their equipment		Motor vehicles [2]	Street railways, shipping, waterworks, etc.		All other		Division and State
1912	1912 (revised)	1923	1922	1912	1922	1912	1923	
2,616,643	18,148,532	19,950,800	4,567,407	[3]10,265,207	[3]15,414,447	34,334,291	[4]80,361,782	United States.
188,386	613,892	759,764	299,461	867,812	983,968	2,247,249	6,972,673	New England.
14,779	97,342	119,353	35,044	77,912	96,371	223,533	533,638	Maine.
8,023	85,204	104,699	18,380	31,073	42,521	137,796	403,272	New Hampshire.
6,500	43,895	53,953	16,170	20,642	43,021	117,352	232,675	Vermont.
101,870	213,277	268,013	146,249	348,842	530,538	1,165,798	3,784,642	Massachusetts.
13,603	28,277	34,671	25,297	53,772	65,130	187,578	668,495	Rhode Island.
23,605	145,897	179,075	58,321	135,571	205,787	415,192	1,349,951	Connecticut.
899,203	3,190,418	3,914,682	824,572	2,792,250	4,277,011	8,012,298	21,051,284	Middle Atlantic.
632,555	1,206,211	1,479,682	384,113	1,787,202	2,594,070	3,961,420	9,326,138	New York.
54,897	434,057	532,263	132,323	302,215	414,776	999,917	3,809,280	New Jersey.
211,751	1,550,150	1,902,737	308,136	702,833	1,268,165	3,050,961	7,915,866	Pennsylvania.
488,704	3,184,542	3,989,211	1,151,490	2,035,017	2,763,670	7,144,772	17,476,925	East North Central.
112,275	821,900	1,009,197	324,733	584,793	754,071	1,679,758	4,560,300	Ohio.
67,445	644,519	790,298	176,518	286,567	358,930	903,428	2,091,690	Indiana.
205,185	942,118	1,221,143	292,664	748,713	982,060	2,640,355	5,494,828	Illinois.
63,658	455,281	571,827	216,492	268,201	442,670	1,004,709	3,299,922	Michigan.
50,201	320,718	396,746	141,083	146,743	225,930	856,522	2,030,185	Wisconsin
285,898	2,715,448	3,333,141	768,598	843,053	1,268,585	5,469,983	7,984,238	West North Central.
51,532	449,603	554,570	141,553	231,846	285,818	949,426	1,758,738	Minnesota.
49,566	476,208	583,887	183,655	133,832	246,538	1,285,015	1,484,848	Iowa.
93,140	499,477	612,795	145,789	267,557	404,419	1,115,248	2,342,431	Missouri.
12,454	249,163	305,530	36,036	17,052	34,387	392,126	264,066	North Dakota.
12,335	187,283	229,631	46,076	25,802	37,190	272,174	291,167	South Dakota.
30,453	310,258	380,413	95,087	79,476	110,217	635,104	761,550	Nebraska.
36,418	543,436	666,315	120,422	87,488	150,016	820,890	1,081,438	Kansas.
226,712	1,721,552	2,134,773	395,355	680,270	1,099,316	3,285,351	7,028,245	South Atlantic.
3,936	17,870	21,919	8,916	20,411	26,630	61,639	175,602	Delaware.
28,723	149,116	183,100	61,561	165,625	257,354	403,079	1,238,211	Maryland.
8,779	17,315	21,231	19,996	64,168	77,745	163,754	280,694	Dist. of Columbia.
37,837	408,626	501,972	63,113	103,842	178,308	503,635	1,083,429	Virginia.
23,590	357,238	441,524	41,207	67,306	133,319	456,936	619,935	West Virginia.
37,027	204,606	251,694	67,779	44,410	81,257	507,962	1,395,438	North Carolina.
25,507	130,580	160,166	35,098	55,766	83,227	366,736	708,959	South Carolina.
45,623	246,422	319,619	53,489	120,509	109,070	616,460	1,098,702	Georgia.
15,090	189,773	233,548	44,106	29,233	62,406	205,150	427,125	Florida.
149,235	887,937	1,092,609	170,162	304,131	491,510	1,945,457	3,318,858	East South Central.
41,650	256,492	314,731	57,337	91,800	161,468	547,922	939,377	Kentucky.
39,068	216,745	269,323	56,734	118,787	148,390	477,855	957,179	Tennessee.
38,212	240,989	295,584	33,496	65,209	138,395	537,315	841,718	Alabama.
30,305	173,711	213,021	28,595	28,275	42,757	382,365	580,584	Mississippi.
175,407	1,321,078	1,635,144	349,397	348,620	760,984	3,037,450	4,742,847	West South Central.
27,064	226,202	278,425	31,302	32,908	60,667	407,436	588,360	Arkansas.
32,739	215,562	264,484	38,439	93,342	143,488	449,035	1,181,418	Louisiana.
34,258	359,550	441,267	80,925	48,416	171,752	749,411	942,601	Oklahoma.
81,346	519,764	640,968	189,731	171,954	385,077	1,431,568	2,030,468	Texas.
69,651	1,330,859	1,635,609	160,400	564,515	503,090	1,140,075	2,173,268	Mountain.
11,119	258,561	316,993	23,308	106,010	111,834	196,976	351,934	Montana.
7,758	130,449	159,946	19,934	95,201	53,933	113,480	266,184	Idaho.
3,593	104,966	128,700	11,397	26,724	25,039	68,561	124,641	Wyoming.
23,696	207,625	364,963	59,893	197,642	143,485	379,022	680,094	Colorado.
6,645	169,032	207,660	9,184	18,070	16,671	10,929	118,880	New Mexico.
4,729	85,531	105,831	13,730	37,983	30,469	86,474	248,336	Arizona.
9,380	144,270	177,314	18,575	57,964	101,497	139,908	329,989	Utah.
2,531	140,425	172,202	4,378	24,921	20,162	64,725	53,210	Nevada.
158,387	1,182,806	1,465,867	447,972	1,339,187	1,489,438	2,051,656	5,235,269	Pacific.
35,800	316,244	390,042	79,904	227,342	247,806	516,733	842,416	Washington.
25,140	293,002	365,252	50,373	145,747	184,070	302,941	540,184	Oregon.
92,447	573,560	710,573	317,695	966,098	1,057,560	1,231,982	3,852,669	California.

[3] Includes $1,445,992,000 value of ships belonging to the United States Navy and $360,885,000 privately owned water-supply systems not distributed by States.
[4] Includes $4,278,155,000 value of gold and silver coin and bullion not distributed by States.

Source: Bureau of the Census, Department of Commerce.

No. 306.—WEALTH: Estimated Value of All Tangible Property Situated in Each Geographic Division and State

Note.—See headnote to Table 304. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherever the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State

Division and State	Amount (millions of dollars)						Total amount per capita (dollars)				
	Total					Taxable					
	1890	1900	1904	1912 [1]	1922 [2]	1922	1890	1900	1904	1912	1922
United States	65,037	88,517	107,104	186,300	320,804	300,298	1,036	1,165	1,318	1,950	2,913
New England	5,223	7,753	8,823	11,918	24,415	22,552	1,111	1,386	1,498	1,781	3,186
Maine	489	682	776	1,018	2,007	1,919	740	982	1,006	1,351	2,586
New Hampshire	325	472	517	658	1,374	1,283	803	1,147	1,214	1,513	3,074
Vermont	266	330	360	505	842	799	709	960	1,035	1,407	2,389
Massachusetts	2,804	4,359	4,656	6,381	12,981	11,895	1,252	1,554	1,672	1,827	3,243
Rhode Island	504	711	799	986	1,925	1,814	1,459	1,658	1,702	1,737	3,086
Connecticut	835	1,199	1,415	2,370	5,286	4,842	1,119	1,320	1,453	2,041	3,614
Middle Atlantic	16,213	24,554	29,478	47,901	77,663	71,358	1,277	1,589	1,763	2,374	3,352
New York	8,577	12,505	14,769	26,664	37,035	33,019	1,430	1,720	1,868	2,694	3,436
New Jersey	1,445	2,734	3,236	6,011	11,794	11,170	1,000	1,451	1,547	2,240	3,524
Pennsylvania	6,191	9,315	11,473	16,226	28,834	27,169	1,177	1,478	1,707	2,036	3,187
East North Central	15,041	19,662	23,991	39,608	63,823	55,516	1,117	1,230	1,416	2,112	3,063
Ohio	3,951	5,019	5,947	9,123	18,489	17,553	1,076	1,207	1,367	1,861	3,048
Indiana	2,095	2,607	3,106	5,359	8,330	8,337	956	1,036	1,174	1,954	2,942
Illinois	5,067	6,977	8,817	15,500	22,233	21,191	1,324	1,447	1,689	2,663	3,295
Michigan	2,095	2,654	3,282	5,298	11,405	10,890	1,001	1,096	1,297	1,828	2,899
Wisconsin	1,833	2,405	2,839	4,328	7,866	7,545	1,087	1,163	1,202	1,808	2,887
West North Central	10,214	13,785	16,830	30,610	48,019	44,080	1,149	1,332	1,546	2,567	3,586
Minnesota	1,692	2,514	3,344	5,432	8,548	8,237	1,300	1,435	1,720	2,529	3,442
Iowa	2,287	3,368	4,048	7,709	10,512	10,197	1,196	1,509	1,828	3,465	4,274
Missouri	2,398	3,244	3,700	5,728	9,982	9,612	895	1,044	1,147	1,717	2,903
North Dakota	337	542	736	2,113	2,467	2,167	1,844	1,699	1,771	3,320	3,692
South Dakota	425	553	680	1,327	2,926	2,744	1,203	1,376	1,530	2,125	4,482
Nebraska	1,276	1,626	2,009	3,721	5,320	5,128	1,205	1,525	1,882	3,049	4,004
Kansas	1,799	1,938	2,253	4,580	6,264	5,995	1,201	1,318	1,468	2,632	3,493
South Atlantic	5,133	6,679	7,937	14,589	29,169	27,282	579	640	716	1,159	2,005
Delaware	176	212	230	305	626	588	1,043	1,146	1,204	1,478	2,728
Maryland	1,085	1,317	1,512	2,236	3,991	3,742	1,041	1,109	1,213	1,694	2,695
District of Columbia	344	929	1,040	1,172	1,597	1,219	1,491	3,332	3,491	3,418	3,879
Virginia	862	1,102	1,288	2,402	4,892	4,542	521	594	666	1,140	2,050
West Virginia	439	660	840	2,428	4,678	4,446	575	688	810	1,897	3,040
North Carolina	584	682	842	1,686	4,543	4,381	361	360	420	740	1,703
South Carolina	401	485	586	1,261	2,405	2,289	348	362	414	811	1,385
Georgia	852	936	1,168	2,163	3,897	3,726	464	422	493	802	1,306
Florida	390	356	431	937	2,440	2,329	995	673	729	1,167	2,368
East South Central	3,137	3,654	4,285	7,411	12,990	12,348	488	484	536	861	1,437
Kentucky	1,172	1,365	1,528	2,277	3,582	3,401	631	636	675	981	1,459
Tennessee	888	957	1,104	1,884	4,228	3,975	502	473	520	848	1,773
Alabama	623	775	965	2,015	3,002	2,891	412	424	494	913	1,244
Mississippi	454	557	688	1,235	2,178	2,081	352	359	416	667	1,216
West South Central	3,264	4,553	5,768	13,209	19,861	18,837	891	697	796	1,422	1,857
Arkansas	455	604	804	1,722	2,600	2,520	403	461	580	1,054	1,439
Louisiana	495	815	1,032	1,990	3,417	3,237	443	590	694	1,158	1,855
Oklahoma	[3] 208	[3] 812	[3] 1,095	[4] 3,118	3,993	3,627	[3] 360	[3] 1,027	[3] 1,092	1,634	1,864
Texas	2,106	2,322	2,837	6,379	9,851	9,453	942	762	841	1,561	2,010
Mountain	2,927	3,244	3,973	6,585	12,206	10,455	2,250	1,925	2,228	2,312	3,435
Montana	453	614	746	1,133	2,223	1,990	3,429	2,523	2,633	2,792	3,601
Idaho	208	276	343	579	1,534	1,238	2,464	1,708	1,795	1,598	3,801
Wyoming	170	281	330	356	976	650	2,796	3,041	3,297	2,253	4,668
Colorado	1,146	938	1,207	2,315	3,230	2,860	2,780	1,738	2,046	2,702	3,285
New Mexico	232	268	332	496	852	737	1,507	1,374	1,587	1,388	2,299
Arizona	189	263	306	457	1,314	1,158	3,108	2,140	2,239	2,052	3,512
Utah	349	413	488	796	1,535	1,361	1,681	1,491	1,609	2,016	3,247
Nevada	180	191	221	454	542	441	3,941	4,503	5,214	5,063	6,998
Pacific	3,825	4,633	6,019	13,777	23,573	21,805	2,076	1,917	2,290	3,062	3,934
Washington	761	782	1,052	3,183	5,122	4,606	2,177	1,509	1,806	2,484	3,600
Oregon	590	633	852	2,057	3,419	3,059	1,882	1,530	1,886	2,816	4,152
California	2,534	3,218	4,115	8,537	15,032	14,050	2,097	2,167	2,582	3,312	4,007

[1] Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes $402,000,000 value of ships belonging to the United States Navy and $200,000,000 value of privately owned water-supply systems not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

[2] Total includes $1,446,000,000 value of ships belonging to the United States Navy, $361,000,000 privately owned water-supply systems, and $4,278,000,000 gold and silver coin and bullion not distributed by States.

[3] Includes Indian Territory.

[4] Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

Source: Bureau of the Census, Department of Commerce.

13. BUSINESS FINANCE

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Wholesale and Retail Trade—Commercial Failures]

No. 307.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

Country	Monetary unit	Mint par	Yearly average rate in dollars							
			1922	1923	1924	1925	1926	1927	1928	1929
North America:		*Dollars*								
Canada	Dollar	1.0000	0.9848	0.9804	0.9873	0.9996	0.9992	0.9997	0.9991	0.9925
Cuba	Peso	1.0000	.9985	.9995	.9998	.9994	.9993	.9997	.9996	.9996
Mexico	do	.4985	.4872	.4855	.4851	.4939	.4831	.4720	.4811	.4818
South America:										
Argentina	Peso (gold)	.9648	.8182	.7857	.7813	.9138	.9215	.9630	.9648	.9513
Brazil	Milreis	[1] .1196	.1295	.1023	.1094	.1220	.1444	.1184	.1197	.1181
Chile	Peso [2]	[2] .1217	.1222	.1224	.1054	.1160	.1208	.1207	.1215	.1206
Colombia [3]	do	.9733	.9239	.9518	.9917	.9835	.9845	.9769	.9769	.9655
Peru [3]	Libra	4.8665	3.8600	4.1100	4.0500	4.0210	3.7410	3.7377	3.9705	3.9998
Uruguay	Peso	1.0342	.7940	.7906	.8227	.9340	1.0147	1.0134	1.0266	.9863
Venezuela [3]	Bolivar	.1930	.1838	.1894	.1923	.1929	.1926	.1898	.1925	.1930
Europe:										
Austria [4]	Schilling [4]	.1407	[4] .000098	[4] .00001	[4] .00001	.1406	.1407	.1408	.1407	.1406
Belgium	Belga [5]	[5] .1390	[5] .07683	[5] .05219	[5] .04044	[5] .04758	[5] .03265	.1392	.1393	.1391
Bulgaria	Lev	[6] .0072	.00688	.00884	.00728	.00732	.00721	.00724	.00721	.00722
Czechoslovakia	Koruna [7]	[7] .0296	.02415	.02955	.02954	.02966	.02962	.02962	.02963	.02961
Denmark	Krone	.2680	.2095	.1836	.1672	.2113	.2623	.2073	.2074	.2068
Finland	Markka	[8] .0252	.02163	.02683	.02508	.02522	.02521	.02520	.02517	.02516
France	Franc	[9] .0392	.03201	.03081	.05237	.04767	.03243	.03924	.03921	.03916
Germany	Reichsmark [10]	.2382	.00232	.00002	[10]	.2380	.2380	.2376	.2386	.2381
Greece	Drachma	[11] .0130	.03306	.01714	.01790	.01561	.01258	.01317	.01304	.01263
Hungary	Pengo [12]	.1749	[12] .00091	[12] .00016	[12] .00002	[12] .00001	.1756	.1747	.1744	.1744
Italy	Lira	[13] .0526	.04756	.04602	.04358	.03978	.03889	.05156	.05257	.05233
Netherlands	Florin	.4020	.3850	.3910	.3821	.4016	.4010	.4011	.4022	.4016
Norway	Krone	.2680	.1750	.1667	.1304	.1788	.2233	.2005	.2669	.2668
Poland	Zloty [14]	[14] .1122	.000188	.000014	[14]	.1774	.1118	.1129	.1121	.1119
Portugal	Escudo	1.0805	.06670	.04253	.03385	.05040	.05125	.05029	.04468	.04471
Rumania	Leu	[15] .0060	.00697	.00494	.00498	.00483	.00462	.00604	.00613	.00596
Spain	Peseta	.1930	.1548	.1445	.1384	.1434	.1490	.1706	.1659	.1468
Sweden	Krona	.2680	.2617	.2555	.2652	.2685	.2676	.2681	.2680	.2678
Switzerland	Franc	.1930	.1907	.1806	.1822	.1933	.1931	.1926	.1926	.1928
United Kingdom	Pound	4.8665	4.4292	4.5748	4.4171	4.8289	4.8682	4.8610	4.8062	4.8569
Yugoslavia	Dinar	.1930	.01352	.01072	.01282	.01705	.01765	.01760	.01760	.01750
Asia:										
Hong Kong	Dollar	[16]	.5571	.5260	.5247	.5652	.5333	.4921	.5007	.4717
China	Shanghai tael	[16]	.7493	.7202	.7268	.7577	.6842	.6210	.6430	.5842
Do	Mexican dollar	[16]	.5463	.5202	.5236	.5555	.4992	.4503	.4647	.4215
Do	Haikwan tael [3]	[16]	.83	.80	.81	.84	.76	.69	.71	.64
Do	Yuan dollar	[16]	.5561	.5262	.5270	.5691	.4998	.4394	.4614	.4190
India	Rupee	.3650	.2874	.3111	.3178	.3626	.3633	.3631	.3647	.3620
Japan	Yen	.4985	.4780	.4858	.4119	.4704	.4712	.4741	.4641	.4610
Malaya (British)	Straits Settlements dollar	.5678	.5350	.5125	.5615	.5627	.5605	.5628	.5601	.5601

[1] Parity of the milreis was established at 11.96 cents by laws of Dec. 18, 1926, and Jan. 5, 1927.
[2] Quotations prior to 1926 are for the paper peso (1913 average, 19.53 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.
[3] Data for 1922 to 1925 for Colombia, Peru, and Venezuela and for all years for the haikwan tael, China, compiled by the Bureau of Foreign and Domestic Commerce from publications of the individual countries.
[4] Quotations for 1923 to 1924 are for the krone, par 20.26 cents.
[5] Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.
[6] The lev was stabilized at 0.72 cents Nov. 22, 1928; former par value, 19.3 cents.
[7] Nominal par value, 20.26 cents. Stabilized in March, 1925, at 2.96 cents.
[8] Pre-war par of the markka, 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.52 cents.
[9] In June, 1928, the currency was reestablished on a gold basis and the new parity of the franc fixed at 3.9179 cents. The former parity was 19.3 cents.
[10] Prior to 1924 quotations are for paper marks. Average for 1 trillion marks Jan. 1 to Oct. 28, 1921, 23 cents; for the reichsmark, Oct. 29 to Dec. 31, 1924, 23.80 cents.
[11] In May, 1928, the drachma was reestablished on a gold basis and stabilized at a new parity of 1.30 cents; former parity, 19.3 cents.
[12] Prior to 1926 quotations are for the paper krone (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo, valued at 17.49 cents and exchangeable for 12,500 paper kronen.
[13] In December, 1927, the lira was stabilized at 5.26 cents. The former par value was 19.3 cents.
[14] Prior to 1924 quotations are for Polish marks, par 23.82 cents; thereafter for the zloty. The average rate for January to May, 1924, was 11.3 cents per million marks; for June to December, 19.23 cents for 1 zloty. The par value of the zloty when adopted as the currency unit in 1924 was fixed at 19.3 cents, but in October, 1927, it was stabilized at 11.22.
[15] In February, 1929, the leu was stabilized at 0.598 cent. The former par value was 19.3 cents.
[16] Par varies with the price of silver.

Source: Federal Reserve Board, except as noted.

No. 308.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 307

	Canada (dollar)	Mexico (peso)	Argentina (peso)	Brazil (milreis)	Chile (peso) [1]	Belgium (belga) [2]	France (franc)	German (reichsmark) [3]
	Dollars	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*
1920:								
March	0.8338		0.9841	0.2650	0.2140	0.0746	0.0719	0.0126
June	.8519		.9610	.2510	.1899	.0830	.0792	.0256
September	.9037		.8457	.1829	.1679	.0716	.0674	.0172
December	.8632		.7873	.1525	.1422	.0624	.0592	.0137
1921:								
March	.8781		.7820	.1513	.1476	.0735	.0703	.0160
June	.8876		.6986	.1165	.1086	.0803	.0807	.0144
September	.8985	0.4800	.6963	.1237	.1071	.0717	.0728	.0096
December	.9277	.4842	.7480	.1267	.1078	.0754	.0784	.0053
1922:								
March	.9686	.4929	.8278	.1367	.1141	.0843	.0900	.0036
June	.9884	.4848	.8186	.1372	.1264	.0822	.0876	.0032
September	.9993	.4830	.8108	.1254	.1373	.0723	.0766	.00068
December	.9945	.4845	.8557	.1195	.1241	.0664	.0723	.00014
1923:								
March	.9806	.4886	.8415	.1109	.1267	.0548	.0632	.00005
June	.9766	.4837	.8047	.1043	.1340	.0540	.0630	.000010
September	.9765	.4857	.7485	.0973	.1238	.0490	.0586	[4].0188
December	.9759	.4850	.7233	.0934	.1066	.0458	.0625	[5].000227
1924:								
March	.9696	.4823	.7655	.1145	.0977	.0387	.0468	[5].000220
June	.9844	.4822	.7389	.1075	.1060	.0456	.0525	[5].000234
September	.9994	.4898	.8003	.1009	.1044	.0494	.0530	[5].000238
December	.9965	.4881	.8832	.1151	.1133	.0497	.0540	.2380
1925:								
March	.9987	.4974	.8971	.1104	.1110	.0507	.0518	.2380
June	1.0000	.4966	.9133	.1089	.1132	.0470	.0477	.2380
September	.9999	.4935	.9171	.1352	.1202	.0440	.0471	.2380
December	.9996	.4875	.9421	.1417	.1216	.0453	.0374	.2381
1926:								
March	.9963	.4856	.9033	.1449	.1208	.0423	.0358	.2380
June	1.0010	.4885	.9166	.1562	.1201	.0296	.0204	.2380
September	1.0014	.4873	.9220	.1519	.1213	.0272	.0285	.2381
December	.9993	.4667	.9328	.1185	.1204	.1391	.0395	.2380
1927:								
March	.9990	.4701	.9598	.1185	.1200	.1390	.0391	.2371
June	.9994	.4642	.9644	.1180	.1202	.1389	.0392	.2369
September	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
December	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2389
1928:								
January	.9982	.4869	.9711	.1200	.1221	.1394	.0393	.2383
February	.9981	.4867	.9714	.1201	.1221	.1392	.0393	.2386
March	1.0000	.4874	.9725	.1203	.1221	.1394	.0393	.2390
April	1.0003	.4874	.9719	.1203	.1220	.1396	.0394	.2392
May	.9991	.4856	.9720	.1203	.1219	.1396	.0394	.2393
June	.9976	.4783	.9694	.1199	.1220	.1396	.0393	.2390
July	.9979	.4720	.9614	.1194	.1214	.1394	.0392	.2386
August	1.0000	.4749	.9590	.1194	.1208	.1391	.0391	.2383
September	1.0004	.4785	.9566	.1193	.1209	.1390	.0391	.2383
October	.9997	.4767	.9559	.1195	.1208	.1390	.0391	.2381
November	1.0000	.4789	.9582	.1194	.1206	.1390	.0391	.2382
December	.9979	.4798	.9575	.1189	.1207	.1391	.0391	.2383
1929:								
January	.9976	.4837	.9576	.1192	.1206	.1390	.0391	.2377
February	.9964	.4846	.9577	.1192	.1205	.1389	.0391	.2373
March	.9940	.4805	.9556	.1182	.1206	.1388	.0391	.2372
April	.9924	.4824	.9556	.1183	.1206	.1388	.0391	.2370
May	.9930	.4707	.9552	.1186	.1204	.1388	.0391	.2376
June	.9916	.4785	.9528	.1186	.1204	.1388	.0391	.2384
July	.9948	.4809	.9537	.1186	.1204	.1389	.0392	.2383
August	.9944	.4857	.9539	.1186	.1206	.1390	.0391	.2381
September	.9924	.4843	.9534	.1186	.1206	.1390	.0391	.2381
October	.9883	.4816	.9500	.1187	.1207	.1396	.0393	.2387
November	.9838	.4801	.9392	.1175	.1208	.1399	.0394	.2392
December	.9907	.4801	.9300	.1129	.1209	.1400	.0394	.2394

[1] See note 2, Table 307.
[2] Quotations prior to November, 1926, are for the franc. (See note 5, Table 307.)
[3] Quotations prior to December, 1924, are for paper marks, par $0.2382.
[4] Per million marks.
[5] Per billion marks.

No. 308.—Foreign Exchange Rates, New York, by Months—Continued

	United Kingdom (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	Straits Settlements (Singapore dollar)
1920:	*Dollars*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollars*	*Dollar*	*Dollar*	*Dollar*
March	3.7258	0.0532	0.3679	0.1760	0.2037	1.4870	0.4780	0.4751	-------
June	3.9498	.0591	.3614	.1656	.2183	1.0605	.4100	.5141	-------
September	3.5103	.0434	.3169	.1476	.2021	1.0690	.3361	.5141	-------
December	3.4924	.0349	.3095	.1307	.1959	.7883	.2690	.5035	-------
1921:									
March	3.9111	.0385	.3440	.1397	.2283	.6423	.2595	.4859	-------
June	3.7815	.0498	.3328	.1308	.2256	.6635	.2455	.4707	-------
September	3.7240	.0420	.3166	.1302	.2178	.7300	.2639	.4820	0.4246
December	4.1561	.0444	.3631	.1465	.2453	.7532	.2745	.4792	.4686
1922:									
March	4.3757	.0511	.3785	.1565	.2616	.7075	.2782	.4735	.4953
June	4.4519	.0496	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September	4.4307	.0427	.3879	.1530	.2046	.7701	.2874	.4810	.5164
December	4.6098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
1923:									
March	4.6957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June	4.6147	.0457	.3920	.1492	.2656	.7217	.3099	.4905	.5385
September	4.5422	.0444	.3930	.1358	.2655	.7079	.3060	.4862	.5319
December	4.3601	.0434	.3804	.1304	.2633	.7225	.3101	.4701	.5085
1924:									
March	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
June	4.3190	.0433	.3744	.1346	.2654	.7137	.3049	.4108	.5010
September	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4060	.5151
December	4.6958	.0480	.4042	.1396	.2695	.7647	.3529	.3844	.5399
1925:									
March	4.7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
June	4.8604	.0383	.4014	.1457	.2676	.7609	.3648	.4083	.5658
September	4.8465	.0406	.4021	.1439	.2682	.7847	.3563	.4075	.5659
December	4.8498	.0403	.4019	.1418	.2679	.7568	.3604	.4319	.5663
1926:									
March	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5663
June	4.8661	.0386	.4018	.1576	.2680	.7217	.3629	.4685	.5621
September	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
December	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
1927:									
March	4.8540	.0451	.4001	.1741	.2675	.6050	.3630	.4914	.5596
June	4.8561	.0558	.4005	.1720	.2678	.6274	.3620	.4669	.5598
September	4.8635	.0544	.4008	.1715	.2688	.6121	.3634	.4682	.5599
December	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4619	.5673
1928:									
January	4.8753	.0529	.4033	.1710	.2688	.6375	.3672	.4688	.5677
February	4.8748	.0529	.4026	.1698	.2684	.6311	.3652	.4687	.5670
March	4.8799	.0528	.4025	.1682	.2684	.6305	.3653	.4715	.5635
April	4.8820	.0528	.4031	.1676	.2685	.6325	.3656	.4771	.5625
May	4.8816	.0527	.4035	.1673	.2683	.6645	.3659	.4661	.5614
June	4.8803	.0526	.4033	.1657	.2683	.6623	.3646	.4661	.5614
July	4.8636	.0524	.4025	.1648	.2678	.6523	.3626	.4585	.5604
August	4.8535	.0523	.4011	.1661	.2676	.6500	.3625	.4505	.5598
September	4.8505	.0523	.4009	.1653	.2676	.6369	.3633	.4578	.5607
October	4.8495	.0524	.4009	.1618	.2674	.6404	.3645	.4620	.5634
November	4.8492	.0524	.4014	.1612	.2673	.6400	.3646	.4635	.5644
December	4.8524	.0524	.4017	.1623	.2676	.6355	.3647	.4589	.5625
1929:									
January	4.8499	.0523	.4011	.1630	.2674	.6312	.3645	.4551	.5600
February	4.8521	.0523	.4005	.1556	.2673	.6220	.3636	.4521	.5597
March	4.8526	.0524	.4005	.1507	.2671	.6223	.3636	.4452	.5608
April	4.8532	.0524	.4014	.1475	.2671	.6125	.3631	.4462	.5596
May	4.8508	0524	.4020	.1422	.2672	.5962	.3618	.4465	.5598
June	4.8482	.0523	.4015	.1413	.2676	.5777	.3603	.4388	.5593
July	4.8510	.0523	.4014	.1451	.2680	.5784	.3597	.4556	.5588
August	4.8485	.0523	.4006	.1467	.2679	.5769	.3597	.4669	.5587
September	4.8482	.0523	.4009	.1476	.2678	.5604	.3603	.4727	.5590
October	4.8609	.0524	.4025	.1450	.2684	.5477	.3616	.4776	.5622
November	4.8775	.0524	.4035	.1399	.2687	.5472	.3625	.4873	.5621
December	4.8816	.0524	.4036	.1378	.2696	.5368	.3636	.4896	.5607

Source: The Federal Reserve Board.

No. 309.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS AND ACCEPTANCES, NEW YORK

NOTE.—Rates shown are the range (low and high) for the quarter or month based on weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days; thus, week ending Feb. 2 would be included in January

Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)
		60 to 90 days [1]	Six months	
1913				
Jan.-Mar.	2 - 6	3¼- 6	4 -6	
Apr.-June	1 - 7	3½- 5	4 -6	
July-Sept.	1½- 4½	2¾- 5	4½-6	
Oct.-Dec.	2½-10	4½- 6	4½-5¼	
1914				
Jan.-Mar.	1½-10	2½- 5	3 -5	
Apr.-June	1½- 2	2 - 3¼	2¾-3¼	
July-Sept.	1½-10	2¾-10	3¼-8	
Oct.-Dec.	2½- 8	3½-10	3¾-7	
1915				
Jan.-Mar.	1¾- 3	2¾- 4½	3 -4	
Apr.-June	1 - 2½	2¾- 3¾	2¾-3½	
July-Sept.	1½- 2	2½- 3¾	3 -3¼	
Oct.-Dec.	1½- 2½	2¾- 3	3¾-3½	
1916				
Jan.-Mar.	1¾- 3	2½- 3¼	2¾-3½	
Apr.-June	1½- 4	1¾- 4	3 -4	
July-Sept.	2 - 6	2½- 4	3½-5	
Oct.-Dec.	1¾-15	2¾- 4¾	3¾-4½	
1917				
Jan.-Mar.	1½- 3¼	2½- 4½	2¾-5	
Apr.-June	2 - 6	2¾- 6	4 -6	
July-Sept.	1½-10	3¾- 6	4¼-6	
Oct.-Dec.	2 - 6	5 - 6	5 -6	3¼-3⅜
1918				
Jan.-Mar.	2 - 7½	5¼- 6	5½-6	3⅜-4⅜
Apr.-June	2 - 6	5¼- 6	5¼-6	4¼-4⅜
July-Sept.	3½- 6	5¼- 6	5¾-6	4¼-4⅜
Oct.-Dec.	3½- 6	5 - 6	5¼-6	4¼-4⅜
1919				
Jan.-Mar.	2¾- 7	5 - 5¾	5¼-5¾	4¼-4⅝
Apr.-June	3¼-15	5¼- 6	5 -6	4¼-4⅝
July-Sept.	3 -20	5¾- 8	5¾-8	4¼-5⅜
Oct.-Dec.	2 -30	5¾- 8	5¾-8	4¼-5⅛
1920				
Jan.-Mar.	3 -25	7 -10	7 -9	5 -6⅞
Apr.-June	6 -15	8 - 9	7½-9	5⅞-6½
July-Sept.	5 -20	8 - 9	8 -9	6¼-6¼
Oct.-Dec.	5 -16	6 - 8¼	6 -8½	3⅜-6⅜
1921				
Jan.-Mar.	6 - 9	6 - 7½	6 -8	5¾-6⅛
Apr.-June	5 - 8	6 - 7	6 -7¼	5¼-6
July-Sept.	3½- 6½	5 - 6¼	3¾-5¼	4¾-5¼
Oct.-Dec.	4 - 6	4¾- 5½	4¾-5¾	4⅛-4¾
1922				
January	3 -6	4½-5	4½-5	3¾-4⅛
February	4 -6	4¾-5	4¾-5¼	4 -4⅛
March	3 -5½	4½-5	4½-5	3¾-4⅛
April	3½-5	4¼-4½	4¼-4½	3¼-3⅜
May	3 -5	4 -4½	4¼-4¾	3⅛-3¼
June	2¾-5½	3½-4¼	3½-4½	3 -3⅜
July	3¾-5	3¾-4¼	3¾-4½	3 -3⅛
August	3 -5	3¾-4½	4 -4¾	3 -3¼
September	3½-6	4¼-4¾	4½-5	3 -3⅜
October	4 -6	4¾-5	4¾-5	3½-4⅛
November	3½-6	4¾-5	5 -5	4 -4¼
December	3¾-6	4¾-5	4¾-6	4 -4⅛
1923				
January	3½-5½	4½-5	4½-5	
February	4 -6	4¾-5¼	4¾-5¼	4 -4⅛
March	4½-6	5 -5½	5 -5¼	4 -4⅛
April	4 -6	5¼-5¾	5¼-5¾	4 -4⅛
May	4 -6	5 -5¼	5 -5½	4 -4⅜
June	4 -6	4¾-5¼	5 -5¼	4⅛-4¼
July	4 -6	5 -5¼	5 -5¼	4⅛-4¼
August	4 -6	5 -5½	5 -5½	4⅛-4¼
September	3½-6	5½-5¾	5½-5¾	4¼-4¼
October	4 -6	5 -5½	5 -5½	4¼-4¼
November	4½-5½	5 -5¼	5 -5¼	4⅛-4¼
December	4½-6	5 -5¼	5 -5¼	4⅛-4¼
1924				
January	3¾-5¾	4½-5	4½-5	4 -4⅛
February	4 -5½	4½-5	4¼-5	4 -4⅛
March	2½-5½	4 -5	4½-5	3⅞-4¼
April	3½-5½	4¼-4¾	4½-4¾	4 -4⅛
May	2¾-4½	3¾-4¼	4 -4½	3 -3⅜
June	2 -3	2¾-4	3¼-4¼	2 -2⅞
July	2 -3	2½-3	3¼-3½	2 -2⅝
August	2	2 -3	3 -3½	2 -2⅝
September	2 -3	2½-3¼	3 -3½	2¼-2⅝
October	2 -3	2¼-3	3 -3½	2¼-2⅝
November	2 -4	2¾-3½	3 -3¼	2¼-2⅝
December	2½-5	3¼-3¾	3½-4	2⅞-3⅛
1925				
January	2 -5	3½-3¾	3¾-4	3 -3⅛
February	3 -5	3½-4	3¾-4¼	3 -3⅜
March	3½-6	3¾-4¼	4¼-4½	3¼-3⅜
April	3½-5	3¾-4¼	4 -4½	3⅛-3⅜
May	3½-4	3¾-4	3¾-4	3⅛-3⅜
June	3¾-5	3¾-4	3¾-4	3⅛-3⅜
July	3½-6	3¾-4¼	4 -4½	3¼-3⅜
August	3¾-4½	4⅛-4¾	4⅛-4¾	3¼-3⅝
September	3½-6	4¼-4½	4½-4¾	3½-3⅝
October	4 -6½	4½-5	4¾-5	3½-3⅝
November	4½-5	4¾-5	5	3½-3⅝
December	4½-6	3½-5	3¾-5	3½-3⅝
1926				
January	4 -6	4½-5	4½-5	3½-3⅞
February	4 -6½	4½-5	4½-5	3¾-3⅞
March	4 -6½	4½-5	4½-5	3¾-3⅞
April	3 -6½	4 -4⅝	4 -4⅝	3½-3¾
May	3 -4½	4	4 -4¼	3½-3¾
June	3½-6	4 -4¼	4 -4½	3½-3½
July	4 -5	4¼-4½	4¼-4¾	3¾-3½
August	4 -5	4⅜-5	4½-5¼	3¾-4
September	4½-6	4⅞-5	5 -5¼	3⅞-4
October	4 -5½	4¾-5¼	4¾-5¼	3⅞-4
November	4¼-5	4⅛-4⅞	4⅝-4⅞	3¾-4
December	4½-6	4⅝-4¾	4⅝-4¾	3¾-4
1927				
January	4 -5	4½-4⅝	4½-4⅝	3⅝-3⅞
February	3¾-5	4⅜-4½	4⅜-4½	3⅜-3⅝
March	3½-4½	4⅜-4½	4⅜-4½	3⅜-3¾
April	4 -5	4⅜-4½	4⅜-4½	3⅜-3¾
May	4 -4½	4¼-4½	4⅜-4½	3⅜-3¾
June	4 -5	4⅜-4⅝	4¾-4⅝	3⅝-3⅞
July	3½-4½	4⅛-4⅝	4⅜-4⅝	3⅛-3⅞
August	3½-4	3¾-4⅜	4⅛-4⅜	3⅛-3¼
September	3½-4½	3¾-4⅛	4⅛-4⅜	3⅛-3¼
October	3½-4½	4 -4¼	4¼-4⅜	3¼-3⅜
November	3½-4½	4 -4¼	4 -4½	3¼-3⅜
December	4 -5½	4⅛-4¼	4⅛-4¼	3½-3⅝

[1] For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Annalist; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

No. 310.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

Year and week	Call money	Time loans 60 to 90 days	Time loans 6 months	Bankers' acceptances (90 days)
1928				
Jan. 7	4 - 5½	4⅛-4¼	4⅛-4¼	
Jan. 14	4 - 4½	4⅛-4⅜	4⅛-4⅜	
Jan. 21	3½ - 4½	4¼-4⅜	4⅜-4½	
Jan. 28	3½ - 4½	4⅜-4½	4⅜-4½	
Feb. 4	4 - 5	4⅜-4½	4⅜-4½	
Feb. 11	4 - 4½	4⅜-4⅝	4½-4⅝	
Feb. 18	4¼ - 4½	4½-4⅝	4½-4⅝	
Feb. 25	4 - 4¼	4½-4⅝	4½-4⅝	
Mar. 3	4¼ - 4½	4½-4⅝	4½-4⅝	
Mar. 10	4¼	4½-4⅝	4½-4⅝	
Mar. 17	4	4½-4⅝	4½-4⅝	
Mar. 24	4½	4½-4⅝	4½-4⅝	
Mar. 31	4¾ - 5	4⅝-4¾	4⅝-4¾	
Apr. 7	5 - 5½	4¾-4⅞	4¾-4⅞	
Apr. 14	4½ - 6	4¾-5	4¾-5	
Apr. 21	4½ - 5	4⅞-5	4⅞-5	
Apr. 28	4¾ - 5	5	5	
May 5	4½ - 6	4⅞-5	4⅞-5	
May 12	5½ - 6	4⅞-5	4⅞-5	
May 19	5½ - 6	5 -5⅛	5 -5⅛	
May 26	6	5½	5½	
June 2	5½ - 6½	5⅛-5⅝	5⅛-5⅝	
June 9	5½ - 7	5⅝-6	5⅝-6	
June 16	5½ - 6	5⅝-5¾	5⅝-5¾	
June 23	5½ - 6¾	5¾-5⅞	5¾-5⅞	
June 30	6½ - 8	5¾-6	5¾-6	
July 7	5 -10	5⅞-6	5⅞-6	
July 14	5½ - 8	5¾-6	5¾-6	
July 21	5 - 6½	6	6	
July 28	6½	6	6	
Aug. 4	5½ - 8	6	6	
Aug. 11	6 - 8	6 -6½	6 -6½	
Aug. 18	4½ - 7	6½	6½	
Aug. 25	6 - 7½	6¼-6½	6¼-6½	
Sept. 1	7 - 8	6½	6½	
Sept. 8	7½ - 8	6½	6½	
Sept. 15	7 - 8	7	6¾-7	
Sept. 22	6½ - 9	7 -7½	6¾-7½	
Sept. 29	6 - 8	7¼-7½	7¼-7½	
Oct. 6	6 -10	7¼-7½	7¼-7½	
Oct. 13	6 - 6½	7 -7¼	7 -7¼	
Oct. 20	6½ - 8	7	6¾-7	
Oct. 27	6 - 8	6¾-7	6¾-7	
Nov. 3	7 - 8	6¾-7	6½-7	
Nov. 10	6 - 7	6¾-7	6½-7	
Nov. 17	6 - 6½	6¾-7	6½-7	
Nov. 24	6½	6¾-7	6½-7	
Dec. 1	6½-10	6¾-7	6¾-7	
Dec. 8	8 -12	7 -7½	7 -7½	
Dec. 15	6 - 9	7½-7¾	7½-7¾	
Dec. 22	6 - 9	7½-7¾	7½-7¾	
Dec. 29	9 -12	7¾	7½-7¾	

Year and week	Call money	Time loans 60 to 90 days	Time loans 6 months (1)	Bankers' acceptances (90 days)
1928				
Jan. 3		3⅛-3⅜		
Jan. 9		3¼-3⅜		
Jan. 16		3⅜-3½		
Jan. 23		3⅜-3½		
Jan. 30		3½-3⅝		
Feb. 6		3⅝-3¾		
Feb. 14		3½-3⅝		
Feb. 20		3½-3⅝		
Feb. 27		3½-3⅝		
Mar. 5		3½-3⅝		
Mar. 12		3½-3⅝		
Mar. 19		3½-3⅝		
Mar. 26		3½-3⅝		
Apr. 2		3⅝-3⅞		
Apr. 9		3¾-3⅞		
Apr. 16		3⅞-4		
Apr. 23		3⅞-4		
Apr. 30		3⅞-4		
May 7		3⅞-4		
May 14		3¾-4		
May 21	4	-4⅛		
May 28	4	-4⅛		
June 4	4	-4⅛		
June 11	4	-4⅛		
June 18	4	-4⅛		
June 25		4⅛-4¼		
July 2		4⅛-4¼		
July 9		4⅛-4¼		
July 16		4⅛-4¼		
July 23		4⅛-4⅜		
July 30		4⅜-4¾		
Aug. 6		4⅝-4¾		
Aug. 13		4⅜-4¾		
Aug. 20		4⅜-4¾		
Aug. 27		4⅜-4¾		
Sept. 4		4½-4⅝		
Sept. 10		4½-4⅝		
Sept. 17		4½-4⅝		
Sept. 24		4½-4⅝		
Oct. 1		4½-4⅝		
Oct. 8		4½-4⅝		
Oct. 15		4½-4⅝		
Oct. 22		4½-4⅝		
Oct. 29		4½-4⅝		
Nov. 5		4½-4⅝		
Nov. 12		4½-4⅝		
Nov. 19		4½-4⅝		
Nov. 26		4½-4⅝		
Dec. 3		4½-4⅝		
Dec. 10		4½-4⅝		
Dec. 17		4½-4¾		
Dec. 24		4½-4¾		
Dec. 31		4½-4¾		

Year and week	Call money	Time loans 60 to 90 days	Time loans 6 months (1)	Bankers' acceptances (90 days)
1929				
Jan. 5	6 -12	7½-7¾	7½-7¾	
Jan. 12	6 - 7	7¼	7½	
Jan. 19	6 - 9	7½-7¾	7½-7¾	
Jan. 26	6	7½-7¾	7½-7¾	
Feb. 2	6 - 8	7½-7¾	7½-7¾	
Feb. 9	6 - 9	7½-7¾	7½-7¾	
Feb. 16	6 -10	7½-7¾	7½-7¾	
Feb. 23	6 - 8	7¾	7½-7¾	
Mar. 2	6½-10	7¾	7¾	
Mar. 9	8 -12	7¾	7¾	
Mar. 16	6 - 9	7¾-8	7¾	
Mar. 23	7 -10	8	7¾-8	
Mar. 30	8 -20	8 -8½	8	
Apr. 6	6 -15	8¾-9	8 -9	
Apr. 13	7 -10	9	8½-9	
Apr. 20	7½- 9	8½-9	8 -9	
Apr. 27	7½-16	8¼-8½	8 -8¼	
May 4	10 -15	8¼-8½	8 -8¼	
May 11	6 -14	8½-9	8¼-8¾	
May 18	6 -15	9	8¾	
May 25	6 - 7	9¼-9½	8¾-9	
June 1	6	8½-9	8 -8¾	
June 8	6 - 7	8¼-8½	8¼-8½	
June 15	7 - 8	8¼-8½	8 -8¼	
June 22	7	8 -8¼	7¾-8¼	
June 29	7 -10	7½-8	7½-8	
July 6	6 -15	7½	7½	
July 13	7 - 9	7½	7½	
July 20	7 -12	7¾-8	7¾-8	
July 27	7 -10	7¾-8¼	7¾-8½	
Aug. 3	9 -12	8¼-9	8¼-9	
Aug. 10	7 -12	8¾-9	8¾-9	
Aug. 17	6 - 8	8¾-9	8¾-9	
Aug. 24	6 - 7	8¾-9	8¾-9	
Aug. 31	7 - 9	8¾-9	8¾-9	
Sept. 7	6 - 9	8¾-9	8¾-9	
Sept. 14	7 -10	8¾-9	8¾-9	
Sept. 21	7 -10	9	8¾-9	
Sept. 28	8 -10	9 -9¼	9 -9¼	
Oct. 5	6 -10	9 -9¼	9 -9¼	
Oct. 12	5 - 6½	8 -9	8 -9	
Oct. 19	5 - 7	7¼-7¾	7¼-7¾	
Oct. 26	5 - 6	6½-7½	6½-7¾	
Nov. 2	5 - 6	6 -6½	6 -6½	
Nov. 9	6	6	6	
Nov. 16	5½- 6	5½-6	5½-6	
Nov. 23	4½- 5½	5 -5¾	5 -5¾	
Nov. 30		4½-5	4¾-5	
Dec. 7		4½-4¾	4½-4¾	
Dec. 14		4½-5	4¾-5	
Dec. 21	4½- 5	4¾-5	4¾-5	
Dec. 28	5 - 6	4¾-5	4¾-5	

Year and week	Bankers' acceptances (90 days)
1929	
Jan. 2	4½-4¾
Jan. 7	4¾-5
Jan. 14	4¾-5
Jan. 21	5 -5⅛
Jan. 28	5 -5⅛
Feb. 4	5 -5⅛
Feb. 11	5 -5⅛
Feb. 18	5⅛-5⅜
Feb. 25	5⅛-5⅜
Mar. 4	5⅛-5⅜
Mar. 11	5⅛-5⅜
Mar. 18	5⅛-5⅜
Mar. 25	5⅜-5⅝
Apr. 1	5⅛-5⅜
Apr. 8	5⅛-5⅜
Apr. 15	5⅛-5⅜
Apr. 22	5⅜-5½
Apr. 29	5⅜-5½
May 6	5⅜-5½
May 13	5½-5⅝
May 20	5½-5⅝
May 27	5½-5⅝
June 3	5⅛-5⅜
June 10	5½-5⅝
June 17	5½-5⅝
June 24	5½-5⅝
July 1	5⅜-5½
July 8	5⅛-5¼
July 15	5⅛-5¼
July 22	5⅛-5¼
July 29	5⅛-5¼
Aug. 5	5⅛-5¼
Aug. 12	5⅛-5¼
Aug. 19	5⅛-5¼
Aug. 26	5⅛-5¼
Sept. 2	5⅛-5¼
Sept. 9	5⅛-5¼
Sept. 16	5⅛-5¼
Sept. 23	5⅛-5¼
Sept. 30	5⅛-5¼
Oct. 7	5⅛-5¼
Oct. 14	5⅛-5¼
Oct. 21	5⅛-5¼
Oct. 28	4¾-4⅞
Nov. 4	4⅝-4¾
Nov. 11	4⅝-4¾
Nov. 18	4 -4⅛
Nov. 25	3⅞-4
Dec. 2	3⅞-4
Dec. 9	3⅞-4
Dec. 16	3⅞-4
Dec. 23	3⅞-4
Dec. 30	4 -4⅛

[1] 4 to 6 months beginning with week ended Aug. 3, 1929.

Sources: Call and time rates from The Annalist, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

No. 311.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

Calendar year	Stock and mutual companies								
	Number of companies	Capital	Total assets [1]	Net surplus	Net premiums	Total income	Losses	Dividends	Expenses
1890	580	86,732	322,678	108,734	143,346	157,858	75,335	12,946	49,819
1895	555	70,225	347,564	118,228	161,447	175,750	89,213	14,666	54,203
1900	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
1905	560	76,128	544,182	211,545	270,387	292,995	124,925	22,877	93,310
1910	593	94,734	572,809	209,212	263,303	291,534	123,692	34,857	94,389
1911	593	97,703	745,044	276,956	354,506	388,462	183,477	32,409	128,332
1912	595	96,944	774,985	286,969	367,470	406,326	188,082	31,640	135,517
1913	605	105,196	792,313	285,504	381,037	416,975	202,695	33,460	141,821
1914	596	105,670	815,747	284,523	396,550	430,873	224,640	30,957	143,339
1915	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916	608	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917	636	126,880	1,077,952	399,574	614,647	681,922	203,842	42,477	203,818
1918	630	131,221	1,189,795	378,216	716,980	772,740	335,021	43,505	249,261
1919	761	163,103	1,301,096	453,920	810,881	884,160	335,570	52,474	295,405
1920	789	176,906	1,569,141	464,565	995,295	1,073,625	451,470	63,815	371,479
1921	802	184,554	1,592,351	501,337	832,906	915,921	514,755	64,959	343,209
1922	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,024	337,590
1923	763	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,100
1924	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925	854	269,283	2,092,499	700,462	1,050,676	1,188,087	559,931	81,430	419,427
1926	860	278,498	2,248,197	733,559	1,110,895	1,228,399	581,234	92,897	448,935
1927	870	315,689	2,503,063	908,495	1,108,484	1,259,386	544,254	99,230	448,983
1928	886	385,931	2,867,832	1,124,478	1,131,956	1,371,928	531,536	107,393	469,429

Calendar year	Lloyd's and interinsurance companies					Total			
	Number of associations	Net premiums	Total income	Losses	Total disbursements	Net premiums	Total income	Losses	Total disbursements
1905	37	3,029	3,338	1,371	2,508	273,417	296,333	126,296	243,620
1910	31	3,831	4,111	1,644	3,744	267,134	295,645	125,336	256,681
1911 [2]	28	4,118	4,505	1,441	3,465	358,624	392,967	184,918	347,588
1912 [2]	26	4,157	4,424	1,992	4,101	371,627	410,760	190,073	359,339
1913 [2]	40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,549
1916 [2]	54	13,076	13,746	5,053	11,247	507,012	549,499	250,466	468,098
1917	56	13,642	14,003	5,868	11,326	628,289	695,924	209,710	551,464
1918	65	[3] 20,874	[4] 21,636	[5] 10,470	[5] 18,174	737,854	794,376	346,391	640,863
1919	[2] 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920	[2] 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921	[2] 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922	[2] 125	30,056	32,537	13,282	29,070	881,313	972,105	490,398	917,700
1923	[2] 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	995,588
1924	[2] 140	46,706	50,768	21,858	44,037	1,017,512	1,121,517	546,159	1,035,119
1925	[2] 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926	[2] 121	45,366	49,085	22,274	43,141	1,156,261	1,227,485	603,507	1,165,206
1927	[2] 111	46,489	50,085	22,355	44,233	1,154,922	1,309,471	566,639	1,136,700
1928	[2] 110	51,218	58,262	22,783	47,905	1,183,174	1,430,189	554,318	1,156,261

[1] Exclusive of premium notes.
[2] Figures for 1911 and 1912 cover the business of 24 associations; 1913, 30; 1916, 47; 1919, 95; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; 1927, 106; and 1928, 108.
[3] Premiums of 84 associations.
[4] Income of 88 associations.
[5] Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

No. 312.—FIRE INSURANCE: Outstanding Risks, Continental United States and Outlying Territories and Possessions, December 31

Note.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Premiums charged [1]	Rate on $100	Year	Number of companies	Amount covered	Premiums charged [1]	Rate on $100
1877–1880	171	6,393.8	61.5	$0.9623	1919	159	75,163.8	769.5	$1.0118
1881–1890	152	10,992.8	113.7	1.0347	1920	169	85,970.2	846.3	.9844
1891–1900	140	18,368.0	190.5	1.0373	1921	175	93,715.3	916.6	.9780
1901–1910	156	31,923.7	354.9	1.1116	1922	174	96,283.3	936.4	.9726
1911–1920	181	62,275.8	629.0	1.0101	1923	184	105,927.5	1,017.0	.9601
1914	191	56,012.9	570.7	1.0189	1924	197	115,683.4	1,092.0	.9440
1915	193	58,867.1	588.7	1.0000	1925	210	128,255.2	1,189.9	.9277
1916	199	63,355.3	628.2	.9915	1926	210	137,739.9	1,257.9	.9132
1917	197	72,331.7	698.3	.9654	1927	213	144,777.2	1,305.3	.9014
1918	154	63,083.1	638.1	1.0115	1928	234	149,766.3	1,333.4	.8903

[1] Gross less reinsurance.

Source Insurance Yearbook of the Spectator Co., New York City.

No. 313.—FIRE AND LIGHTNING INSURANCE: Business Transacted by Members of the National Board of Fire Underwriters, Continental United States and Outlying Territories and Possessions

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

	1920	1923	1924	1925	1926	1927	1928
Number of companies, total	169	184	197	210	210	213	234
United States companies	124	137	152	165	168	173	192
Foreign companies	45	47	45	45	42	40	42
Gross insurance written	100,194.7	118,358.5	118,398.0	140,496.9	142,968.8	139,958.8	141,550.0
United States companies	71,409.1	89,798.9	92,323.8	113,406.1	114,053.3	114,026.0	116,675.8
Foreign companies	28,785.6	28,559.6	26,074.3	27,090.8	28,915.5	25,932.9	24,874.2
Gross premiums charged	963.6	1,064.2	1,056.3	1,226.0	1,233.1	1,205.6	1,180.6
Net premiums written	533.9	598.0	595.9	644.3	679.0	639.8	639.5
Net premiums earned	450.9	535.4	571.3	599.0	634.5	627.6	640.0
Net losses paid	220.0	315.1	325.8	351.1	351.6	298.7	301.3
Net losses incurred	246.1	308.5	343.7	354.1	352.9	295.7	298.3
Net expenses	219.5	252.0	263.2	281.2	301.5	288.3	296.1
Agents' compensation	121.0	145.8	149.0	161.5	172.1	163.3	163.8
Taxes	27.6	18.4	20.3	20.1	21.2	20.8	24.8
Average annual rate of premium per $100 insurance	$0.9617	$0.8991	$0.8922	$0.8726	$0.8625	$0.8600	$0.8340
Per cent of—							
Net losses incurred to net premiums earned	54.6	57.6	60.2	59.1	55.6	47.1	46.6
Net losses incurred to net premiums written	46.1	51.5	57.7	55.0	52.0	46.2	46.6
Net expenses to net premiums earned	48.7	47.1	46.1	46.9	47.5	45.9	46.3
Net expenses to net premiums written	41.1	42.1	44.2	43.6	44.4	45.1	46.3
Agents' compensation to net premiums written	22.7	24.4	25.0	25.1	25.3	25.5	25.6
Taxes to net premiums written	5.2	3.1	3.4	3.1	3.1	3.2	3.9

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 314.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS: 1928

NOTE.—Losses are as reported by the chiefs of fire departments, estimated in many cases. Per capita figures are based on total loss where available, otherwise on insurance loss. Population estimates used in computing per capita figures are from the Census Bureau for some cities, from municipal authorities for others

[Amounts, except per capita, in thousands of dollars]

City and State	Number of fires	Total loss (insured and uninsured)	Insurance loss	Loss per capita
Alabama: Birmingham	2,265	613	533	$3.06
Arkansas: Little Rock	1,154	307	207	3.07
California:				
Long Beach	676	260	225	1.73
Los Angeles	8,848	2,550	----	1.06
Oakland	2,303	420	390	1.25
Sacramento	578	158	150	1.50
San Diego	1,067	121	108	.81
San Francisco	5,625	----	----	----
Colorado: Denver	2,296	422	355	1.30
Connecticut:				
Bridgeport	975	51	45	.35
Hartford	1,042	280	264	1.63
New Haven	1,377	824	800	4.43
Waterbury	742	295	250	2.54
Delaware: Wilmington	611	82	----	.65
District of Columbia: Washington	3,064	766	85	1.39
Florida:				
Jacksonville	1,269	367	336	1.98
Miami	932	384	288	2.91
Tampa	877	421	346	2.55
Georgia:				
Atlanta	2,152	873	817	3.11
Savannah	616	----	196	1.96
Illinois:				
Chicago	21,295	13,000	11,349	4.12
Peoria	675	334	313	3.34
Indiana:				
Fort Wayne	1,127	106	102	.85
Gary	649	130	109	1.19
Indianapolis	3,783	----	1,266	3.10
South Bend	888	166	162	1.58
Iowa: Des Moines	1,472	499	485	3.12
Kansas:				
Kansas City	1,377	186	153	1.48
Wichita	888	479	446	4.60
Kentucky: Louisville	2,411	803	726	2.43
Louisiana: New Orleans	1,777	808	----	1.89
Maryland: Baltimore	4,700	1,518	1,438	1.83
Massachusetts:				
Boston	5,742	3,922	3,449	4.89
Cambridge	921	495	466	3.99
Fall River	883	2,715	2,714	21.21
Lowell	1,154	228	224	2.11
Lynn	1,432	504	502	4.79
New Bedford	647	262	----	2.17
Somerville	724	----	201	2.56
Springfield	1,044	361	332	2.37
Worcester	2,036	----	880	4.40
Michigan:				
Detroit	9,460	3,683	----	2.11
Flint	1,121	350	339	2.34
Grand Rapids	1,123	350	343	2.04
Minnesota:				
Duluth	628	380	364	3.17
Minneapolis	4,091	1,744	1,662	3.51
Saint Paul	2,366	538	519	1.71
Missouri:				
Kansas City	4,043	1,832	1,741	3.83
St. Louis	4,463	2,750	2,676	3.44
Nebraska: Omaha	2,313	458	----	$2.05
New Jersey:				
Camden	718	----	31	.23
Elizabeth	593	----	212	1.75
Jersey City	868	319	291	.98
Newark	2,772	1,579	1,436	3.30
Paterson	805	754	738	5.03
Trenton	567	486	410	3.47
New York:				
Albany	1,210	----	478	3.85
Buffalo	2,102	1,909	----	3.07
New York City	25,949	16,024	----	2.70
Manhattan, Bronx, and Richmond	14,145	8,985	----	3.15
Brooklyn and Queens	11,804	7,040	----	2.42
Rochester	1,700	632	----	1.81
Syracuse	1,112	246	----	1.17
Utica	197	311	310	2.85
Yonkers	975	233	217	1.89
Ohio:				
Akron	1,246	314	294	1.33
Canton	437	96	94	.80
Cincinnati	2,052	1,106	998	2.62
Cleveland	5,191	2,895	2,686	2.52
Columbus	1,910	476	435	1.49
Dayton	1,515	482	436	2.56
Toledo	1,890	745	678	2.29
Youngstown	1,013	478	451	2.05
Oklahoma:				
Oklahoma City	1,947	303	288	2.02
Tulsa	1,736	277	----	1.73
Oregon: Portland	2,158	841	824	2.32
Pennsylvania:				
Allentown	180	93	85	.87
Erie	578	67	----	.50
Philadelphia	6,754	5,355	4,890	2.59
Pittsburgh	3,229	1,139	----	1.68
Reading	260	928	----	7.87
Scranton	746	----	482	3.22
Rhode Island: Providence	2,012	817	762	3.05
Tennessee:				
Chattanooga	877	304	284	2.03
Knoxville	868	194	----	1.39
Memphis	2,881	638	515	2.55
Nashville	1,163	1,357	1,084	9.43
Texas:				
Dallas	3,223	1,491	1,220	6.53
El Paso	501	142	139	1.22
Fort Worth	1,801	630	590	3.15
Houston	2,558	1,600	----	5.01
San Antonio	1,198	355	255	1.16
Utah: Salt Lake City	1,326	443	403	2.95
Virginia:				
Norfolk	1,474	338	326	1.79
Richmond	1,698	120	111	.59
Washington:				
Seattle	766	364	317	.82
Spokane	1,433	282	276	2.13
Tacoma	1,350	656	450	4.86
Wisconsin: Milwaukee	3,179	1,640	1,615	2.78
Hawaii Territory: Honolulu	409	69	52	.56

Source: *Report of Committee on Statistics and Origin of Fires, National Board of Fire Underwriters.*

No. 315.—FIRE LOSSES: TOTAL AND PER CAPITA, CONTINENTAL UNITED STATES

NOTE.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of $10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being $214,531,000 as against $258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1878	64,316	1891	143,765	1904	229,198	1917	289,535
1879	77,704	1892	151,516	1905	165,222	1918	353,879
1880	74,643	1893	167,544	1906	518,612	1919	320,540
1881	81,231	1894	140,006	1907	215,085	1920	447,887
1882	84,505	1895	142,110	1908	217,886	1921	495,406
1883	100,149	1896	118,737	1909	188,705	1922	506,541
1884	110,009	1897	116,355	1910	214,003	1923	535,373
1885	102,819	1898	130,594	1911	217,005	1924	549,062
1886	104,925	1899	153,598	1912	206,439	1925	559,418
1887	120,283	1900	160,930	1913	203,764	1926	561,981
1888	110,886	1901	165,818	1914	221,439	1927	472,934
1889	123,047	1902	161,078	1915	172,033	1928	464,607
1890	108,994	1903	145,302	1916	258,378	1929	473,574

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands)	Estimated loss	Loss per capita
1920	370	39,637	151,121	$3.81	106,422	447,887	$4.21
1921	370	40,325	141,406	3.51	108,445	495,406	4.57
1922	366	40,758	147,096	3.61	109,893	506,541	4.62
1923	372	42,947	147,102	3.42	111,693	535,373	4.79
1924	366	43,376	146,223	3.37	113,727	549,062	4.83
1925	370	45,297	160,012	3.53	115,378	559,418	4.85
1926	377	53,244	178,179	3.35	117,136	561,981	4.80
1927	406	51,292	144,619	2.82	118,628	472,934	3.99
1928	445	51,836	140,038	2.70	120,013	464,607	3.87
1929	473	53,411	145,659	2.72	120,700	473,574	3.92

Source: Committee on Statistics, National Board of Fire Underwriters.

No. 316.—LIFE INSURANCE: OPERATIONS OF ALL COMPANIES OF THE UNITED STATES, FROM ORGANIZATION TO JANUARY 1, 1929

NOTE.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau. (See pp. 161 to 163.)

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands)	320,373	[1] 65,093	[2] 255,280
Amount	195,002,815	[1] 150,212,108	[2] 45,390,707
Insurance in force Jan. 1, 1929:			
Number of policies (thousands)	114,995	[1] 29,151	[2] 85,844
Amount	95,206,315	[1] 78,520,733	[2] 16,685,581
Receipts since organization, total	44,348,206	31,103,595	13,244,611
Premium and annuity	34,556,673	23,462,665	11,094,008
Interest, rents, etc	9,791,532	7,640,930	2,150,603
Payments to policyholders since organization, total	20,115,540	15,492,906	4,622,634
Death claims	9,132,296	6,574,441	2,557,855
Endowments and annuities [3]	2,585,038	2,102,780	482,258
Purchased policies, surrender values	3,741,038	3,049,035	692,003
Dividends to policyholders	4,657,168	3,766,650	890,518
Admitted assets, Jan. 1, 1929	15,961,094	10,356,909	5,604,185
Capital, apportioned funds and surplus, Jan. 1, 1929	1,674,264	1,166,183	508,081

[1] Includes group business and ordinary and group business of industrial companies.
[2] Industrial business only.
[3] Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 317.—LIFE INSURANCE: Summary of Financial Condition and Policy Account of All Companies of the United States

NOTE.—See headnote, Table 316

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities,[1] Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
							Number (thousands)		Amount		
					Ordinary[2]	Industrial	Ordinary[2]	Industrial	Total	Ordinary[2]	Industrial
1850							29		69	69	
1860							60		180	180	
1870							839		2,263	2,263	
1880	453		81	56			686	237	1,602	1,582	21
1890	771	679	197	90	742	242	1,320	3,883	4,050	3,621	420
1900	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1901	1,911	1,640	458	192	1,421	599	3,694	12,337	9,594	7,953	1,641
1902	2,092	1,798	505	200	1,504	612	4,160	13,448	10,505	8,699	1,807
1903	2,265	1,979	554	226	1,727	597	4,694	14,607	11,547	9,569	1,978
1904	2,498	2,168	599	247	1,796	613	5,508	15,674	12,548	10,412	2,136
1905	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906	2,924	2,557	667	287	1,451	631	5,793	17,841	13,707	11,253	2,454
1907	3,053	2,736	679	310	1,345	576	5,943	18,844	14,003	11,486	2,577
1908	3,350	2,939	704	336	1,409	594	6,105	19,688	14,519	11,850	2,669
1909	3,544	3,170	748	361	1,656	793	6,535	21,552	15,420	12,452	2,968
1910	3,876	3,386	781	387	1,822	735	6,964	23,034	16,404	13,227	3,177
1911	4,164	3,646	836	414	2,097	773	7,669	24,713	18,003	14,578	3,424
1912	4,409	3,880	893	449	2,240	842	8,159	26,696	19,265	15,556	3,709
1913	4,659	4,136	946	470	2,550	850	8,775	29,432	20,504	16,587	3,977
1914	4,935	4,365	985	509	2,457	858	9,045	31,159	21,589	17,426	4,164
1915	5,190	4,938	1,043	545	2,021	974	9,890	33,142	22,784	18,349	4,435
1916	5,537	5,253	1,118	566	3,213	999	10,698	35,075	24,679	19,868	4,811
1917	5,941	5,634	1,249	590	3,840	1,051	11,552	38,704	27,189	21,966	5,223
1918	6,475	6,202	1,325	710	3,988	1,143	12,708	41,852	29,870	24,167	5,703
1919	6,759	6,432	1,560	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920	7,320	6,989	1,764	745	8,490	1,615	16,696	49,805	42,281	35,092	7,190
1921	7,936	7,548	1,951	838	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922	8,652	8,124	2,149	973	7,506	2,208	18,814	58,283	50,291	41,404	8,887
1923	9,455	8,902	2,427	1,088	9,455	2,615	20,534	63,461	56,804	46,696	10,107
1924	10,394	9,799	2,703	1,174	10,152	3,043	22,092	68,248	63,780	52,436	11,344
1925	11,538	10,867	3,018	1,243	11,817	3,656	23,894	73,736	71,690	58,866	12,824
1926	12,940	12,177	3,330	1,373	12,413	4,048	25,501	77,965	79,644	65,457	14,187
1927	14,392	13,539	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,548
1928	15,961	15,043	4,088	1,699	14,108	4,505	29,151	85,844	95,206	78,521	16,686

[1] Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in 1915 and recent years see Table 318.
[2] Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, insurance statistician, Newark, N. J.; 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 318.—LIFE INSURANCE: Financial Condition and Business of All Companies of the United States

NOTE.—All money figures in thousands of dollars. See headnote, Table 316

	1900	1910	1915	1920	1925	1927	1928
Number of companies	76	214	238	272	308	319	331
Capital stock, Dec. 31	12,832	40,545	52,545	66,905	105,707	132,449	149,471
Income, total	400,603	781,011	1,043,033	1,764,213	3,017,800	3,673,151	4,087,933
Premium income, total	324,724	593,388	784,318	1,384,939	2,383,913	2,874,452	3,145,585
New premiums[1]	62,276	70,180	92,441	274,478	340,566	361,124	378,632
Renewed[1]	256,142	517,536	683,991	1,009,740	1,999,480	2,452,696	2,658,723
Annuities	6,306	5,672	7,886	10,721	43,867	60,632	108,230
Interest and other income, total	75,879	187,623	259,765	379,274	633,887	798,699	942,348
Interest, dividends, etc.	64,949	160,514	229,659	324,372	527,577	641,532	712,672
Rents	8,225	10,310	10,941	16,312	23,125	27,243	30,135
Other	2,706	16,799	18,165	28,592	83,185	129,924	199,541

[1] Includes disability and double indemnity receipts and payments.

No. 318.—Life Insurance: Financial Condition and Business of All Companies of the United States—Continued

	1900	1910	1915	1920	1925	1927	1928
Expenditures, total	267,580	540,342	768,506	1,198,366	1,936,422	2,295,123	2,547,913
Paid to policyholders	168,688	337,302	544,705	744,649	1,242,974	1,499,899	1,698,735
Death losses	100,721	180,654	237,391	349,964	493,391	613,515	705,924
Matured endowments	18,335	46,349	63,383	101,181	114,473	89,160	89,866
Annuities [1]	4,122	7,426	8,860	16,897	38,531	54,837	67,911
Surrendered policies, etc	22,650	77,518	123,706	119,061	248,625	324,525	369,210
Dividends	22,860	75,354	111,275	157,547	351,150	417,862	465,824
Other expenditures	98,892	153,040	223,801	453,717	693,448	795,225	849,178
To agents, commissions, salaries, traveling expenses	61,282	87,629	115,328	257,822	399,499	449,430	468,033
Medical fees, salaries, other employee costs	13,034	26,037	34,312	61,566	99,233	110,792	116,779
Dividends to stockholders	1,028	2,140	3,293	5,308	14,500	18,250	21,120
Other	23,548	37,235	70,868	129,021	180,216	216,744	243,247
Admitted assets, Dec. 31, total	1,742,414	3,875,877	5,190,310	7,319,997	11,537,615	14,391,851	15,961,094
Real estate	158,119	172,961	173,367	172,011	265,938	350,366	402,550
Real estate mortgages	501,499	1,227,232	1,779,279	2,174,863	4,799,216	6,183,591	6,760,792
Stocks owned	794,632	129,622	81,056	51,356	81,462	102,094	232,878
Bonds owned	7,191	1,659,845	2,094,688	3,588,728	4,331,288	5,078,453	5,577,192
Collateral loans	64,489	18,941	16,729	41,301	20,416	27,467	32,912
Premium notes and loans	88,501	495,100	779,159	858,915	1,445,507	1,784,974	2,000,138
Net deferred and unpaid premiums	33,269	50,956	73,475	130,923	251,848	315,202	357,440
Cash in office and bank	75,440	71,113	114,285	124,747	124,252	133,486	140,858
Other	19,276	50,107	78,272	177,152	217,687	416,219	456,333
Asset items not admitted	12,249	25,186	31,597	77,424	119,178	117,326	122,174
Liabilities, Dec. 31, total	1,493,379	3,590,978	4,938,028	6,988,309	10,367,475	13,539,060	15,042,582
Reserve	1,443,452	3,225,906	4,398,894	6,337,970	9,926,515	12,279,202	13,595,738
Losses, etc., unpaid	9,863	17,072	29,588	43,110	64,268	84,208	101,701
Claims resisted	999	1,779	2,569	2,475	5,413	8,290	8,213
Dividends unpaid and left to accumulate	3,598	5,533	20,654	53,048	134,272	185,173	219,295
Surplus apportioned	(2)	279,614	411,887	412,339	503,793	684,666	755,753
Other	35,466	61,014	74,436	140,361	173,213	297,520	361,883
Surplus (including capital)	[2] 249,035	210,440	252,283	330,688	670,140	852,755	918,511
Total surplus funds	249,035	490,054	664,170	743,027	1,233,933	1,537,422	1,674,264
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1,846,287	2,557,053	3,594,497	10,105,445	15,472,999	17,125,459	18,673,575
Ordinary [3]	1,280,205	1,822,260	2,621,014	8,489,971	10,503,128	11,404,909	12,257,462
Group					1,253,619	1,265,940	1,910,539
Industrial	566,002	734,793	973,483	1,615,474	3,656,253	4,454,610	4,505,474
In force Dec. 31, total	8,561,249	16,404,261	22,784,191	42,281,391	71,689,749	87,022,103	95,206,315
Ordinary, total [3]	7,093,220	13,227,213	18,349,285	35,091,538	54,566,797	65,043,873	70,486,444
Whole life	4,790,345	8,811,743	12,425,471	25,583,423	39,299,872	47,097,276	51,110,358
Endowment	1,664,450	3,043,689	3,656,723	6,975,433	9,636,968	11,376,517	12,361,052
Other	638,425	1,371,782	2,267,092	2,532,683	5,629,957	6,570,080	7,015,034
Group					4,209,271	6,429,743	8,034,290
Industrial	1,468,028	3,177,048	4,434,906	7,189,852	12,823,681	15,548,488	16,685,581
NUMBER OF POLICIES (thousands)							
Written during year, total	4,671	6,002	8,464	13,249	20,325	22,177	23,861
Ordinary [3]	729	993	1,495	3,924	3,807	4,266	4,921
Group					3	5	3
Industrial	3,942	5,009	6,968	9,325	16,425	17,907	18,937
In force Dec. 31, total	14,395	29,999	43,032	66,499	97,629	109,392	114,995
Ordinary [3]	3,176	6,964	9,890	16,695	23,882	27,128	29,134
Group					12	18	17
Industrial	11,219	23,034	33,142	49,805	73,736	82,246	85,844

[1] Includes disability and double indemnity receipts and payments.
[2] "Surplus apportioned" included in "surplus, including capital."
[3] Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 319.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)
1859	141,498	1875	1,922,043	1891	3,868,336
1860	163,703	1876	1,735,995	1892	4,208,975
1861	165,256	1877	1,556,105	1893	4,523,473
1862	183,963	1878	1,480,921	1894	4,657,583
1863	267,659	1879	1,439,961	1895	4,818,171
1864	395,703	1880	1,475,995	1896	4,907,576
1865	580,882	1881	1,540,990	1897	5,255,729
1866	865,166	1882	1,637,649	1898	5,630,653
1867	1,161,730	1883	1,763,730	1899	6,205,908
1868	1,528,985	1884	1,870,746	1900	6,947,697
1869	1,836,618	1885	2,024,103	1901	7,672,803
1870	2,023,885	1886	2,223,353	1902	8,440,713
1871	2,101,462	1887	2,475,750	1903	9,241,278
1872	2,114,743	1888	2,703,900	1904	10,028,091
1873	2,086,027	1889	3,147,008		
1874	1,997,236	1890	3,547,035		

(See last column below)

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year[1]	
			Total	Premium	Total	To policy-holders	Number (thousands)	Amount
1860	24,116	17,160	5,998	4,770	2,009	2,102	56	163,703
1870	269,520	221,161	105,026	90,215	68,877	44,949	748	2,023,885
1880	418,119	346,473	76,203	51,954	66,562	52,154	609	1,475,995
1890	758,314	668,228	195,247	151,945	131,289	88,462	1,276	3,547,035
1900	1,723,738	1,478,839	392,359	310,545	281,467	165,705	3,071	6,947,697
1905	2,651,317	2,289,031	619,426	484,407	397,830	257,957	5,306	10,553,840
1906	2,851,784	2,469,767	632,447	494,255	404,215	278,587	5,407	10,616,380
1907	2,917,968	2,506,846	625,719	483,983	401,090	292,406	5,324	10,404,508
1908	3,228,078	2,778,054	644,573	492,677	428,536	318,595	5,468	10,623,734
1909	3,466,643	2,967,162	679,724	507,114	462,480	341,993	5,756	11,110,457
1910	3,665,197	3,164,491	703,921	527,277	488,781	364,127	6,041	11,669,700
1911	3,918,071	3,377,125	750,116	558,425	521,320	387,654	6,621	12,802,989
1912	4,136,484	3,571,929	791,914	590,614	558,736	419,478	7,002	13,527,321
1913	4,351,043	3,802,073	833,681	622,845	586,312	436,968	7,452	14,324,485
1914	4,595,977	4,010,820	865,867	647,438	630,937	477,024	7,851	14,931,151
1915	4,802,904	4,222,318	917,903	677,947	687,250	507,459	8,284	15,609,722
1916	5,099,034	4,483,753	982,831	723,767	702,479	523,978	8,887	16,784,208
1917	5,450,171	4,771,716	1,088,470	801,223	746,051	537,525	9,518	18,457,379
1918	5,907,531	5,276,419	1,146,253	860,814	851,893	642,448	10,198	20,196,274
1919	6,062,858	5,445,006	1,311,956	991,460	944,509	670,161	11,607	24,010,145
1920	6,541,653	5,701,223	1,501,901	1,172,069	1,028,202	691,183	13,200	26,840,198
1921	7,018,030	6,730,880	1,630,785	1,259,192	1,091,160	753,988	14,036	29,145,345
1922	7,592,706	7,346,575	1,816,199	1,392,670	1,297,078	907,808	14,869	31,688,501
1923	8,222,286	7,931,369	2,025,372	1,563,695	1,430,083	997,830	16,055	35,181,051
1924	9,008,862	8,674,222	2,255,490	1,747,767	1,545,802	1,071,516	17,126	41,774,448
1925	10,023,932	9,523,948	2,512,995	1,936,957	1,603,238	1,004,526	18,590	43,751,240
1926	11,234,738	10,660,244	2,789,074	2,142,291	1,762,203	1,200,856	19,826	48,248,043
1927	12,482,167	11,892,865	3,004,172	2,349,484	1,892,802	1,307,218	20,961	52,320,679
1928	13,826,535	13,164,438	3,398,704	2,650,627	2,116,047	1,484,449	22,372	56,609,303

[1] Industrial business and, beginning 1920, group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 320.—LIFE INSURANCE ISSUED AND TERMINATED: ALL COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Industrial and group insurance are not included. See also headnote, Table 319

	Number of policies (thousands)				Amount (thousands of dollars)			
	1925	1926	1927	1928	1925	1926	1927	1928
New issues [1]	2,602	2,703	2,810	3,164	7,788,047	8,190,636	8,379,677	8,754,803
Policies terminated, total	1,298	1,402	1,675	1,723	3,161,294	3,691,896	4,309,553	4,372,053
By—								
Death	131	144	148	166	318,523	366,587	397,382	458,212
Maturity	85	73	62	64	95,396	79,058	684864	69,689
Expiry	212	248	288	330	382,498	412,446	4 50,576	516,283
Surrender	296	326	398	400	748,140	860,584	1,004,584	1,125,566
Lapse	564	653	772	762	1,416,014	1,714,822	2,052,660	1,964,303
Change and decrease	9	17	4	5	199,247	255,868	272,338	234,542
Disability	1	1	1	1	2,476	2,530	2,986	3,459

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

No. 321.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Policies terminated by death, maturity, and expiry are not included in this table. Industrial business and, beginning 1920, group business not included. See also headnote, Table 319

[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued [1]		Terminated by surrender, lapse, and decrease		Year	Issued [1]		Terminated by surrender, lapse, and decrease	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
1865	86	245,427	14	34,780	1897	431	923,805	186	444,429
1866	134	404,508	21	56,893	1898	496	1,018,366	200	433,461
1867	159	471,612	35	105,101	1899	633	1,304,306	214	442,236
1868	202	579,657	50	147,104	1900	687	1,356,770	236	467,226
1869	231	614,762	77	215,030	1901	788	1,470,318	240	454,394
1870	237	587,863	96	264,664	1902	907	1,646,013	281	515,893
1871	210	488,665	125	328,599	1903	976	1,769,682	297	522,709
1872	201	489,925	109	295,750	1904	1,101	1,884,826	349	627,014
1873	199	495,614	119	315,785	1905	1,018	1,733,102	403	701,715
1874	145	351,804	119	302,673	1906	715	1,229,809	415	756,599
1875	133	299,276	96	243,930	1907	569	997,262	314	562,028
1876	99	232,665	87	224,101	1908	592	1,090,979	327	610,084
1877	82	178,234	83	208,851	1909	695	1,284,242	306	570,631
1878	67	156,501	64	172,604	1910	747	1,362,590	296	541,408
1879	67	167,865	45	120,826	1911	812	1,577,846	323	604,383
1880	72	187,504	34	90,292	1912	898	1,702,147	365	701,476
1881	81	222,582	31	82,453	1913	1,016	1,840,578	399	732,319
1882	92	257,517	33	93,928	1914	1,013	1,808,730	433	833,691
1883	110	308,065	38	102,728	1915	1,090	1,928,289	446	859,635
1884	128	321,310	51	125,130	1916	1,257	2,362,193	405	765,096
1885	150	378,215	59	128,945	1917	1,378	2,802,880	403	729,489
1886	151	448,614	47	132,241	1918	1,335	2,965,541	401	731,160
1887	175	531,171	52	146,888	1919	2,134	5,199,839	438	797,237
1888	204	631,732	63	183,307	1920	2,420	6,068,203	561	1,110,157
1889	251	787,665	72	206,450	1921	2,012	4,902,464	881	1,983,026
1890	288	883,787	84	251,660	1922	2,038	5,518,885	877	2,032,856
1891	327	932,706	114	344,287	1923	2,352	6,694,734	827	1,884,043
1892	353	952,884	128	377,407	1924	2,383	7,233,738	908	2,193,928
1893	404	1,058,660	154	435,728	1925	2,602	7,788,047	868	2,362,401
1894	397	985,520	190	506,932	1926	2,703	8,190,636	996	2,831,274
1895	367	864,816	182	453,114	1927	2,810	8,379,677	1,175	3,389,743
1896	350	796,124	188	466,029	1928	3,164	8,754,803	1,169	3,327,868

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

Source of Tables 320 and 321: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 322.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE WRITTEN, BY STATES

NOTE.—Totals in this table and No. 323 do not agree with totals in Tables 316 to 318 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also cover business transacted in continental United States only, while the latter include also foreign business of United States companies

[All figures in thousands of dollars]

Division and State	Ordinary[1]				Industrial			
	1925	1926	1927	1928	1925	1926	1927	1928
Continental United States[2]	12,477,329	13,260,647	13,931,624	15,110,340	3,569,078	3,960,317	4,239,308	4,397,660
New England	858,855	866,943	898,947	943,175	357,871	365,635	373,539	396,770
Maine	53,486	60,703	59,320	64,915	21,974	23,773	22,587	23,938
New Hampshire	34,101	37,771	37,323	43,348	16,174	15,029	15,032	16,420
Vermont	27,825	27,242	28,701	31,277	8,685	8,910	8,234	9,305
Massachusetts	470,568	460,157	486,342	499,049	207,172	207,068	212,683	224,215
Rhode Island	68,111	69,015	71,263	72,775	34,552	37,992	38,842	42,036
Connecticut	204,764	212,055	215,909	236,812	69,314	72,263	75,160	80,258
Middle Atlantic	3,484,222	3,854,558	3,973,677	4,419,214	1,123,960	1,243,784	1,345,481	1,356,580
New York	2,000,440	2,222,306	2,351,724	2,604,822	577,393	619,362	672,718	688,017
New Jersey	480,739	433,834	476,722	589,214	180,396	197,125	221,616	229,888
Pennsylvania	1,013,043	1,198,718	1,145,231	1,225,179	365,671	427,297	451,152	438,675
East North Central	2,879,580	3,350,792	3,454,253	3,851,485	792,998	883,994	907,700	931,312
Ohio	784,703	811,525	873,557	948,876	281,545	314,018	320,840	321,041
Indiana	307,454	333,911	361,167	446,832	143,154	156,325	146,422	145,520
Illinois	990,601	1,181,986	1,200,930	1,090,907	219,310	232,009	252,379	282,314
Michigan	549,575	760,835	748,108	1,065,034	106,113	136,604	139,176	132,511
Wisconsin	247,247	262,535	270,491	299,836	42,877	45,038	48,884	50,426
West North Central	1,324,571	1,310,361	1,428,044	1,442,819	283,433	282,077	273,647	268,405
Minnesota	276,722	275,661	261,075	275,505	28,333	29,867	30,323	31,889
Iowa	254,500	238,208	237,358	254,339	22,470	22,465	24,351	24,797
Missouri	372,988	394,590	494,572	465,777	143,441	162,101	172,204	156,004
North Dakota	45,229	43,835	47,230	50,222	5	7	8	10
South Dakota	52,335	42,533	44,228	43,840	7	11	14	10
Nebraska	169,251	141,038	154,588	167,388	10,456	11,403	12,343	12,201
Kansas	153,546	174,996	189,492	185,748	28,721	36,133	34,404	31,494
South Atlantic	1,117,360	1,152,784	1,218,214	1,199,422	482,447	559,349	612,871	690,235
Delaware	38,928	40,537	49,045	50,649	12,000	11,591	13,057	13,539
Maryland	158,818	163,453	164,109	174,313	85,164	96,061	97,141	102,459
Dist. of Columbia	72,059	76,244	85,585	111,728	29,928	33,298	37,196	38,546
Virginia	145,823	140,073	153,988	152,828	84,598	88,716	101,968	105,798
West Virginia	111,480	125,882	127,254	127,587	32,367	35,551	36,822	33,410
North Carolina	171,529	172,405	193,629	173,852	77,077	88,277	99,224	117,268
South Carolina	86,954	81,160	90,613	99,723	54,390	59,952	78,573	87,200
Georgia	178,362	161,799	210,810	188,778	66,712	81,532	110,211	119,328
Florida	158,398	191,231	139,181	110,964	40,211	64,371	38,679	72,591
East South Central	633,136	572,374	629,094	628,779	253,021	286,564	294,369	317,033
Kentucky	175,504	152,593	184,141	155,445	75,961	93,738	88,232	88,767
Tennessee	218,003	185,663	213,884	235,525	86,498	106,366	115,647	131,464
Alabama	154,576	151,871	155,228	156,728	69,325	64,765	69,786	76,376
Mississippi	85,053	82,247	76,741	81,080	21,237	21,695	20,705	20,435
West South Central	859,220	852,789	926,660	1,027,966	169,495	201,552	232,782	245,348
Arkansas	117,121	111,572	117,598	121,534	19,990	12,291	27,687	25,841
Louisiana	134,060	117,220	129,292	127,742	40,851	45,112	44,406	43,124
Oklahoma	170,151	184,744	202,429	217,744	23,560	29,147	30,437	30,068
Texas	438,649	439,253	477,541	560,945	85,095	115,002	130,252	137,315
Mountain	323,545	317,375	342,516	351,626	32,508	27,529	28,774	27,167
Montana	43,155	38,943	38,177	40,161	4,127	3,148	2,853	2,493
Idaho	47,791	33,647	31,159	44,066	1,605	1,405	1,593	1,330
Wyoming	17,640	22,891	18,475	21,316	13	16	19	21
Colorado	111,306	133,021	155,167	153,573	15,074	16,432	17,630	16,934
New Mexico	14,506	12,973	15,307	19,202	85	64	76	89
Arizona	24,789	21,423	23,424	20,134	22	29	201	320
Utah	53,700	48,973	54,067	65,117	6,606	6,421	6,360	5,956
Nevada	10,658	5,804	6,741	8,367	43	14	16	19
Pacific	972,970	972,407	1,040,893	1,203,342	123,315	149,305	170,115	176,316
Washington	175,591	176,942	180,313	254,602	18,531	20,598	21,712	26,595
Oregon	102,061	100,289	102,959	116,455	7,773	7,950	8,697	9,622
California	695,318	695,176	757,622	831,984	97,011	120,757	139,701	140,099

[1] Includes group insurance. [2] Totals include small amounts not distributed by States.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 323.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE IN FORCE, BY STATES

NOTE.—See headnote, Table 322

[All figures in millions and tenths of millions of dollars]

Division and State	Ordinary [1]				Industrial			
	1910	1920	1927	1928	1910	1920	1927	1928
Continental United States [2]	11,337.0	33,543.0	68,843.1	78,081.3	2,792.0	6,935.8	15,110.9	16,232.3
New England	1,026.3	2,651.2	5,219.3	5,692.7	432.4	894.5	1,805.5	1,915.2
Maine	85.8	200.5	378.1	430.1	16.5	42.4	93.8	100.5
New Hampshire	53.0	119.3	233.7	251.6	14.4	30.6	72.9	78.4
Vermont	57.6	109.9	208.2	226.3	7.0	16.5	37.7	41.7
Massachusetts	592.7	1,500.0	2,811.0	3,038.3	257.3	522.6	1,012.4	1,053.0
Rhode Island	77.2	221.3	429.1	464.5	52.6	102.3	200.7	212.4
Connecticut	160.0	500.3	1,159.2	1,282.1	84.5	180.0	387.9	419.2
Middle Atlantic	3,326.0	9,122.4	20,915.0	23,258.3	1,172.5	2,799.1	6,104.0	6,482.0
New York	1,865.2	5,196.4	12,315.4	13,730.2	705.1	1,342.6	3,089.2	3,330.5
New Jersey	350.9	1,024.9	2,414.1	2,756.4	----------	517.6	1,081.9	1,155.3
Pennsylvania	1,110.0	2,901.1	6,185.5	6,771.7	467.4	938.9	1,932.9	1,996.2
East North Central	2,390.7	7,400.9	15,614.1	19,584.0	569.9	1,481.9	3,241.1	3,495.1
Ohio	681.3	2,063.2	4,277.2	4,711.8	197.1	516.1	1,086.8	1,161.5
Indiana	322.9	847.9	1,650.6	3,503.2	95.8	232.9	481.3	509.4
Illinois	917.0	2,674.7	5,441.2	6,422.2	193.7	469.5	995.4	1,079.2
Michigan	303.9	1,110.2	2,622.8	3,255.3	47.8	159.4	434.1	480.0
Wisconsin	165.7	705.0	1,522.2	1,691.4	35.6	103.9	243.5	264.9
West North Central	1,405.7	4,410.1	7,485.1	8,082.5	163.0	420.0	838.2	899.2
Minnesota	262.3	790.6	1,549.1	1,670.9	16.8	52.1	127.9	138.8
Iowa	269.5	922.0	1,429.4	1,475.9	----------	46.9	81.8	100.0
Missouri	425.5	1,206.6	2,279.1	2,477.5	122.4	254.1	494.9	519.5
North Dakota	56.3	220.9	270.4	289.5	----------	.1	.2	.2
South Dakota	67.7	236.4	267.1	371.8	----------	.2	.3	.2
Nebraska	149.4	540.9	788.1	852.1	3.8	19.9	42.0	46.3
Kansas	145.1	492.8	881.8	944.8	20.0	46.6	91.1	95.2
South Atlantic	1,129.8	3,223.9	6,086.6	6,497.2	248.9	627.8	1,431.3	1,619.9
Delaware	22.0	104.4	207.7	235.6	17.2	32.1	54.7	59.4
Maryland	177.7	454.4	934.8	1,000.9	97.4	197.4	353.7	472.0
Dist. of Columbia	70.5	173.9	414.1	478.1	33.2	34.9	105.7	109.8
Virginia	163.7	520.1	892.6	953.2	30.3	101.1	212.0	221.8
West Virginia	94.7	208.3	640.1	661.7	15.0	51.6	95.9	100.8
North Carolina	143.9	502.9	962.1	1,035.9	22.2	75.7	189.6	205.3
South Carolina	127.3	363.6	493.2	515.9	----------	50.6	127.1	137.6
Georgia	263.0	625.6	957.6	1,025.0	24.7	73.5	201.4	225.4
Florida	66.9	180.8	584.3	590.7	----------	10.8	88.3	87.8
East South Central	874.5	1,607.9	3,080.9	3,263.5	109.7	291.1	593.6	685.8
Kentucky	228.3	464.6	882.0	934.0	63.3	129.3	239.7	244.5
Tennessee	170.6	494.6	990.1	1,076.0	37.5	94.5	201.3	231.0
Alabama	154.8	378.5	751.2	791.8	8.9	47.5	121.7	127.7
Mississippi	120.8	270.2	437.6	461.7	----------	19.8	31.0	32.7
West South Central	479.0	2,115.5	3,997.6	4,431.6	37.3	175.5	448.6	489.7
Arkansas	89.8	293.1	507.2	545.5	2.9	18.4	36.7	38.9
Louisiana	150.2	359.3	689.6	730.8	29.8	66.3	121.7	128.1
Oklahoma	78.7	465.4	827.7	920.6	4.6	27.0	82.6	83.8
Texas	[3] 160.2	997.7	1,973.1	2,234.8	(3)	63.2	207.6	238.9
Mountain	345.5	1,082.0	1,666.2	1,841.8	5.8	49.8	103.0	113.5
Montana	54.1	183.4	235.6	259.2	1.8	7.0	11.7	12.4
Idaho	27.6	141.9	159.4	182.6	----------	2.1	5.2	5.2
Wyoming	17.5	61.0	84.9	92.6	----------	.2	.3	.3
Colorado	145.3	369.1	675.2	738.8	----------	25.0	64.7	68.3
New Mexico	19.0	61.5	84.4	94.6	----------	.1	.4	.4
Arizona	25.4	79.6	129.4	144.2	----------	----------	.7	1.0
Utah	45.5	162.2	256.4	285.6	4.0	15.3	24.9	25.5
Nevada	11.0	23.3	40.9	44.2	----------	.1	.3	.3
Pacific	559.7	1,929.1	4,875.3	5,361.3	52.5	196.4	539.2	580.2
Washington	125.6	453.9	867.4	993.1	8.8	37.3	80.4	86.1
Oregon	79.2	272.1	570.3	611.7	3.6	15.0	33.2	35.4
California	354.9	1,203.0	3,437.5	3,756.5	40.0	144.1	425.6	458.8

[1] Includes group insurance.
[2] Totals for 1927 and 1928 include small amounts not distributed by States.
[3] Industrial included in ordinary.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 324.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of orders and certificates, in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901	489	29,427	8,470	81,029	72,243
1905	570	64,492	11,415	95,675	91,355
1910	497	129,427	18,755	128,632	114,339
1915	472	212,822	28,040	133,341	122,295
1917	533	280,738	32,736	155,090	140,417
1918	506	270,059	71,966	155,878	140,372
1919	463	295,581	57,903	180,124	160,021
1920	[1] 536	326,077	55,562	181,229	165,152
1921	[1] 283	326,520	63,662	194,798	171,174
1922	[1] 245	340,036	77,956	197,663	173,239
1923	[1] 227	490,855	100,837	206,570	128,149
1924	[1] 228	565,929	110,570	216,226	155,325
1925	[1] 224	628,202	125,989	222,147	183,370
1926	[1] 249	650,876	120,193	224,336	181,664
1927	[1] 235	752,517	107,063	238,431	193,298
1928	[1] 262	824,304	196,197	244,900	197,162

Calendar year	Disbursements			Amount of insurance written during year	In force at end of year	
	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901	77,343	64,123	8,850	799,627	5,656,453	4,519
1905	85,154	72,552	11,349	1,026,308	8,150,351	6,119
1910	110,168	92,280	16,897	1,331,553	9,562,512	8,558
1915	123,625	98,720	16,133	922,891	8,694,449	7,696
1917	134,938	97,398	20,712	822,042	9,129,974	7,457
1918	137,191	118,621	17,782	834,170	8,838,579	8,021
1919	172,013	141,380	24,600	1,327,958	9,531,217	10,380
1920	135,807	109,595	26,213	1,177,971	8,879,452	8,439
1921	136,604	107,925	28,679	785,131	9,159,042	8,578
1922	151,589	110,568	34,063	915,555	8,687,930	8,016
1923	151,894	109,545	32,854	795,023	8,758,555	7,514
1924	153,308	116,432	31,789	1,096,813	9,805,648	12,514
1925	160,466	121,241	36,245	1,105,881	9,769,609	8,452
1926	159,264	121,212	34,304	1,033,285	9,834,697	8,549
1927	170,740	130,393	37,163	1,025,522	9,726,662	8,342
1928	181,576	140,159	38,081	1,039,847	9,324,056	9,004

[1] See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 325.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies formerly reporting are not covered in recent years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of companies and certificates, in thousands of dollars]

Year	Number of companies	Admitted assets	Net surplus	Premiums or assessments	Income (including interest)	Paid for claims	Paid to agents, medical examiners, and for management	Total disbursements	Number of certificates written during year	Number of certificates in force at end of year
1901	102	1,617	1,490	2,957	3,201	1,643	1,753	3,348	286,183	310,092
1905	165	3,769	3,198	6,134	7,513	3,513	3,330	6,862	667,809	887,804
1910	197	5,109	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1916	167	8,622	5,776	14,399	16,621	8,845	5,969	15,678	990,436	1,730,035
1917	167	9,972	6,798	15,627	18,134	9,115	5,770	16,162	1,137,077	1,878,222
1918	161	10,250	6,815	15,235	16,742	9,654	5,661	15,796	751,522	1,685,401
1919	123	12,745	8,898	19,295	21,033	10,257	7,605	18,366	797,845	1,837,435
1920	[1] 67	13,709	9,600	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921	[1] 62	15,250	11,149	18,029	22,125	10,584	7,621	19,306	607,438	1,773,787
1922	[1] 82	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923	[1] 127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,361
1924	[1] 107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925	[1] 167	46,682	31,558	40,807	44,903	22,395	15,019	36,572	807,722	2,170,562
1926	[1] 173	44,244	29,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,058
1927	[1] 173	44,992	28,831	47,579	50,892	27,958	18,766	47,008	841,384	2,250,669
1928	[1] 160	41,720	25,850	44,245	48,676	27,900	20,887	45,582	641,859	1,807,292

[1] See headnote.

No. 326.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in United States

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums[1]	Total income	Payments to policyholders[2]	Actual expenses of management (including taxes)	Total expenditures
1895	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900	57	23,572	65,808	27,059	27,188	30,348	12,755	15,419	27,504
1905	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,353
1910	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1915	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1916	186	74,937	642,621	84,178	199,063	220,621	89,370	84,193	183,151
1917	189	74,273	692,195	76,796	241,514	257,518	104,986	95,171	208,048
1918	179	92,239	852,466	87,990	304,614	330,696	122,745	117,792	255,912
1919	174	89,434	926,951	89,651	364,389	392,239	150,176	145,087	313,430
1920	[3] 189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921	[3] 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922	[3] 189	119,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923	[3] 240	138,251	1,492,323	156,999	545,689	582,827	277,395	238,747	532,945
1924	[3] 258	150,009	1,671,188	179,679	613,941	665,305	320,883	251,950	600,568
1925	[3] 274	159,630	1,934,744	202,680	698,729	752,037	347,440	286,024	660,092
1926	[3] 289	186,265	2,173,151	225,542	764,357	827,011	387,311	312,096	729,230
1927	[3] 334	211,356	2,473,647	293,829	834,878	901,494	427,344	341,023	788,865
1928	[3] 358	253,675	2,855,115	372,061	922,112	992,696	445,709	362,830	833,435

[1] Total premium receipts prior to 1910.
[2] Includes all expenses in connection with payment of claims.
[3] Number of companies which show figures for the year.

Source of Tables 325 and 326: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 327.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

[All money figures in thousands of dollars]

Class	1927			1928			1929		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total	379, 574	358, 410	52. 7	712, 582	371, 168	52. 1	761, 167	411, 892	54. 1
Accident[1]	50, 873	23, 802	46. 7	48, 780	23, 960	49. 1	53, 451	26, 237	49. 1
Automobile (not segregated)[2]	10, 063	[1] 5, 635	56. 0	12, 142	6, 274	51. 7	11, 315	7, 261	64. 2
Automobile collision	14, 038	9, 656	68. 8	15, 177	8, 984	59. 2	23, 107	14, 254	61. 5
Automobile fire	192	80	41. 6	385	88	23. 0			
Automobile fire, theft, etc.[3]	2, 001	822	41. 1	1, 700	608	35. 8	1, 957	663	33. 7
Automobile liability	144, 666	81, 792	56. 6	172, 471	91, 814	53. 2	189, 338	105, 383	55. 7
Automobile property damage	57, 697	28, 192	48. 9	55, 720	28, 593	51. 3	64, 399	34, 336	53. 3
Automobile theft	48	21	45. 7	329	132	40. 2			
Burglary and theft	35, 500	12, 441	35. 0	36, 917	12, 595	34. 1	36, 091	13, 155	36. 4
Credit	4, 000	2, 531	55. 0	4, 877	2, 526	52. 9	5, 027	2, 537	50. 5
Engine and machinery	3, 254	802	24. 7	4, 455	945	21. 2	3, 647	907	24. 9
Fidelity	36, 783	16, 746	45. 5	44, 783	20, 177	45. 1	45, 284	20, 626	45. 6
Health[1]	17, 397	10, 917	62. 8	16, 598	10, 412	62. 7	18, 053	11, 942	66. 1
Highway				2, 830	1, 255	44. 4	2, 326	1, 573	67. 6
Liability	53, 603	25, 968	48. 4	59, 362	28, 389	47. 8	61, 807	27, 634	44. 7
Livestock	868	646	74. 4	1, 135	683	60. 2	889	628	70. 7
Noncancelable accident and health	4, 708	2, 093	44. 5	4, 923	2, 444	49. 6	5, 400	2, 690	49. 8
Plate glass	15, 694	5, 536	35. 3	14, 256	5, 185	36. 4	13, 433	5, 617	41. 8
Property damage and collision	2, 155	847	39. 3	2, 399	886	36. 9	2, 825	960	34. 0
Sprinkler	1, 091	370	33. 9	1, 077	416	38. 6	1, 149	362	31. 5
Steam boiler	6, 811	964	14. 1	7, 889	1, 338	17. 0	7, 787	1, 052	13. 5
Surety	61, 333	26, 006	42. 4	56, 388	22, 683	40. 2	57, 555	24, 006	41. 7
Workmen's collective	263	133	50. 7	81	113	139. 5	168	91	54. 4
Workmen's compensation	155, 768	102, 379	65. 7	150, 802	101, 637	67. 4	155, 850	109, 935	70. 5
Other	112	31	27. 7	93	32	34. 4	248	45	18. 1

[1] Combined accident and health included with accident.
[2] Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes.
[3] Data for motor-vehicle fire and theft insurance of fire and marine companies in 1927 and 1928 are as follows: 1927, premiums received $127,449,000, losses paid $60,569,000; 1928, premiums received $118,490,000, losses paid $46,850,000. Data for 1929 are not available.

Source: The Spectator Co., New York, N. Y.

No. 328.—DIVIDEND AND INTEREST PAYMENTS

NOTE.—All figures in thousands of dollars. Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government

Calendar year	Total dividend and interest payments	Interest payments	Dividend payments			
			Total[1]	Industrial and miscellaneous corporations	Steam railroads	Street railways
1913	1, 777, 237	939, 184	838, 053	462, 320	296, 795	58, 873
1914	1, 787, 376	965, 600	821, 776	438, 357	294, 588	64, 417
1915	1, 805, 111	1, 072, 878	732, 233	436, 487	283, 353	61, 790
1916	2, 135, 033	1, 208, 926	926, 107	539, 832	313, 135	72, 241
1917	3, 389, 136	1, 310, 866	1, 078, 270	678, 504	312, 460	77, 910
1918	2, 724, 732	1, 702, 525	1, 022, 207	645, 461	289, 625	76, 821
1919	3, 189, 184	2, 282, 243	956, 942	579, 167	284, 454	71. 719
1920	3, 414, 876	2, 432, 784	982. 092	601. 680	285, 985	72, 888
1921	3, 341, 809	2, 419, 345	922, 464	542, 402	284, 020	71, 041
1922	3, 399, 719	2, 469, 070	930, 649	524, 675	282, 100	70, 818
1923	3§585, 217	2, 621, 966	963, 251	541, 441	286, 120	75, 750
1924	3, 840, 590	2, 827, 901	1, 012, 689	566, 170	301, 195	84, 099
1925	4, 083, 828	3, 014, 953	1, 068, 875	596, 050	315, 015	93, 335
1926	4, 391, 185	3, 218, 500	1, 172, 685	664, 375	331, 115	109, 695
1927	5, 670, 548	3, 471, 398	2, 099, 150	1, 555, 475	349, 500	124, 675
1928	6, 028, 184	3, 702, 674	2, 325, 510	1, 702, 980	391, 480	122, 150
1929	7, 055, 748	4, 109, 948	2, 945, 800	2, 228, 900	454, 000	126, 900

[1] Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

No. 329.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL

NOTE.—**In millions and tenths of millions of dollars.** Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par. Privileged stock subscriptions are included. State and municipal issues include bonds issued by States, counties, and municipalities, and by school and road districts, and other independent governmental bodies. Totals for earlier years are as follows: All issues—1919, $4,286,189,000; 1920, $4,010,048,000; 1921, $4,203,793,000. New capital—1919, $3,588,403,000; 1920, $3,634,834,000; 1921, $3,576,738,000. Refunding—1919, $697,786,000; 1920, $375,214,000; 1921, $627,055,000

Kind of issue	1922	1923	1924	1925	1926	1927	1928	1929
TOTAL								
All issues	5,235.9	4,989.7	6,352.5	7,126.0	7,430.3	9,933.7	9,991.8	11,604.2
Corporate, total	3,073.3	3,232.5	3,838.6	4,738.1	5,299.6	7,319.2	7,817.9	10,036.4
Domestic—								
Long-term bonds and notes	2,191.7	2,249.3	2,319.5	2,667.3	3,059.1	4,466.2	3,174.1	2,369.4
Short-term bonds and notes	133.8	180.5	335.7	308.0	294.5	302.5	264.9	250.6
Preferred stocks	332.8	406.7	346.1	636.8	543.6	1,054.7	1,397.1	1,694.7
Common stocks	287.7	329.2	519.6	610.1	676.6	683.5	2,094.1	5,071.8
Canadian	45.7	43.0	112.4	112.3	203.4	265.4	282.1	314.1
Other foreign	81.7	24.1	205.4	403.7	522.4	546.9	605.5	335.7
Foreign government	431.3	242.8	778.0	645.4	514.1	777.1	651.1	68.3
Farm-loan issues	386.4	392.5	179.1	188.2	131.3	179.6	63.9	----
State and municipal:								
Domestic	1,100.7	1,063.1	1,399.0	1,390.6	1,365.1	1,509.6	1,414.8	1,432.7
Canadian	201.1	50.2	149.0	146.0	109.8	135.3	38.1	61.8
U. S. territories and possessions	43.0	8.2	8.8	8.7	10.4	12.9	6.2	5.1
NEW CAPITAL								
All issues	4,304.4	4,304.4	5,593.2	6,220.2	6,344.1	7,791.1	8,114.4	10,104.9
Corporate, total	2,335.7	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,649.4
Domestic:								
Long-term bonds and notes	1,537.1	1,832.9	1,923.8	2,231.3	2,417.7	2,962.0	2,174.8	1,873.5
Short-term bonds and notes	104.4	143.3	276.1	220.7	249.2	220.7	210.5	204.7
Preferred stocks	202.8	335.1	318.0	594.3	509.3	874.2	1,149.1	1,516.7
Common stocks	277.2	324.1	511.2	558.3	577.8	599.9	1,811.6	4,417.1
Canadian	43.8	43.0	97.8	94.5	140.9	215.6	183.3	314.1
Other foreign	80.4	24.1	195.4	401.7	462.2	518.6	550.2	323.2
Foreign government	416.3	180.8	570.9	540.8	481.3	737.6	550.6	68.3
Farm-loan issues	344.4	337.5	179.1	168.7	91.1	86.8	63.9	----
State and municipal:								
Domestic	1,070.9	1,043.1	1,379.6	1,352.1	1,343.5	1,475.0	1,379.1	1,419.9
Canadian	94.0	26.3	132.4	49.2	60.8	89.3	35.1	52.2
U. S. territories and possessions	43.0	8.2	8.8	8.7	10.4	11.4	6.2	5.1
REFUNDING								
All issues	931.5	685.3	759.3	905.9	1,086.1	2,142.6	1,877.5	1,499.3
Corporate, total	737.5	530.3	516.3	637.4	942.6	1,928.2	1,738.3	1,386.9
Domestic:								
Long term bonds and notes	654.6	416.4	395.7	436.0	641.4	1,504.2	999.3	495.9
Short-term bonds and notes	29.3	37.2	59.6	87.3	45.3	81.8	54.4	45.9
Preferred stocks	40.0	71.6	28.1	42.5	34.3	180.5	248.0	178.0
Common stocks	10.5	5.2	8.4	51.8	98.8	83.7	282.5	654.7
Canadian	1.9	----	14.5	17.8	62.6	49.8	98.8	----
Other foreign	1.2	----	10.0	2.0	60.2	28.3	55.3	12.4
Foreign government	15.0	56.0	207.1	104.6	32.9	39.5	100.5	----
Farm-loan issues	42.0	55.0	----	19.5	40.2	92.8	----	----
State and municipal:								
Domestic	29.8	20.0	19.3	47.5	21.5	34.6	35.6	12.8
Canadian	107.1	23.9	16.6	96.8	49.0	46.0	3.0	9.6
U. S. territories and possessions	----	----	----	----	----	1.5	----	----
CORPORATE ISSUES, NEW CAPITAL								
Total	2,335.7	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,649.4
Railroads	523.8	464.5	779.6	380.3	346.0	505.7	364.1	546.5
Public utilities	726.2	888.0	1,325.6	1,481.0	1,597.9	2,065.3	1,811.5	1,932.0
Iron, steel, coal, copper, etc	184.9	291.9	197.9	133.1	193.2	100.5	208.2	274.4
Equipment manufacturers	10.2	13.8	19.0	13.8	17.8	23.8	9.1	2.4
Motors and accessories	48.4	66.8	29.5	186.1	131.4	94.7	66.3	82.1
Other industrial and manufacturing	239.7	324.3	261.4	501.4	526.9	705.4	852.5	1,187.2
Oil	151.1	194.8	167.1	168.4	262.7	317.3	193.7	270.9
Land, buildings, etc	161.9	250.9	333.4	715.5	709.5	630.4	716.3	520.4
Rubber	19.8	1.7	2.0	64.8	43.2	12.7	55.9	90.0
Shipping	20.5	3.6	13.8	30.1	21.5	26.3	21.2	31.3
Inv. trusts, trading, holding, etc	249.4	202.3	192.9	15.1	71.1	174.9	786.7	2,222.2
Miscellaneous				411.2	435.0	734.0	994.2	1,489.9

Source: Commercial and Financial Chronicle.

No. 330.—CAPITAL ISSUES OF CORPORATIONS

NOTE.—Data cover domestic and foreign corporate issues in the United States of $100,000 or over, both new capital and refunding, excluding real estate offerings and prior to November, 1927, privileged stock subscriptions. Stocks are taken at their offering price, bonds and notes at par

[All figures in thousands of dollars]

Year	Total	Railway and traction[1]				Public utility and industrial[1]			
		Total	Bonds	Notes	Stocks	Total	Bonds	Notes	Stocks
1907	1,393,913	957,049	440,588	267,597	248,864	436,864	183,660	68,100	185,104
1908	1,423,199	999,115	604,114	274,105	120,896	424,084	197,850	21,850	204,384
1909	1,681,621	1,015,207	653,356	52,787	309,065	666,413	322,181	42,625	301,607
1910	1,518,272	876,581	547,649	212,951	115,981	641,691	290,846	61,754	289,091
1911	1,739,488	1,099,206	670,815	326,948	101,443	640,282	322,094	67,590	250,598
1912	2,253,587	1,096,052	503,715	346,310	246,027	1,157,536	379,355	120,076	658,106
1913	1,645,736	953,933	414,081	398,361	141,491	691,803	225,190	156,245	310,368
1914	1,436,518	930,657	433,422	421,999	75,236	505,861	214,977	104,347	186,536
1915	1,435,351	780,217	541,351	216,515	22,351	655,135	241,839	110,919	302,378
1916	2,186,500	779,921	359,114	311,181	109,626	1,406,579	535,175	199,507	671,897
1917	1,529,970	520,752	173,902	308,100	38,750	1,009,219	349,365	244,121	415,703
1918	1,344,810	417,305	158,997	256,843	1,465	927,506	190,598	440,646	296,262
1919	3,021,171	432,615	247,250	182,435	2,930	2,586,556	441,885	552,994	1,593,078
1920	3,196,931	415,935	258,505	145,954	11,475	2,690,996	754,943	790,331	1,145,722
1921	2,634,869	747,990	650,932	62,480	34,587	1,886,870	1,104,978	302,066	419,825
1922	3,423,948	700,238	423,115	248,299	28,823	2,723,710	1,580,695	65,567	1,077,449
1923	3,601,438	692,921	235,427	349,730	57,764	2,908,517	1,556,975	178,963	1,172,579
1924	3,219,146	963,421	599,817	326,273	37,331	2,255,726	1,543,565	102,500	604,661
1925	3,642,012	474,229	332,113	142,116	----------	3,167,783	1,762,136	371,197	1,034,450
1926	3,643,646	360,744	267,733	83,562	9,449	3,282,902	2,059,176	426,927	802,799
1927	5,970,297	791,202	685,406	100,102	5,693	5,179,084	3,505,910	589,532	1,083,642
1928	7,191,173	668,489	410,600	29,500	228,389	6,522,684	2,620,570	274,119	3,627,995
1929	7,217,037	528,660	439,578	26,860	62,222	6,688,377	1,805,327	223,723	4,659,322

Year	All classes of securities issued by—				Year	All classes of securities issued by—			
	Railroads	Public utilities[2]	Manufacturing	Miscellaneous		Railroads	Public utilities[2]	Manufacturing	Miscellaneous
1912	716,029	763,667	458,782	314,510	1921	644,780	743,640	583,708	662,650
1913	816,332	437,126	228,479	163,799	1922	673,713	864,668	566,927	1,318,640
1914	738,575	469,240	105,545	123,158	1923	658,457	1,199,405	696,511	1,047,066
1915	644,794	323,850	309,186	157,491	1924	914,283	1,190,681	643,228	470,955
1916	696,157	603,533	589,420	357,391	1925	432,011	1,533,365	1,009,055	667,581
1917	438,553	341,867	476,784	272,766	1926	360,744	1,667,751	847,629	767,520
1918	237,341	478,494	345,092	283,885	1927	791,202	2,405,298	1,087,272	1,686,515
1919	332,076	549,756	948,376	1,190,964	1928	668,489	2,427,790	2,311,351	1,783,543
1920	328,969	589,953	929,591	1,258,417	1929	528,660	1,559,145	2,578,364	2,550,868

[1] Tractions included with public utility and industrial beginning 1926. [2] Including tractions.

No. 331.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1929

NOTE.—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total				Demand loans				Time loans			
	1926	1927	1928	1929	1926	1927	1928	1929	1926	1927	1928	1929
January	3,513	3,139	4,420	6,735	2,517	2,328	3,393	5,983	996	810	1,027	752
February	3,536	3,256	4,323	6,679	2,495	2,475	3,294	5,948	1,041	781	1,028	730
March	3,000	3,290	4,640	6,804	2,033	2,505	3,580	6,210	967	785	1,060	594
April	2,836	3,341	4,908	6,775	1,970	2,541	3,739	6,204	866	800	1,169	571
May	2,767	3,458	5,274	6,665	1,987	2,674	4,070	6,100	780	784	1,204	565
June	2,926	3,569	4,898	7,071	2,225	2,757	3,742	6,444	701	812	1,157	627
July	2,998	3,642	4,837	7,474	2,283	2,765	3,768	6,870	715	877	1,070	604
August	3,142	3,674	5,051	7,882	2,364	2,746	4,094	7,162	778	928	958	720
September	3,219	3,915	5,514	8,549	2,419	3,018	4,690	7,832	800	897	824	717
October	3,111	3,946	5,880	6,109	2,289	3,023	5,116	5,238	822	923	764	871
November	3,129	4,092	6,392	4,017	2,330	3,134	5,614	3,297	800	958	777	719
December	3,293	4,433	6,440	3,990	2,542	3,481	5,722	3,376	751	952	717	613

Sources: Table 330, New York Journal of Commerce; Table 331, Federal Reserve Board.

No. 332.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Stocks (millions of shares)	227	173	259	236	282	454	451	577	920	1,125
Bonds (millions of dollars):										
Railway and miscellaneous	827	1,043	1,905	1,568	2,345	2,332	2,004	2,142	1,967	2,182
United States Government	2,861	1,957	1,873	796	877	391	202	290	188	142
State, municipal, and foreign	289	324	592	425	582	661	721	837	749	658

Source: Commercial and Financial Chronicle.

No. 333.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) [2]	Bond yields municipal bonds (per cent) [3]
	25 industrials			25 railroads				
	High	Low	Average closing [1]	High	Low	Average closing [1]		
1913	67.08	50.27	58.19	91.41	75.92	82.97	----------	4.45
1914	61.68	48.48	58.08	84.94	66.35	77.57	----------	4.16
1915	109.97	51.85	75.35	82.84	64.40	73.16	76.76	4.23
1916	119.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917	99.74	62.81	85.44	81.22	52.06	69.12	75.58	4.31
1918	91.55	71.31	80.98	70.75	56.95	61.34	69.84	4.58
1919	138.12	80.37	105.77	68.78	54.48	62.06	69.07	4.50
1920	129.83	76.55	107.21	63.55	48.86	55.94	59.70	5.04
1921	90.60	66.24	79.38	53.00	47.59	53.21	60.15	5.02
1922	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.31
1923	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924	135.11	103.26	115.08	81.41	57.80	67.18	74.32	4.21
1925	185.36	128.83	152.65	95.29	73.50	82.48	77.04	4.13
1926	186.03	137.65	165.70	102.60	81.61	93.27	80.36	4.13
1927	247.48	171.49	214.54	124.22	90.34	113.81	83.69	3.99
1928	332.58	233.42	268.92	132.80	112.84	122.06	84.06	4.05
1929	409.49	220.95	366.29	158.71	107.92	135.87	79.21	4.32

[1] Average of daily closing prices for these stocks.
[2] Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.
[3] Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer.

No. 334.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND CHAIN STORES

NOTE.—1923-1925 average=100. Indexes for mail-order houses cover two companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies, which accounts for a considerable part of the increase in the indexes. Sales are much affected by changes in price levels. For price index see Table 335

Year	Mail-order houses	Chain stores			Year	Mail-order houses	Chain stores		
		Grocery	5-and-10-cent	Drug			Grocery	5-and-10-cent	Drug
1919	93	45	53	64	1925	113	118	113	109
1920	93	66	64	78	1926	120	143	125	126
1921	65	59	66	79	1927	126	174	138	143
1922	70	69	74	82	1928	148	208	150	166
1923	89	85	88	93	1929	187	235	164	204
1924	98	97	99	98					

Sources: Mail-order houses, Survey of Current Business; other figures, Federal Reserve Board.

No. 335.—INDEXES OF VALUE OF WHOLESALE SALES

NOTE.—1923–1925 average=100. Indexes of sales have been adjusted for variations in number of firms reporting and monthly indexes for seasonal variations. Sales are much affected by changes in price levels

Year and month	Total sales, 8 lines	Groceries	Meats	Dry goods	Men's clothing	Boots and shoes	Hardware	Drugs	Furniture	General wholesale price index [1]
1919	111	118	145	100	78	140	96	91	----	138
1920	115	126	121	107	106	125	116	95	----	153
1921	87	93	80	91	72	99	80	86	73	97
1922	89	93	83	89	80	97	86	87	85	96
1923	100	100	94	103	99	104	102	97	102	100
1924	98	101	96	97	98	98	97	99	93	97
1925	102	99	110	100	103	98	101	104	105	103
1926	101	98	115	94	95	101	100	107	102	99
1927	97	94	108	89	92	104	95	108	100	95
1928	96	95	113	85	91	98	93	113	98	97
January	96	93	106	89	99	115	92	108	89	96
February	99	98	113	88	99	110	93	110	96	96
March	96	97	109	83	94	96	91	110	95	95
April	92	93	112	78	77	94	86	111	87	97
May	99	99	109	86	96	113	94	117	92	98
June	92	94	112	79	76	82	92	110	94	97
July	94	91	111	80	79	123	91	107	95	98
August	101	100	116	90	90	109	94	117	106	98
September	96	92	122	84	89	90	92	112	112	99
October	97	95	111	85	99	87	97	116	112	97
November	99	94	122	91	95	100	100	113	101	96
December	95	89	115	86	101	72	93	128	94	95
1929	98	95	119	86	91	102	95	117	102	96
January	101	99	117	88	96	119	92	133	91	97
February	96	95	119	83	88	107	86	114	91	96
March	97	91	122	88	98	95	92	108	93	97
April	100	96	123	90	88	96	97	116	100	96
May	102	99	121	89	101	112	96	118	104	95
June	96	93	120	79	96	96	93	111	106	96
July	100	98	121	80	80	138	97	117	107	97
August	104	100	118	91	95	118	98	124	115	97
September	99	93	119	88	91	106	97	116	114	97
October	100	97	116	88	88	91	100	122	118	96
November	96	93	118	84	87	87	97	116	96	94
December	89	90	111	78	81	68	90	111	83	94

[1] Department of Labor index converted to the base 1923–1925 as 100.

No. 336.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES: BY FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—1923–1925 average=100. Index covers about 500 firms. See also headnote, Table 335

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City [1]	Dallas	San Francisco
1919	78	78	76	79	77	84	94	----	----	93	----	98	68
1920	94	91	91	93	98	93	113	----	----	105	----	117	83
1921	87	89	87	89	86	89	96	81	90	97	----	97	79
1922	88	92	89	91	87	86	90	84	89	93	----	90	83
1923	98	98	96	101	100	97	100	99	99	99	----	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	103	103	102	100	104	105
1926	106	105	109	102	103	107	106	109	105	99	95	109	110
1927	107	106	111	98	105	105	107	110	103	97	95	106	113
1928	108	104	112	96	103	106	107	117	104	99	97	108	117
1929	110	106	117	96	105	110	104	119	105	86	100	110	120

Month	United States—unadjusted					Month	United States—with seasonal adjustment				
	1925	1926	1927	1928	1929		1925	1926	1927	1928	1929
January	86	89	89	88	91	January	98	106	106	105	105
February	80	81	83	86	85	February	103	104	107	106	110
March	95	102	100	103	110	March	103	101	105	105	113
April	106	103	111	102	104	April	102	103	105	104	105
May	100	107	102	108	110	May	101	107	103	104	106
June	99	101	101	104	106	June	100	102	103	106	112
July	75	78	75	78	80	July	100	104	104	108	108
August	78	83	80	85	89	August	101	107	111	106	111
September	95	101	100	107	109	September	102	109	108	120	123
October	129	124	119	124	128	October	110	110	106	105	109
November	114	121	122	122	123	November	104	106	107	107	107
December	178	184	186	189	185	December	106	110	111	117	115

[1] Monthly average sales in 1925=100.

Source of Tables 335 and 336: Federal Reserve Board, except as noted.

No. 337.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	*Dollars*				*1,000 dollars*	*1,000 dollars*	*Dollars*
1858	4,225	95,749	22,662	1894	1,114,174	13,885		172,993	12,458
1859	3,913	64,394	16,456	1895	1,209,282	13,197	21,022	173,196	13,124
1860	3,676	79,807	21,710	1896	1,151,579	15,088	56,082	226,096	14,986
1861	6,993	207,210	29,631	1897	1,058,521	13,351	85,014	154,332	11,559
1862	1,652	23,049	13,952	1898	1,105,830	12,186	52,577	130,663	10,722
1863	495	7,899	15,958	1899	1,147,595	9,337	50,221	90,880	9,733
1864	520	8,579	16,498	1900	1,174,300	10,774	78,080	138,496	12,854
1865	530	17,625	33,255	1901	1,219,242	11,002	55,456	113,002	10,279
1866	1,505	53,783	35,736	1902	1,253,172	11,615	58,730	117,477	10,137
1867	2,780	96,666	34,772	1903	1,281,481	12,069	90,014	155,444	12,879
1868	2,608	63,694	24,423	1904	1,320,172	12,199	84,438	144,202	11,820
1869	2,799	75,054	26,815	1905	1,357,455	11,520	57,826	102,676	8,913
1870	3,546	88,242	24,885	1906	1,392,949	10,682	66,610	119,202	11,159
1871	2,915	85,252	29,246	1907	1,418,075	11,725	138,536	197,385	16,834
1872	4,069	121,056	29,751	1908	1,447,554	15,690	146,199	222,316	14,169
1873	5,183	228,499	44,036	1909	1,486,389	12,924	102,773	154,603	11,963
1874	5,830	155,239	26,628	1910	1,515,143	12,652	136,538	201,757	15,947
1875	7,740	201,060	25,977	1911	1,525,024	13,441	124,517	191,062	14,215
1876	9,092	191,118	21,020	1912	1,564,279	15,452	126,287	203,117	13,145
1877	8,872	190,670	21,491	1913	1,616,517	16,037	174,688	272,672	17,003
1878	10,478	234,393	22,369	1914	1,655,496	18,280	265,293	357,909	19,579
1879	1,658	98,149	14,741	1915	1,674,788	22,156	183,454	302,286	13,644
1880	4,735	95,552	13,886	1916	1,707,639	16,993	113,599	196,212	11,547
1881	5,582	81,156	14,530	1917	1,733,225	13,855	103,465	182,441	13,168
1882	6,738	101,548	15,070	1918	1,708,061	9,982	101,638	163,020	16,331
1883	9,184	172,874	18,823	1919	1,710,909	6,451	67,038	113,291	17,561
1884	10,968	226,343	20,632	1920	1,821,499	8,881	195,504	295,122	33,230
1885	10,637	134,220	11,678	1921	1,927,304	19,652	409,038	627,402	31,926
1886	9,834	114,644	11,651	1922	1,983,106	23,676	413,358	623,896	26,351
1887	9,634	167,561	17,391	1923	1,996,004	18,718	388,382	539,387	28,816
1888	10,679	123,830	12,559	1924	2,047,302	20,615	337,945	543,225	26,351
1889	10,882	148,734	13,692	1925	2,113,312	21,214	248,067	443,744	20,918
1890	10,907	189,857	17,406	1926	2,158,457	21,773	202,345	409,232	18,795
1891	12,273	189,869	15,471	1927	2,171,688	23,146	256,740	520,104	22,471
1892	10,344	114,044	11,025	1928	2,199,049	23,842	255,478	489,560	20,533
1893	15,242	346,780	22,751	1929	2,212,779	22,909	226,028	483,250	21,094

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of failures:												
1919	673	602	629	543	531	485	452	468	473	463	551	531
1920	569	492	566	504	547	674	681	673	677	923	1,050	1,525
1921	1,895	1,641	1,936	1,487	1,356	1,320	1,444	1,562	1,466	1,713	1,988	2,444
1922	2,723	2,321	2,463	2,167	1,960	1,740	1,753	1,714	1,566	1,708	1,737	1,814
1923	2,126	1,508	1,632	1,520	1,530	1,358	1,231	1,319	1,226	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,907	1,615	1,520	1,306	1,696	1,653	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,581	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,708	1,605	1,593	1,437	1,763	1,830	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,787	1,804	2,162
1928	2,643	2,176	2,236	1,818	2,008	1,947	1,723	1,862	1,635	2,023	1,838	1,943
1929	2,535	1,965	1,987	2,021	1,897	1,767	1,752	1,702	1,568	1,822	1,796	2,037
Liabilities (1,000 dollars):												
1919	10,736	11,489	13,595	11,450	11,957	9,483	5,507	5,932	8,791	6,872	9,177	8,300
1920	7,240	9,763	12,699	13,224	10,826	32,991	21,906	28,373	29,554	38,915	30,758	58,872
1921	52,137	60,862	67,409	38,569	57,066	34,639	42,774	42,904	37,021	53,059	53,470	87,502
1922	73,796	72,608	71,008	73,059	44,403	38,242	40,010	40,280	36,908	34,647	40,265	58,069
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,292	51,615
1924	51,273	35,942	97,651	48,904	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,279
1925	54,354	40,123	34,005	37,189	37,027	36,701	34,505	37,159	30,987	29,544	35,922	36,528
1926	43,651	34,176	30,823	38,487	33,543	29,408	29,080	28,130	29,990	33,231	32,694	45,620
1927	51,290	46,941	57,891	53,156	37,785	34,465	43,150	39,196	32,786	36,236	36,147	51,062
1928	47,634	45,071	54,814	37,985	36,117	29,827	29,587	38,202	33,957	34,990	40,601	40,774
1929	53,877	34,036	36,356	35,270	41,216	31,375	32,426	33,740	34,125	31,314	52,046	67,465

Source: Dun's Review, New York, N. Y.

No. 388.—COMMERCIAL FAILURES: By States

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business		Number of failures		Per cent of failures		Assets		Liabilities	
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929
United States	[1] 2, 199, 049	[1] 2, 212, 779	23, 842	22, 909	1.08	1.04	255, 478	226, 028	469, 590	433, 350
New England	166, 179	138, 723	2, 555	2, 601	1.54	1.56	16, 741	13, 619	48, 521	54, 823
Maine	17, 827	17, 812	219	139	1.18	.78	1, 188	434	2, 695	1, 343
New Hampshire	10, 945	10, 759	83	71	.76	.66	666	392	1, 299	1, 634
Vermont	7, 659	7, 564	60	53	.78	.70	365	676	804	995
Massachusetts	86, 882	86, 837	1, 454	1, 588	1.67	1.83	8, 993	7, 019	33, 235	34, 942
Rhode Island	12, 470	12, 947	219	260	1.76	2.01	672	1, 072	1, 980	5, 991
Connecticut	30, 396	30, 804	529	490	1.74	1.59	4, 900	4, 027	8, 509	10, 318
Middle Atlantic	565, 849	569, 126	6, 349	5, 946	1.12	1.04	71, 098	74, 207	157, 195	175, 909
New York	288, 309	280, 252	3, 832	3, 298	1.33	1.14	41, 065	40, 186	95, 194	104, 475
New Jersey	84, 688	86, 708	1, 024	1, 256	1.21	1.45	14, 628	14, 252	29, 150	35, 924
Pennsylvania	192, 852	193, 166	1, 493	1, 392	.77	.72	15, 405	19, 770	32, 761	35, 511
East North Central	485, 053	487, 955	4, 606	4, 506	.90	.96	71, 444	52, 398	111, 124	93, 105
Ohio	121, 261	120, 877	1, 274	1, 251	1.05	1.03	24, 044	14, 589	34, 832	24, 181
Indiana	61, 274	60, 070	530	490	.86	.82	8, 030	5, 625	14, 481	10, 445
Illinois	143, 379	144, 497	1, 497	1, 440	1.04	1.00	19, 369	21, 025	35, 739	41, 488
Michigan	80, 369	81, 278	732	674	.91	.83	13, 627	6, 527	17, 451	11, 917
Wisconsin	58, 770	61, 233	573	651	.97	1.06	6, 375	4, 633	8, 621	9, 874
West North Central	252, 145	250, 869	2, 100	1, 971	.83	.77	16, 248	16, 118	32, 404	28, 353
Minnesota	45, 558	45, 489	638	497	1.40	1.09	2, 432	4, 004	5, 483	6, 304
Iowa	45, 184	46, 050	283	267	.63	.58	2, 441	2, 006	3, 839	3, 075
Missouri	72, 077	76, 429	673	659	.94	.86	7, 611	5, 024	10, 946	9, 036
North Dakota	12, 193	11, 985	41	42	.34	.35	342	244	506	396
South Dakota	12, 301	12, 116	43	54	.35	.45	278	308	459	569
Nebraska	27, 991	28, 126	220	254	.79	.90	846	2, 678	1, 684	4, 244
Kansas	36, 841	36, 614	197	198	.53	.54	2, 303	1, 855	3, 427	2, 727
South Atlantic	217, 868	216, 008	2, 352	2, 162	1.08	1.00	38, 772	25, 296	57, 023	39, 429
Delaware	5, 315	5, 170	35	23	.66	.44	326	198	473	539
Maryland	36, 248	33, 454	372	305	1.03	.91	4, 016	2, 829	6, 171	4, 708
Dist. of Columbia	9, 885	10, 030	126	116	1.27	1.16	3, 033	942	5, 157	2, 097
Virginia	32, 262	31, 966	260	243	.81	.76	2, 097	2, 603	4, 170	3, 980
West Virginia	25, 878	25, 631	337	276	1.30	1.08	5, 105	2, 581	8, 264	3, 834
North Carolina	34, 647	34, 513	310	399	.89	1.16	5, 547	4, 631	7, 033	7, 800
South Carolina	16, 099	15, 276	126	120	.78	.79	2, 747	1, 697	3, 395	2, 319
Georgia	30, 473	30, 739	342	394	1.12	1.28	3, 468	4, 269	5, 684	6, 538
Florida	27, 061	29, 229	445	286	1.64	.98	10, 434	5, 546	16, 695	7, 563
East South Central	115, 908	115, 348	964	953	.83	.83	9, 544	9, 205	13, 996	13, 161
Kentucky	37, 555	38, 042	250	203	.67	.53	2, 803	1, 954	3, 950	2, 675
Tennessee	31, 525	30, 829	335	274	1.06	.89	3, 798	3, 284	5, 450	5, 549
Alabama	26, 506	26, 174	248	330	.94	1.26	2, 176	3, 029	2, 811	5, 412
Mississippi	20, 322	20, 303	131	146	.64	.72	767	939	1, 776	2, 545
West South Central	173, 373	177, 562	1, 810	1, 819	.76	.74	14, 632	13, 840	24, 796	24, 443
Arkansas	24, 423	24, 476	329	287	1.35	1.17	6, 595	3, 346	7, 864	4, 762
Louisiana	26, 484	25, 446	101	122	.38	.48	828	873	2, 071	2, 461
Oklahoma	36, 496	40, 136	343	432	.87	1.08	2, 663	5, 253	3, 732	8, 952
Texas	82, 970	87, 524	537	478	.65	.55	4, 546	3, 365	11, 129	8, 268
Mountain	60, 067	61, 178	584	596	.97	.97	3, 508	4, 486	6, 855	8, 057
Montana	9, 594	9, 682	102	131	1.06	1.35	427	422	909	809
Idaho	7, 267	7, 385	72	57	.99	.77	343	1, 024	1, 149	2, 202
Wyoming	4, 352	4, 410	33	43	.76	.98	356	288	477	507
Colorado	19, 481	19, 398	205	205	1.05	1.06	1, 304	1, 483	2, 472	2, 521
New Mexico	5, 314	5, 641	32	24	.60	.43	167	81	359	203
Arizona	5, 284	5, 745	17	17	.32	.30	156	48	361	80
Utah	6, 994	7, 013	103	113	1.47	1.61	587	1, 115	915	1, 568
Nevada	1, 781	1, 904	20	6	1.12	.32	104	6	212	17
Pacific	170, 876	174, 323	3, 021	2, 855	1.77	1.64	15, 494	17, 379	37, 737	40, 149
Washington	34, 580	34, 631	584	632	1.69	1.82	3, 614	2, 904	7, 541	8, 304
Oregon	22, 537	22, 032	484	453	2.15	2.06	3, 477	2, 734	7, 862	4, 859
California	113, 759	117, 660	1, 953	1, 770	1.72	1.50	8, 403	11, 680	22, 334	26, 896

[1] Total includes net changes reported by supplemental telegraphic reports amounting to 11,731 in 1928 and 7,727 in 1929, not distributed by States.

Source: Dun's Review, New York, N. Y.

No. 339.—FAILURES IN MANUFACTURING, TRADING, AND OTHER COMMERCIAL BUSINESS, AND BANK FAILURES: BY STATES, 1929

[Liabilities in thousands of dollars]

Division and State	Manufacturing		Trading		Agents, brokers, etc.		Bank failures	
	Number	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States	6,007	186,734	15,417	224,731	1,485	71,784	437	218,787
New England	989	22,919	1,406	16,972	226	15,633		
Maine	34	407	88	797	17	140		
New Hampshire	22	340	44	516	5	178		
Vermont	17	561	30	400	6	34		
Massachusetts	682	16,732	750	9,726	156	8,484		
Rhode Island	61	443	187	1,291	12	4,257		
Connecticut	153	3,535	307	4,241	30	2,541		
Middle Atlantic	1,860	70,420	3,630	72,328	456	43,161	9	19,428
New York	1,006	38,736	2,067	30,477	225	36,261	4	13,405
New Jersey	490	18,932	605	11,677	161	5,315		
Pennsylvania	364	12,751	958	21,174	70	1,585	5	6,024
East North Central	1,193	45,086	3,027	43,249	286	9,820	48	22,511
Ohio	317	10,787	862	11,778	72	1,617	6	3,421
Indiana	104	4,746	358	4,286	28	1,413	10	2,802
Illinois	390	19,451	968	18,313	82	3,924	24	13,078
Michigan	186	5,782	442	4,124	46	2,061	4	1,635
Wisconsin	196	4,321	397	4,748	58	805	2	1,575
West North Central	356	6,366	1,513	18,062	102	1,925	211	60,551
Minnesota	115	2,549	354	3,664	28	91	19	4,016
Iowa	37	423	223	2,535	7	117	17	5,435
Missouri	141	2,727	482	5,832	36	477	24	3,267
North Dakota	3	30	38	356	1	10	20	3,622
South Dakota	5	55	46	486	3	28	6	1,061
Nebraska	32	319	202	3,492	20	432	116	41,836
Kansas	23	261	168	1,697	7	769	9	1,265
South Atlantic	348	11,362	1,735	25,942	79	2,124	104	83,167
Delaware	6	60	17	480			1	2,550
Maryland	75	1,357	208	3,087	22	264	2	926
District of Columbia	30	740	79	972	7	379		
Virginia	52	1,273	183	2,642	8	65	1	439
West Virginia	47	1,308	220	2,472	9	54	6	4,764
North Carolina	48	1,031	337	5,100	14	770	15	5,404
South Carolina	8	240	110	2,061	2	19	9	4,015
Georgia	52	1,963	333	4,213	9	411	13	2,045
Florida	30	2,483	248	4,016	8	163	57	63,025
East South Central	132	4,971	792	10,823	29	388	17	8,035
Kentucky	42	972	152	1,618	9	85	1	700
Tennessee	44	1,926	220	3,422	10	202	3	1,008
Alabama	43	2,057	279	3,263	8	93	10	5,930
Mississippi	3	17	141	2,521	2	8	3	397
West South Central	155	5,945	1,118	15,719	46	2,780	28	5,465
Arkansas	49	1,754	227	2,712	11	296	10	2,728
Louisiana	19	145	100	1,551	3	706		
Oklahoma	37	3,004	385	4,983	10	965	16	2,611
Texas	50	1,042	406	6,473	22	754	2	126
Mountain	75	2,703	490	4,901	31	452	12	6,124
Montana	19	245	102	579	10	45	1	135
Idaho	9	2,024	43	242	5	27	2	1,370
Wyoming	4	64	38	433	1	10	1	290
Colorado	27	257	170	2,123	8	141	6	949
New Mexico	1	20	22	180	1	3	1	80
Arizona	1	2	16	77				
Utah	14	92	93	1,260	6	226		
Nevada			6	17			1	3,300
Pacific	919	17,912	1,706	16,736	230	5,501	10	13,515
Washington	192	3,868	391	3,591	49	935	6	8,757
Oregon	143	1,710	280	2,839	30	310	1	2,313
California	584	12,334	1,035	10,306	151	4,256	3	2,445

Source: Dun's Review, New York, N. Y.

No. 340.—FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1929 (dollars)
	1926	1927	1928	1929	1926	1927	1928	1929	
Total commercial	21,773	23,146	23,842	22,909	409,232	520,104	489,560	483,250	21,094
Total manufacturing	5,395	5,882	5,924	6,007	158,042	211,505	182,478	186,784	31,086
Iron, foundries, and nails	80	120	119	148	5,896	18,126	5,183	6,232	42,110
Machinery, vehicles, etc	312	254	325	295	19,949	12,953	11,567	11,600	39,321
Woolens, carpets, and knit goods	48	36	28	20	3,193	1,537	3,291	544	27,178
Cottons, lace, and hosiery	21	20	15	16	5,145	4,816	1,847	2,152	134,492
Lumber, carpenters, and coopers	644	850	969	1,135	21,218	43,986	50,782	53,631	47,252
Clothing and millinery	585	494	557	500	11,440	12,551	10,337	7,988	15,975
Hats, gloves, and furs	121	153	193	183	2,278	2,491	3,201	3,072	16,789
Chemicals and drugs	61	64	85	102	1,429	3,712	3,655	1,290	12,650
Paints and oils	17	11	13	21	537	262	273	336	16,000
Printing and engraving	230	264	172	174	3,400	7,613	3,606	2,571	14,773
Milling and bakers	500	461	494	462	5,031	5,012	7,009	5,607	12,137
Leather, shoes, and harness	133	140	155	151	4,029	7,870	6,543	2,747	18,194
Tobacco, etc	89	104	75	76	3,912	4,288	980	2,359	31,046
Glass, earthenware, and brick	65	91	94	102	2,119	8,400	2,625	6,825	66,914
All other	2,489	2,620	2,630	2,622	68,375	77,890	71,582	79,779	30,427
Total trading	15,268	16,082	16,477	15,417	201,334	228,194	225,301	224,731	14,577
General stores	1,217	1,214	1,042	1,017	17,396	18,740	13,388	13,289	13,066
Groceries, meat, and fish	3,033	3,543	3,785	3,497	20,037	29,307	30,504	30,150	8,622
Hotels and restaurants	928	1,046	1,105	1,172	13,309	18,242	24,362	20,499	17,491
Tobacco, etc	277	232	263	223	2,473	1,704	1,877	2,303	10,325
Clothing and furnishings	2,058	2,157	2,324	1,983	24,708	28,524	27,892	25,955	13,089
Dry goods and carpets	1,021	1,187	1,121	980	19,405	22,090	17,770	15,943	16,269
Shoes, rubbers, and trunks	597	720	681	542	6,453	8,683	7,004	6,326	11,672
Furniture and crockery	606	686	667	659	11,774	11,593	12,202	14,950	22,686
Hardware, stoves, and tools	430	465	507	542	7,251	7,559	8,337	8,596	15,850
Chemicals and drugs	632	714	729	701	6,335	7,608	7,088	7,044	10,904
Paints and oils	83	85	84	91	958	932	791	5,650	62,092
Jewelry and clocks	406	420	473	421	7,108	7,592	8,158	8,206	19,492
Books and papers	121	142	144	132	2,432	2,661	1,651	1,817	13,767
Hats, furs, and gloves	91	92	148	128	1,031	1,592	2,167	4,056	31,689
All other	3,168	3,370	3,404	3,329	50,444	61,367	62,051	59,346	17,827
Agents, brokers, etc	1,110	1,382	1,441	1,485	49,856	80,405	81,780	71,784	48,340
Bank failures	608	394	372	437	212,075	143,449	126,650	218,797	500,679

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manufacturing	Trading	Agents, brokers, etc.		Total	Manufacturing	Trading	Agents, brokers, etc.	
1912	15,452	3,339	11,011	602	79	203,117	86,720	91,780	24,618	24,220
1913	16,037	4,243	11,145	649	120	272,672	123,123	115,115	34,435	31,546
1914	18,280	4,620	12,851	809	212	357,909	135,636	165,865	56,408	56,005
1915	22,156	5,116	16,030	1,010	133	302,286	112,026	150,234	40,026	37,223
1916	16,993	4,196	11,923	874	50	196,212	73,000	91,374	31,839	10,397
1917	13,855	3,691	9,430	734	42	182,441	79,544	70,117	32,781	18,452
1918	9,982	2,766	6,494	722	20	163,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,201	51,614	37,070	24,007	16,521
1920	8,881	2,635	5,532	714	119	285,122	127,902	88,558	78,571	50,708
1921	19,652	4,495	13,990	1,158	404	627,402	232,907	254,794	139,700	173,028
1922	23,676	5,682	16,923	1,071	277	623,896	214,925	271,388	137,583	77,736
1923	18,718	4,968	13,064	686	578	539,387	281,316	209,930	48,140	203,739
1924	20,615	5,203	14,393	1,014	613	543,225	286,770	203,190	53,265	202,926
1925	21,214	5,099	15,161	963	464	443,744	167,685	215,369	60,691	164,699

Source: Dun's Review, New York, N. Y.

14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 550 commodities. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 and from a smaller number in earlier years, for 22 commodities to 1920 and for 43 commodities in 1921 and subsequent years.

The farm price index is constructed by weighting prices paid to producers for 30 products. Average quotations for the period, August, 1909-July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1918 to 1923.

No. 341.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1926 average=100												
Wholesale prices:													
1916	85.5	77.0	78.5	80.4	81.7	82.5	82.9	83.4	85.1	86.9	91.1	97.4	99.2
1917	117.5	102.1	104.5	107.7	114.1	120.7	122.0	123.0	124.8	123.5	122.2	122.8	122.9
1918	131.3	125.0	122.7	126.4	128.3	128.1	129.0	132.0	134.3	137.5	136.3	136.3	136.3
1919	138.6	134.4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.5	144.5	150.5
1920	154.4	157.7	157.1	158.6	165.5	167.2	166.5	165.8	161.4	155.2	144.2	133.4	120.7
1921	97.6	114.0	104.9	102.4	98.9	96.2	93.4	93.4	93.5	93.4	94.1	94.2	92.9
1922	96.7	91.4	92.9	92.8	93.2	96.1	96.3	99.4	98.6	99.3	99.6	100.5	100.7
1923	100.6	102.0	103.3	104.5	103.9	101.9	100.3	98.4	97.8	99.7	99.4	98.4	98.1
1924	98.1	99.6	99.7	98.5	97.3	95.9	94.9	95.6	97.0	97.1	98.2	99.1	101.5
1925	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.6	104.5	103.4
1926	100.0	103.6	102.1	100.4	100.1	100.5	100.5	99.5	99.0	99.7	99.4	98.4	97.9
1927	95.4	96.6	95.9	94.5	93.7	93.7	93.8	94.1	95.2	96.5	97.0	96.7	96.8
1928	97.7	96.3	96.4	96.0	97.4	98.6	97.6	98.3	98.9	100.1	97.8	96.7	96.7
1929	96.5	97.2	96.7	97.5	96.8	95.8	96.4	98.0	97.7	97.5	96.3	94.4	94.2
	1913 average=100												
Retail food prices:													
1916	113.7	107	106	107	109	109	112	111	113	118	121	126	126
1917	146.4	128	133	133	145	151	152	146	149	153	157	155	157
1918	168.3	160	161	154	154	158	162	168	171	178	181	183	187
1919	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920	203.4	201	200	200	211	215	219	219	207	204	198	193	178
1921	153.3	172	158	156	152	145	144	148	155	153	153	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	145	147
1923	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	148.4	149.3	149.8	151.1	150.3
1924	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.5
1925	157.4	154.3	151.4	151.1	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926	160.6	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.6	161.8
1927	155.4	159.3	156.0	153.8	153.6	155.4	158.5	153.4	152.4	154.0	156.1	156.5	155.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	154.2	157.8	156.8	157.3	155.8
1929	156.7	154.6	154.4	153.0	151.6	153.3	154.8	158.5	160.2	160.8	160.5	159.7	158.0
	August, 1909-July, 1914=100												
Farm prices:													
1916	117	104	106	108	110	111	112	113	117	123	128	137	139
1917	176	140	148	159	176	188	188	185	183	184	187	187	191
1918	200	194	197	199	200	198	196	197	203	207	204	200	201
1919	209	200	194	197	207	215	216	222	222	208	206	209	212
1920	205	219	221	222	230	235	234	224	209	194	178	158	140
1921	116	135	128	123	115	112	110	111	116	118	120	116	115
1922	124	114	118	123	123	127	128	126	120	119	123	126	131
1923	135	134	136	136	137	135	133	130	128	132	134	136	137
1924	134	137	136	131	130	129	130	132	130	132	138	137	139
1925	147	146	146	151	147	146	148	149	152	144	143	144	143
1926	136	143	143	140	140	139	139	136	133	134	130	130	127
1927	131	126	127	126	125	126	130	130	132	140	139	137	137
1928	139	137	135	137	140	148	145	145	139	141	137	134	134
1929	138	133	136	140	138	136	135	140	143	141	140	136	135

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

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No. 342.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 321. For indexes for all commodities for prior years see Table 343

[1926=100, except as noted]

Period	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous
1890	56.2	50.4	55.5	47.5	57.8	38.1	105.3	46.5	73.2	49.9	97.9
1891	55.8	54.2	54.8	47.9	54.6	37.0	92.2	44.2	74.0	50.4	94.3
1892	52.2	49.5	51.0	47.2	55.2	34.8	84.0	41.7	74.6	48.1	88.6
1893	53.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894	47.9	44.6	48.2	43.0	46.1	34.3	65.7	39.8	65.5	45.3	86.4
1895	48.8	43.9	47.3	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896	46.5	39.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897	46.6	42.5	45.5	45.9	42.9	33.9	65.0	37.4	70.9	42.5	92.5
1898	48.5	44.9	47.8	48.3	44.9	34.5	65.3	39.6	77.4	44.0	93.4
1899	52.2	45.8	47.7	49.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900	56.1	50.5	50.8	49.4	53.3	46.3	98.0	46.2	82.1	48.9	102.0
1901	55.3	52.8	50.5	48.9	48.1	44.6	93.1	44.3	84.2	48.9	93.4
1902	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903	59.6	55.6	52.0	49.9	52.8	60.3	90.2	46.7	84.1	50.9	98.9
1904	59.7	58.5	54.0	49.7	52.9	53.3	79.9	45.0	84.1	50.3	109.5
1905	60.1	56.4	55.1	53.9	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906	61.8	57.3	53.4	57.7	58.7	52.0	102.4	54.0	76.8	51.3	115.3
1907	65.2	62.2	57.0	58.0	63.5	54.4	109.8	56.8	78.5	55.0	108.2
1908	62.9	62.2	58.7	55.6	54.8	53.7	86.3	52.0	79.6	51.6	97.8
1909	67.6	69.6	62.6	61.5	56.5	51.6	84.5	53.7	79.9	51.7	129.6
1910	70.4	74.3	64.9	60.2	58.4	47.6	85.2	55.3	82.0	54.0	152.7
1911	64.9	66.8	62.0	58.8	55.5	46.7	86.8	55.3	81.6	52.7	108.6
1912	69.1	72.6	66.8	64.5	55.7	51.4	89.5	55.9	80.7	53.0	106.4
1913	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914	68.1	71.2	64.7	70.9	54.6	56.6	80.2	52.7	81.4	56.8	89.9
1915	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918	131.3	148.0	119.1	125.7	137.2	109.2	136.5	98.6	182.3	93.3	134.4
1919	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920	154.4	150.7	137.4	171.3	164.8	103.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	117.5	97.4	115.0	113.0	109.2
1922	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	103.5	92.8
1923	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	99.7
1924	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925	103.5	109.8	100.2	105.3	108.3	96.5	103.2	101.7	101.8	103.1	109.0
1926	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927	95.4	99.4	96.5	107.9	95.7	86.5	98.2	93.3	96.6	98.2	89.9
1928	97.7	105.9	101.0	121.7	96.3	82.8	99.8	93.7	95.5	97.4	88.0
1929	96.5	104.9	99.7	109.2	93.7	81.6	104.4	97.1	94.4	96.9	80.5
1929 (1913=100)	*138.3*	*146.7*	*155.3*	*160.4*	*163.5*	*133.1*	*115.0*	*171.3*	*117.7*	*172.1*	*86.5*
1929 (1923-1925=100)	*95.8*	*102.0*	*105.4*	*105.3*	*86.1*	*85.6*	*98.2*	*98.2*	*98.8*	*91.8*	*79.9*
1927											
January–March	95.7	95.4	95.8	100.6	94.3	94.5	98.3	96.3	97.4	97.9	90.6
April–June	93.7	95.7	94.5	104.2	94.1	84.3	98.2	94.9	96.3	97.9	90.9
July–September	95.3	101.9	94.9	112.0	96.3	84.2	97.8	92.9	95.7	98.4	89.5
October–December	96.8	104.6	101.0	114.7	97.7	83.1	97.5	90.7	97.2	98.7	88.6
1928											
January–March	96.2	104.7	98.4	123.0	96.6	80.9	98.3	90.9	95.9	98.4	87.7
April–June	97.9	108.0	100.3	125.6	96.5	81.6	98.6	93.3	95.3	97.6	84.1
July–September	99.1	107.6	104.4	122.0	96.2	84.2	99.8	94.6	94.8	97.1	79.9
October–December	97.1	102.9	100.1	116.2	96.1	84.3	101.9	95.9	95.9	96.4	80.1
1929											
January	97.2	105.9	98.8	113.6	96.4	82.5	103.6	96.6	95.9	96.6	80.5
February	96.7	105.4	98.1	109.0	96.1	81.3	104.4	97.5	96.1	96.6	80.4
March	97.5	107.1	98.1	108.3	96.1	80.6	106.4	98.8	95.6	96.5	80.0
April	96.8	104.9	97.7	107.9	95.5	80.6	106.4	97.9	94.9	96.7	79.2
May	95.8	102.2	97.7	106.8	94.2	81.1	105.2	96.8	94.2	96.7	79.6
June	96.4	103.3	98.9	108.0	93.3	83.3	105.1	96.4	93.4	96.6	80.4
July	98.0	107.6	102.8	109.2	92.8	82.0	105.0	96.7	93.4	97.2	81.3
August	97.7	107.1	103.1	109.7	93.1	80.9	104.3	96.7	93.7	97.1	81.3
September	97.5	106.6	103.2	110.8	93.1	81.1	104.1	97.5	93.9	97.1	81.7
October	96.3	103.9	101.2	110.5	92.7	81.7	103.6	97.8	94.2	97.1	81.3
November	94.4	101.1	98.8	108.4	91.5	81.7	102.3	96.0	94.0	97.1	80.1
December	94.2	101.9	98.6	107.4	90.4	81.3	102.1	96.2	93.6	97.3	79.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 343.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1926 base by the Bureau of Labor Statistics, Department of Labor

[1926=100]

Year	General index	Year	General index	Year	General index
1860	61	1870	87	1880	65
1861	61	1871	83	1881	64
1862	72	1872	84	1882	66
1863	90	1873	84	1883	65
1864	116	1874	81	1884	60
1865	132	1875	78	1885	57
1866	116	1876	72	1886	56
1867	105	1877	68	1887	56
1868	98	1878	62	1888	57
1869	94	1879	59	1889	57

No. 344.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

[1926=100]

Subgroup	Year								December, 1928	June, 1929	December, 1929
	1913	1923–1925	1924	1925	1926	1927	1928	1929			
Grains	71.1	102.3	100.6	118.3	100.0	100.9	107.3	97.4	94.3	91.0	97.5
Livestock and poultry	73.2	85.3	79.3	98.9	100.0	98.9	105.4	106.1	99.1	110.0	94.6
Other farm products	70.8	115.1	114.2	114.5	100.0	99.2	105.8	106.6	110.0	102.3	103.2
Meats	59.8	81.7	75.7	93.3	100.0	92.7	107.0	109.1	102.3	111.5	103.2
Butter, cheese, milk	65.9	99.7	94.5	101.1	100.0	104.0	105.6	105.8	110.0	105.5	101.9
Other foods	65.9	101.4	100.0	104.5	100.0	96.2	95.5	91.6	90.8	88.5	94.4
Hides and skins	106.8	115.5	110.2	118.7	100.0	120.4	148.6	112.7	131.0	110.9	107.4
Leather	69.1	102.9	99.8	104.8	100.0	109.2	126.3	113.2	119.3	110.3	110.6
Boots and shoes	54.5	99.3	98.4	100.5	100.0	102.5	109.9	106.3	108.4	106.1	106.1
Other leather products	50.8	103.4	103.7	102.8	100.0	104.1	108.5	106.2	108.4	105.5	106.1
Cotton goods	58.0	113.9	114.7	110.0	100.0	97.9	101.2	99.4	101.3	99.1	97.2
Silk and rayon	71.8	112.4	103.1	104.5	100.0	88.1	83.6	80.1	83.7	79.5	75.4
Woolen and worsted goods	53.7	108.2	106.8	110.2	100.0	97.6	100.4	97.8	100.0	97.8	94.6
Other textile products	62.7	89.5	87.1	104.1	100.0	95.4	86.9	81.8	84.9	80.3	75.1
Anthracite	58.9	99.7	98.6	99.7	100.0	96.3	91.7	90.1	91.2	88.1	91.2
Bituminous coal	38.1	103.2	99.7	96.5	100.0	100.4	93.6	91.3	93.2	89.6	92.4
Coke	46.3	104.6	97.2	97.7	100.0	94.4	84.6	84.6	84.5	84.7	84.2
Manufactured gas[1]	78.1	103.2	102.9	101.9	100.0	97.9	94.9	93.1	93.3	94.4	91.7
Petroleum and products	73.3	87.0	83.5	95.0	100.0	72.7	72.0	71.3	73.9	76.6	69.9
Iron and steel	70.9	109.6	109.4	102.2	100.0	95.9	94.9	97.3	96.6	98.2	96.3
Nonferrous metals	88.9	96.6	93.0	101.4	100.0	91.8	93.3	105.7	98.0	104.8	101.5
Agricultural implements	72.9	101.6	105.7	100.4	100.0	99.2	98.8	97.9	98.8	98.3	96.1
Automobiles	147.5	107.2	107.5	105.3	100.0	102.5	106.9	110.9	111.2	112.2	108.0
Other metal products	53.7	101.8	101.7	100.5	100.0	100.2	97.2	98.5	96.9	98.5	98.6
Lumber	54.0	103.0	99.3	109.6	100.0	92.5	90.1	94.5	93.6	94.2	92.4
Brick	38.9	102.4	103.4	100.1	100.0	93.2	92.7	91.1	93.6	89.1	90.5
Portland cement	59.6	105.4	105.7	102.6	100.0	96.7	95.9	91.8	94.6	94.6	89.2
Structural steel	77.1	113.4	114.2	102.2	100.0	94.7	95.2	98.1	97.0	99.6	97.0
Paint materials	50.8	103.4	99.7	109.3	100.0	91.0	86.6	91.3	87.7	86.5	95.7
Other building materials	63.1	103.3	104.0	100.4	100.0	94.1	101.3	106.9	107.0	106.1	106.5
Chemicals	89.4	102.3	102.2	104.1	100.0	100.0	101.3	100.2	102.4	98.6	99.6
Drugs and pharmaceuticals	56.6	96.4	95.8	97.7	100.0	87.3	70.8	70.5	70.8	69.8	70.6
Fertilizer materials	85.5	98.0	92.6	98.8	100.0	96.2	94.6	92.1	94.1	92.6	89.5
Mixed fertilizers	84.3	101.2	95.9	100.4	100.0	93.0	97.3	97.2	97.8	96.7	97.1
Furniture	70.7	109.7	107.9	104.6	100.0	97.6	97.2	96.0	95.3	95.0	96.7
Furnishings	47.9	103.5	103.4	102.2	100.0	98.6	97.5	97.5	97.1	97.7	97.7
Cattle feed	82.2	113.8	110.2	112.7	100.0	117.8	138.1	121.6	137.0	106.2	122.4
Paper and pulp	59.4	102.9	100.7	105.2	100.0	92.2	89.4	87.9	88.6	88.2	87.3
Rubber, crude	170.2	88.5	54.3	149.9	100.0	77.9	46.4	42.0	37.0	42.7	33.2
Automobile tires	207.2	100.2	92.6	98.6	100.0	76.3	64.4	55.6	58.1	55.0	55.2
Other miscellaneous	64.4	100.8	100.8	99.6	100.0	99.9	98.6	106.3	99.7	109.7	108.9

[1] Based on 8 cities prior to 1928; thereafter 34 cities.

Source of Tables 343 and 344: Bureau of Labor Statistics, Department of Labor.

No. 345.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 550 commodities entering into the general index of wholesale prices of the Department of Labor, shown in Table 342

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
I.—FARM PRODUCTS								
		Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Barley, feeding, Chicago	Bushel	0.625	0.774	0.844	0.694	0.825	0.826	0.615
Corn, contract grades, Chicago	do	.625	.944	1.038	.759	.882	.977	.941
Corn, No. 3, mixed, Chicago	do	.616	.927	1.014	.736	.851	.953	.929
Oats, No. 2, white, Chicago	do	.376	.473	.467	.430	.497	.555	.486
Rye, No. 2, Chicago	do	.636	.932	1.128	.954	1.046	1.133	1.016
Wheat, No. 2, red winter, Chicago	do	.986	1.407	1.770	1.542	1.378	1.540	1.304
Wheat, No. 2, hard, Kansas City	do	.877	1.338	1.670	1.496	1.372	1.325	1.180
Wheat, No. 1, northern spring, Minneapolis.	do	.874	1.359	1.607	1.549	1.369	1.285	1.276
Cattle, steers, good to choice, Chicago.	100 lbs.	8.507	10.093	10.659	9.529	12.688	14.489	13.493
Hogs, fair to choice, light, Chicago	do	8.454	9.534	12.347	13.115	10.602	9.862	10.666
Lambs, western, fair to good, Chicago.	do	7.794	14.335	15.219	13.701	13.860	14.203	13.719
Poultry, live fowls, Chicago	Pound	.154	.218	.229	.252	.225	.246	.273
Cotton, middling, New Orleans	do	.127	.265	.230	.168	.172	.194	.186
Eggs, firsts, Chicago	Dozen	.226	.339	.389	.335	.300	.324	.354
Eggs, firsts, New York	do	.249	.370	.398	.356	.320	.329	.368
Apples, fresh, Baldwins, Chicago	Barrel	3.174	5.203	5.938	4.102	4.522	6.979	6.020
Oranges, choice, California	Box	4.420	6.209	7.662	5.957	7.094	7.370	6.540
Hay, alfalfa, Kansas City	Ton	14.186	22.199	20.159	21.034	18.594	22.808	24.566
Hay, timothy, No. 1, Chicago	do	*16.029*	*24.055*	*23.490*	*23.481*	*19.447*	*20.588*	*20.394*
Milk, fluid, Chicago	100 lbs.	1.991	3.001	2.930	2.940	2.975	2.735	2.955
Milk, fluid, New York	do	2.061	3.419	3.554	3.623	3.732	3.827	3.997
Peanuts, Norfolk	Pound	.036	.063	.062	.050	.055	.056	.049
Flaxseed, Minneapolis	Bushel	1.349	2.653	2.721	2.328	2.202	2.245	2.766
Tobacco, leaf, Kentucky	100 lbs.	8.909	14.572	13.928	8.472	11.276	13.503	16.721
Potatoes, white, Chicago	do	1.024	1.645	2.105	3.013	2.309	1.354	1.606
Wool, Ohio, medium grades	Pound	.252	.548	.558	.457	.447	.543	.467
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	.310	.437	.442	.429	.458	.461	.437
New York	do	.323	.450	.454	.443	.473	.474	.449
San Francisco	do	.317	.476	.503	.436	.454	.460	.458
Cheese, whole milk, Chicago	do	.142	.219	.230	.217	.241	.240	.221
Milk, evaporated, New York	Case	3.535	4.396	4.336	4.393	4.564	4.429	4.267
Beef, fresh, carcass, steers, Chicago	Pound	.130	.170	.180	.164	.186	.228	.231
Lamb, fresh, Chicago	do	.149	.258	.260	.262	.262	.267	.256
Hams, Chicago	do	.166	.228	.271	.308	.246	.228	.244
Pork, mess, New York	Barrel (200 lbs.)	22.471	31.055	38.928	37.447	34.500	32.120	30.370
Pork, sides, clear, Chicago	Pound	.127	.162	.223	.201	.187	.163	.171
Pork, fresh (composite price), Chicago.	do		.161	.205	.224	.183	.170	.183
Poultry, Chicago	do	.145	.246	.245	.271	.232	.226	.242
Bread, Chicago	do	.043	.075	.075	.075	.075	.075	.075
Bread, New York	do	.042	.070	.070	.070	.070	.070	.066
Coffee, Rio No. 7, New York	do	.111	.162	.203	.182	.148	.135	.157
Salmon, canned, Alaska, red	Dozen	1.460	2.645	3.069	3.326	2.868	2.900	2.709
Flour, short patents, winter, Kansas City.	Barrel	4.012	7.160	8.525	8.035	7.388	7.073	6.535
Flour, standard patents, Minneapolis.	do	4.584	7.468	8.828	8.426	7.433	7.205	6.786
Flour, patents, Portland, Oreg	do	4.495	7.992	9.190	7.984	7.475	7.545	7.176
Raisins, coast, seeded, New York	Pound		.080	.075	.092	.074	.061	.060
Bananas, Jamaicas, New York	Bunch		2.395	2.447	2.451	2.202	2.101	1.766
Lard, prime, contract, New York	Pound	.110	.141	.168	.150	.129	.123	.120
Oleomargarine, standard, uncolored, Chicago.	do	.163	.225	.243	.228	.223	.225	.235
Rice, Honduras, New Orleans	do	.051	.061	.070	.073	.059	.048	.047
Salt, American, medium, Chicago	Barrel	1.020	2.389	2.204	2.195	2.195	2.272	2.214
Sugar, granulated, New York	Pound	.043	.071	.055	.055	.058	.056	.051
Sugar, raw, 96°, New York	do	*.035*	*.058*	*.043*	*.043*	*.047*	*.042*	*.038*
Cottonseed oil, New York	do	.073	.110	.108	.118	.097	.099	.097

No. 345.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
III.—HIDES AND LEATHER PRODUCTS		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hides, packers, heavy, native steers	Pound	0.184	0.158	0.160	0.140	0.195	0.238	0.171
Calfskins, No. 1, country, Chicago	do	.189	.180	.201	.173	.197	.274	.190
Goat skins, Brazil, New York	do	----	.818	.785	.733	.751	.787	.741
Leather, Boston:								
Calf, chrome, B grade	Sq. ft	.270	.457	.472	.453	.489	.558	.496
Glazed kid, top grade	do	.250	.681	.683	.675	.677	.715	.725
Side, black, chrome, tanned, B grade.	do	.256	.266	.274	.253	.320	.369	.288
Sole, oak, scoured backs	Pound	.449	.480	.482	.438	.493	.641	.529
Shoes:								
Youths', tan calf, bal[1]	Pair	----	----	----	1.663	1.726	2.363	3.350
Men's, dress, medium grade[2]	do	2.238	3.162	3.237	3.199	3.268	3.575	3.750
Women's, black kid, oxford[3]	do	3.000	4.035	4.000	4.074	4.000	4.250	4.250
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Denims, Mass., 28-inch	Yard	----	.233	.207	.169	.170	.191	.181
Drillings, Pepperell, 29-inch	do	.082	.174	.164	.127	.120	.120	.125
Gingham, Amoskeag, 27-inch	do	.065	.120	.113	.090	.095	.106	.105
Muslin, bleached, Fruit of the Loom.	do	.085	.183	.180	.167	.161	.166	.174
Print cloth, 27-inch	do	.035	.070	.066	.052	.055	.058	.052
Sheeting, bleached, Pepperell, 10/4.	do	.239	.486	.454	.416	.385	.410	.419
Sheeting, brown, Pepperell, 4/4	do	.073	.149	.139	.123	.121	.122	.117
Thread, 6-cord	Spool	.018	.033	.036	.036	.036	.036	.036
Women's union suits	Dozen	8.250	12.149	10.458	9.875	8.864	9.500	9.500
Yarn, carded, white, northern, 22/1's cones.	Pound	.248	.459	.418	.358	.351	.371	.358
Silk and rayon:								
Rayon, 150 B denier, New York	do	1.750	2.136	1.896	1.692	1.439	1.450	1.180
Silk, raw, steam filature, New York.	do	4.463	7.509	6.679	6.348	5.559	5.128	4.886
Hosiery, women's, pure silk, mill.[4]	Doz. prs	----	12.337	11.842	12.168	11.003	9.792	9.313
Hosiery, men's, silk, mill	do	4.250	5.750	5.247	4.795	4.250	3.950	3.850
Woolen and worsted goods, mill:								
Suiting serge, 11-ounce	Yard	1.131	2.478	2.403	2.168	2.051	2.052	1.901
French serge, 39-inch[5]	do	----	.776	.799	.728	.987	1.006	.975
Yarn, fine weaving, 2/50's	Pound	1.054	2.469	2.426	2.106	2.089	2.088	1.967
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton	----	13.861	13.788	13.767	13.208	13.001	12.886
Coal, bituminous, mine run	do	3.000	4.979	4.642	5.381	4.264	4.033	3.963
Coke, Connellsville, furnace	do	2.440	4.378	4.054	4.106	3.199	2.703	2.780
Manufactured gas[6]	1,000 cu. ft	.805	1.062	1.053	1.034	1.013	1.004	.985
Petroleum, crude, Kans.-Okla	Barrel	.934	1.519	1.670	1.884	1.285	1.203	1.233
Fuel oil, refinery, Pennsylvania	Gallon	----	.056	.059	.064	.051	.048	.048
Gasoline, refinery, Pennsylvania	do	----	.130	.133	.128	.092	.099	.091
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	3.400	4.924	4.375	4.250	4.250	4.250	4.443
Pig iron, basic, furnace	do	14.706	21.873	19.567	18.548	17.697	16.664	18.189
Pig iron, Bessemer, Pittsburgh	do	17.133	24.860	22.318	21.318	20.437	19.207	20.538
Nails, wire, Pittsburgh	100 lbs	1.819	2.948	2.820	2.750	2.638	2.676	2.667
Pipe, cast-iron, 6-inch, New York	Ton	23.371	57.549	52.196	51.340	43.315	37.659	30.666
Skelp, grooved, Pittsburgh	100 lbs	1.390	2.149	1.900	1.900	1.830	1.865	1.859
Steel billets, open-hearth, Pittsburgh.	Ton	26.090	38.465	35.644	35.000	33.269	32.073	34.042
Steel plates, tank, Pittsburgh	Pound	.015	.021	.019	.019	.018	.019	.019
Steel rails, open-hearth, mill	Ton	30.000	43.000	43.000	43.000	43.000	43.000	43.000
Steel sheets, No. 27, mill	Pound	.022	.035	.033	.032	.031	.029	.030
Steel, structural, mill	100 lbs	1.510	2.220	2.002	1.958	1.854	1.865	1.921
Tin plate, domestic, standard, Pittsburgh.	do	3.558	5.470	5.500	5.500	5.481	5.262	5.350
Aluminum, New York	Pound	.236	.265	.272	.270	.254	.239	.239
Copper, ingot, electrolytic	do	.157	.139	.141	.138	.130	.146	.181
Lead, pig, desilverized, New York	do	.044	.083	.091	.084	.068	.063	.068
Silver, bar, fine, New York	Ounce	.612	.672	.694	.624	.567	.585	.533
Tin, pig, New York	Pound	.449	.502	.578	.653	.644	.504	.452
Zinc, pig, slab, New York	do	.058	.072	.080	.077	.066	.064	.068

[1] Prior to 1928, tan calf, blucher.
[2] Prior to 1928, black, dress, welt.
[3] Prior to 1928, black kid, dress.
[4] Different style substituted beginning 1928.
[5] Prior to 1927, 35 to 36 inches.
[6] Based on 8 cities prior to 1928; thereafter 34 cities.

No. 345.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1913	1923–1925	1925	1926	1927	1928	1929
VI.—METALS, ETC.—continued								
Agricultural implements, factory:		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cultivator	Each	21.550	45.313	45.120	44.170	42.030	41.320	40.845
Harrow, spike, peg tooth	do	8.370	16.973	17.190	16.720	15.670	15.670	14.824
Plow, 2-horse	do		16.599	16.458	16.095	15.850	15.250	15.250
Separator, cream	do	39.520	59.053	59.370	59.370	*61.250*	*61.040*	60.338
Tractor, 10–20 horsepower	do	1,162.5	663.0	680.0	680.0	680.0	680.0	680.0
Automobiles, f. o. b. factory:								
Buick	do	1,212.0	1,654.0	1,625.0	1,468.0	1,492.0		
Cadillac	do	2,246.0	3,853.0	3,876.0	3,731.0	3,671.0		
Chevrolet	do	1,482.0	661.0	671.0	614.0	613.0		
Dodge	do		1,125.0	1,114.0	884.0	884.0	745.0	773.0
Ford	do	624.0	412.0	391.0	413.0	*456.0*		
Packard	do	4,779.0	3,617.0	3,556.0	3,589.0	3,403.0		
Sewing machines, electric	do		73.620	75.350	77.560	80.250	82.250	84.600
Stoves, gas	do		64.033	62.750	62.900	63.400	60.650	66.900
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing.	1,000 ft.	9.208	17.972	17.250	16.483	16.285	16.758	18.203
Oak, plain, white, No. 1, Cincinnati	do		66.200	63.135	66.019	63.635	59.173	57.623
Pine, white, No. 2, Buffalo	do		59.957	53.231	50.039	46.231	44.269	48.453
Pine, yellow, flooring, mill	do	28.036	45.355	46.493	45.109	38.481	36.485	37.278
Pine, yellow, timbers, mill	do	14.634	27.414	26.519	27.835	25.438	24.399	27.354
Shingles, cedar, red, mill	1,000	1.967	2.816	2.819	2.734	2.541	2.786	3.002
Brick, common, building, plant	do		14.323	14.005	13.913	14.021	13.717	*13.616*
Cement, Portland	Barrel	1.005	1.838	1.789	1.744	1.686	1.672	1.601
Linseed oil, raw, New York	Pound	.062	.134	.139	.112	.105	.100	.123
White lead, in oil, New York	do	.068	.141	.156	.152	.140	.133	.138
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft.	.318	.638	.553	.478	.395	.385	.385
Glass, window, single B, works	50 sq. ft.	2.221	3.389	3.095	3.110	2.980	3.080	3.420
Lime, building, plant	Ton		9.586	9.388	8.984	8.825	8.562	7.987
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	20.000	14.267	14.000	14.600	15.104	15.500	15.500
Alcohol, denatured, New York	Gallon	.366	.511	.578	.367	.478	*.530*	*.570*
Ammonia, anhydrous, New York	Pound	.250	.289	.266	.131	.114	.135	.140
Soda ash, light, 58 per cent, works	100 lbs.			1.430	1.430	1.375	1.366	1.345
Soda, caustic, New York	do	1.460	3.280	3.200	3.200	3.078	2.950	2.950
Tallow, packer's prime, Chicago	Pound	.071	.088	.097	.087	.081	.088	.085
Alcohol, grain, New York	Gallon	2.499	4.802	4.859	4.855	3.741	2.701	2.745
Phenol, U. S. P., New York	Pound		.291	.224	.971	.169	.150	.138
Acid phosphate, Baltimore	Ton		8.732	9.346	9.592	8.547	9.292	9.731
Nitrate of soda, 95 per cent, N. Y.	100 lbs.	2.469	2.526	2.579	2.550	2.495	2.232	2.157
Sulphate of ammonia, New York	do		3.047	2.861	2.628	2.427	2.484	2.213
Fertilizers, mixed, South Atlantic, 8-3-3.	Ton	20.310	23.480	22.800	23.200	21.702	22.900	22.400
IX.—HOUSEFURNISHING GOODS [7]								
Carpets, Brussels, factory	Yard	1.292	3.036	3.152	3.064	2.976	2.976	2.976
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	18.365	24.546	24.841	23.084	26.861	30.159	26.594
Cottonseed meal, prime, Memphis	do	31.608	41.020	36.313	28.542	35.604	47.042	38.542
Middlings, standard, Minneapolis	do	19.452	25.850	26.570	23.430	29.127	31.582	27.741
Paper, newsprint, rolls, contract, mills.	100 lbs.	2.300	3.800	3.700	3.500	3.250	3.250	3.250
Paper, wrapping, manila, No. 1, jute, New York.	do	4.880	10.490	11.660	11.030	9.230	9.125	9.125
Wood pulp, sulphite, domestic, unbleached, New York.	do	2.225	2.745	2.682	2.865	2.633	2.522	2.535
Rubber, plantation, ribbed, New York.	Pound	.820	.434	.730	.487	.381	.226	.206
Automobile tires, balloon, factory	Each				18.289	13.777	11.784	10.252
Cylinder oil, Pennsylvania	Gallon		.266	.284	.264	.251	.236	.357
Neutral oil, Pennsylvania	do		.264	.241	.280	.332	.314	.269
Soap, laundry, Philadelphia	100 cakes	3.528	4.867	4.921	4.851	4.851	4.851	4.851
Starch, laundry, New York	Pound	.037	.056	.060	.058	.058	.058	.058
Tobacco, plug, New York	do		.698	.696	.696	.696	.696	.696
Tobacco, smoking, 1-ounce bag, New York.	Gross	5.640	8.898	8.320	8.320	8.320	8.320	8.320

[7] Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.

Source: Bureau of Labor Statistics, Department of Labor.

No. 346.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note p. 321

[1926=100]

Year	Bradstreet's index [1]	Dun's index [1]	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
	96	300	550	108	62	380
1913	70.9	64.3	69.8	68.8	74.9	69.4
1914	68.9	64.8	68.1	67.6	70.0	67.8
1915	77.4	67.6	69.5	67.2	81.2	68.9
1916	93.3	80.3	85.5	82.6	118.3	82.3
1917	123.8	110.5	117.5	122.6	150.4	109.2
1918	145.2	121.9	131.3	135.8	153.8	124.7
1919	145.6	123.2	138.6	145.9	157.9	130.6
1920	140.6	129.3	154.4	151.8	198.2	149.8
1921	87.2	89.1	97.6	88.3	96.1	103.3
1922	95.3	92.3	96.7	96.0	98.9	96.5
1923	103.5	100.8	100.6	98.5	113.6	99.2
1924	100.0	100.9	98.1	97.6	108.7	96.3
1925	108.0	104.6	103.5	106.7	105.3	100.6
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	99.4	99.4	95.4	96.5	96.9	94.5
1928	102.4	103.1	97.7	99.1	97.4	97.0
1929	97.3	101.0	96.5	97.5	96.5	96.2

[1] As of the end of the month.

Source: Survey of Current Business and Department of Labor.

No. 347.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916	118.3	126.0	120.0	102.3	108.4	127.8	113.3
December, 1917	142.4	157.0	149.1	100.1	124.1	150.6	140.5
December, 1918	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919	199.3	197.0	268.7	125.3	156.8	263.5	190.2
June, 1920	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921	180.4	144.7	222.6	150.0	181.6	247.7	208.8
December, 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
December, 1922	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926	175.6	161.8	166.7	164.2	188.3	207.7	203.9
June, 1927	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927	172.0	155.9	162.9	160.2	183.2	204.6	205.1
June, 1928	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928	171.3	155.8	161.9	155.9	181.3	199.7	207.1
June, 1929	170.2	154.8	161.3	153.7	175.2	198.5	207.3
December, 1929	171.4	158.0	160.5	151.9	178.7	197.7	207.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 348.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1929, for—					
	1920	1924	1925	1926	1927	1928	1929	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1914=100													
Baltimore, Md	196.8	174.8	181.2	178.6	174.5	173.9	175.1	156.7	167.2	163.4	186.1	199.4	220.2
Boston, Mass	197.4	167.3	174.7	171.9	169.5	168.2	168.4	153.2	179.0	149.2	194.3	218.0	192.9
Buffalo, N. Y	201.7	177.8	184.8	183.6	180.2	179.6	180.0	157.9	171.0	166.5	227.0	204.2	219.1
Chicago, Ill	193.3	175.3	180.6	179.0	174.3	173.1	173.7	167.3	149.2	177.2	156.7	197.0	202.9
Cleveland, Ohio	207.3	178.1	182.7	181.5	179.0	175.4	174.3	147.0	163.2	158.9	263.1	188.8	218.3
Detroit, Mich	218.6	182.2	187.8	184.1	179.0	177.4	177.8	157.9	161.7	177.8	177.5	179.4	230.6
Houston, Tex	204.0	170.5	174.3	170.6	167.9	166.4	168.0	155.8	184.1	127.1	131.8	229.5	192.5
Jacksonville, Fla	206.2	170.4	181.7	181.3	173.0	169.1	166.8	140.8	182.4	113.2	175.0	213.9	201.0
Los Angeles, Calif	196.7	175.4	177.4	172.2	170.6	171.0	168.7	140.9	169.3	143.7	151.4	205.9	211.7
Mobile, Ala	193.3	163.9	168.5	168.1	165.5	165.7	164.8	149.0	147.2	140.6	185.8	187.3	208.3
New York, N. Y	201.4	176.5	183.2	180.0	179.1	176.3	177.1	154.9	185.9	166.1	195.1	195.4	222.9
Norfolk, Va	209.0	172.1	176.4	174.6	173.4	174.1	173.5	155.8	170.4	137.1	192.7	183.0	219.3
Philadelphia, Pa	200.7	176.1	182.6	182.3	178.3	174.5	175.0	156.1	171.2	156.5	186.3	184.7	221.2
Portland, Me	193.1	166.0	170.3	169.2	167.0	166.6	165.8	155.7	166.6	119.8	201.9	212.1	197.1
Portland, Oreg	180.3	155.8	156.9	155.1	152.8	152.4	151.6	143.7	147.8	108.2	161.8	181.0	177.7
San Francisco and Oakland, Calif	185.1	160.1	164.7	161.7	160.7	161.7	160.8	148.7	181.5	130.4	140.3	197.4	182.5
Savannah, Ga	198.7	156.3	162.9	160.5	158.1	159.1	157.2	136.1	167.7	128.3	166.1	217.2	184.5
Seattle, Wash	194.1	167.8	171.7	169.1	166.9	167.1	168.7	145.9	166.6	152.1	165.8	232.6	198.8
Washington, D. C	187.8	163.1	167.3	166.0	160.8	160.2	159.2	157.4	162.3	130.0	139.7	200.2	174.3
Dec., 1917=100													
Atlanta, Ga	138.5	114.9	119.0	117.4	114.3	115.6	113.5	100.1	99.4	135.9	131.6	114.1	134.2
Birmingham, Ala	133.3	116.8	119.2	117.8	115.7	114.2	111.8	97.2	95.0	140.8	138.8	110.5	127.2
Cincinnati, Ohio	134.7	117.6	123.0	123.8	121.3	121.2	123.1	104.5	93.6	156.7	170.9	113.1	151.2
Denver	138.7	120.2	122.5	120.4	116.0	116.3	116.1	93.2	107.9	151.1	129.2	116.0	138.7
Indianapolis, Ind	137.6	121.4	124.3	122.3	119.2	118.5	118.8	102.0	102.4	127.9	131.0	111.7	152.0
Kansas City, Mo	139.5	115.3	118.1	115.2	111.9	111.3	111.7	97.3	101.8	120.1	123.9	103.4	136.9
Memphis, Tenn	139.3	120.4	122.1	119.9	117.3	117.5	116.5	94.9	99.9	140.6	155.3	113.9	138.6
Minneapolis, Minn	135.7	117.3	120.3	118.2	115.4	115.2	116.2	103.9	97.2	125.2	144.3	110.9	136.6
New Orleans, La	136.7	120.6	122.7	121.7	119.9	119.5	118.8	98.2	112.6	151.3	118.1	115.7	145.8
Pittsburgh, Pa	139.3	124.9	128.5	127.2	124.8	124.4	123.2	101.2	102.1	167.1	186.0	114.6	147.5
Richmond, Va	133.3	116.5	120.8	119.3	116.4	115.7	114.9	96.6	104.2	127.0	144.7	131.3	141.0
St. Louis, Mo	135.4	120.7	125.0	124.5	121.4	120.4	121.7	99.5	100.8	169.2	133.4	116.2	144.2
Scranton, Pa	139.1	125.8	132.0	129.8	128.5	127.8	127.3	106.5	113.7	163.9	167.6	126.0	157.3

Source: Bureau of Labor Statistics, Department of Labor.

No. 349.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 351. For index numbers for individual cities see Table 350

Year	Index numbers of—		Year	Index numbers of—		Year	Index numbers of—	
	Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food
1890	70	143	1904	76	132	1918	168	60
1891	71	141	1905	76	132	1919	186	54
1892	69	145	1906	79	127	1920	203	49
1893	71	141	1907	82	122	1921	153	65
1894	68	147	1908	84	119	1922	142	70
1895	67	149	1909	89	112	1923	146	68
1896	65	154	1910	93	108	1924	146	68
1897	65	154	1911	92	109	1925	157	64
1898	67	149	1912	98	102	1926	161	62
1899	68	147	1913	100	100	1927	155	64
1900	69	145	1914	102	98	1928	154	65
1901	72	139	1915	101	99	1929	157	64
1902	75	133	1916	114	88			
1903	75	133	1917	146	68			

No. 350.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 349

City	1916	1920	1923	1924	1925	1926	1927	1928	1929	1929			
										Mar.	June	Sept.	Dec.
Atlanta, Ga	108	202	143	144	158	165	160	158	160	158	159	164	158
Baltimore, Md	113	207	152	152	164	168	161	159	161	155	159	166	162
Birmingham, Ala	116	209	149	150	165	168	161	159	160	157	159	162	160
Boston, Mass	112	203	151	149	158	162	157	156	158	154	154	162	160
Buffalo, N. Y	115	210	151	149	162	166	160	159	161	158	160	166	163
Charleston, S. C	108	207	148	149	159	164	157	156	158	155	156	162	160
Chicago, Ill	114	207	152	155	166	171	166	165	168	164	167	170	172
Cincinnati, Ohio	112	203	143	142	157	163	157	157	163	158	162	166	165
Cleveland, Ohio	114	208	145	145	156	162	155	153	154	149	154	160	151
Dallas, Tex	111	197	143	146	156	156	154	155	157	157	155	160	159
Denver, Colo	112	195	135	134	143	144	140	139	141	137	141	142	142
Detroit, Mich	114	215	152	151	165	169	163	160	164	159	164	169	163
Fall River, Mass	112	204	150	145	153	158	155	154	155	151	151	160	156
Indianapolis, Ind	114	202	142	141	151	157	151	151	155	152	152	161	156
Jacksonville, Fla	108	192	139	140	153	161	150	145	144	141	143	150	146
Kansas City, Mo	114	206	141	141	155	158	150	150	154	152	151	159	156
Little Rock, Ark	110	195	139	138	149	153	148	147	152	149	149	156	153
Los Angeles, Calif	102	184	140	141	140	146	143	143	146	142	144	151	144
Louisville, Ky	110	197	136	138	154	157	152	153	156	155	156	159	155
Manchester, N. H	113	206	149	145	152	157	153	154	154	151	151	159	153
Memphis, Tenn	111	204	138	137	150	152	146	148	151	147	150	153	151
Milwaukee, Wis	115	209	148	149	157	163	157	156	159	156	156	164	160
Minneapolis, Minn	114	208	144	143	154	159	152	153	157	150	156	161	159
Newark, N. J	111	195	146	143	151	154	150	150	151	146	149	155	154
New Haven, Conn	115	201	149	146	155	161	157	157	158	155	155	165	162
New Orleans, La	112	200	143	144	156	156	154	153	156	154	154	160	158
New York, N. Y	112	204	153	150	160	164	160	158	160	155	157	164	162
Omaha, Nebr	115	210	142	142	155	159	151	147	150	149	148	153	151
Philadelphia, Pa	113	201	149	147	159	164	160	158	159	154	157	164	163
Pittsburgh, Pa	112	202	149	148	158	162	158	156	160	158	159	163	160
Portland, Oreg	104	187	133	134	142	140	139	140	144	139	143	147	145
Providence, R. I	114	209	153	149	158	162	156	156	158	155	157	164	160
Richmond, Va	114	214	156	153	166	170	162	161	162	161	159	166	162
St. Louis, Mo	114	213	145	147	160	164	159	156	161	157	161	165	161
Salt Lake City, Utah	111	185	127	127	140	135	134	132	136	132	135	139	136
San Francisco, Calif	105	189	142	144	155	153	151	151	154	150	151	157	155
Scranton, Pa	112	208	153	148	161	165	162	163	164	159	162	170	168
Seattle, Wash	105	190	138	139	150	147	145	145	149	144	149	153	152
Washington, D. C	112	208	154	152	165	169	163	164	164	159	164	171	163

Source: Bureau of Labor Statistics, Department of Labor.

No. 351.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For index numbers 1913 average = 100. Data are averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913)

Year or month	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Per lb.		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*	
1891–1895	----------	----	$0.123	55	----------	----	$0.112	53	$0.132	49	$0.100	63
1896–1900	----------	----	.127	57	----------	----	.111	53	.132	49	.091	58
1901–1905	----------	----	.141	63	----------	----	.137	65	.176	65	.116	73
1906–1910	[1]$0.192	76	.159	71	[1]$0.159	80	.167	80	.217	80	.136	86
1911–1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916–1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921–1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1921	.388	153	.344	154	.291	147	.349	166	.427	158	.180	114
1922	.374	147	.323	145	.276	139	.330	157	.398	147	.170	108
1923	.391	154	.335	150	.284	143	.304	145	.391	145	.177	112
1924	.396	156	.338	152	.288	146	.308	147	.377	140	.190	120
1925	.406	160	.347	156	.296	150	.366	174	.467	173	.233	148
1926	.418	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.360	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
March	.479	189	.422	189	.355	179	[2]352	168	.429	159	.184	116
June	.512	202	.458	205	.376	190	.376	179	.498	162	.183	116
September	.515	203	.461	207	.375	189	.407	194	.444	164	.185	117
December	.489	193	.434	195	.360	182	.343	163	.425	157	.176	111

Year or month	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		*Per doz.*		*Per lb.*		*Per lb.*		*Per qt.*		*Per lb.*	
1891–1895	$0.136	64	$0.214	62	$0.268	70	----------	----	$0.068	76	----------	----
1896–1900	.131	62	.199	58	.247	64	----------	----	.067	75	----------	----
1901–1905	.154	72	.254	74	.281	73	----------	----	.071	80	----------	----
1906–1910	.182	85	.304	88	.333	87	----------	----	.079	89	----------	----
1911–1915	*.206*	*97*	*.341*	*99*	*.363*	*95*	[3]$0.227	103	*.088*	*99*	[3]$0.063	113
1916–1920	.351	165	.527	153	.567	148	.358	162	.133	149	.096	171
1921–1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1921	.397	186	.509	148	.517	135	.340	154	.146	164	.099	177
1922	.360	169	.444	129	.479	125	.329	149	.131	147	.087	155
1923	.350	164	.465	135	.554	145	.369	167	.138	155	.087	155
1924	.353	166	.478	139	.517	135	.353	160	.138	155	.088	157
1925	.366	172	.521	151	.548	143	.367	166	.140	157	.094	168
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	146	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
March	.405	190	.421	122	.584	152	.382	173	.143	161	.090	161
June	.413	194	.414	120	.538	140	.380	172	.142	160	.090	161
September	.392	184	.530	154	.548	143	.380	172	.143	161	.090	161
December	.371	174	.628	182	.516	135	.377	171	.144	162	.089	159

Year or month	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per ⅛ bbl. bag		*Per lb.*		*Per lb.*		*Per pk.*		*Per lb.*		*Per lb.*	
1891–1895	$0.637	79	$0.020	67	----------	----	$0.235	92	$0.057	104	----------	----
1896–1900	.639	79	.018	60	----------	----	.211	83	.058	105	----------	----
1901–1905	.687	85	.022	73	----------	----	.263	103	.058	105	----------	----
1906–1910	.807	100	.027	90	----------	----	.271	106	.059	107	----------	----
1911–1915	.872	108	.031	103	[3]$0.089	102	.282	111	.061	111	[3]$0.298	100
1916–1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921–1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.410	138
1921	1.421	176	.045	150	.095	109	.465	182	.080	145	.363	122
1922	1.250	155	.039	130	.095	109	.420	165	.073	133	.361	121
1923	1.152	142	.041	137	.095	109	.435	171	.101	184	.377	127
1924	1.201	149	.047	157	.101	116	.405	159	.092	167	.433	145
1925	1.495	185	.054	180	.111	128	.540	212	.072	131	.515	173
1926	1.470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	*1.348*	*167*	.052	173	.107	123	.570	224	.073	133	.483	162
1928	1.323	164	.053	177	.100	115	.405	159	.071	129	.492	165
1929	1.250	154	.053	177	.097	112	.480	188	.066	120	.491	165
March	1.250	154	.053	177	.098	113	.345	135	.065	118	.496	166
June	1.200	148	.053	177	.097	112	.465	182	.064	116	.494	166
September	1.298	161	.053	177	.097	112	.585	229	.067	122	.492	165
December	1.250	154	.054	180	.096	110	.570	224	.066	120	.463	155

[1] 1907–1910. [2] 1913–1915.

Source: Bureau of Labor Statistics, Department of Labor.

No. 352.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to Table 353 also applies to this table

Year ended—	Bacon, hams, and shoulders, per pound	Pork, pickled, per pound	Eggs, per dozen	Milk: Condensed and evaporated, per pound	Butter, per pound	Cheese, per pound	Lard, per pound	Sole leather, per pound	Corn, per bushel	Rye, per bushel	Wheat, per bushel	Wheat flour, per barrel	Oil cake and oil cake meal, per pound	Cottonseed oil, per pound [1]	Sugar, per pound	Rosin, per barrel [2]	Spirits of turpentine, per gallon	Tobacco, leaf, per pound	Cotton, per pound	Boards, planks, per M feet	Coal: Anthracite, per ton	Coal: Bituminous, per ton	Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wire, per pound	Wire nails, per pound
	Cts.	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
June 30—																											
1903	9.9	10.5	21.5	-----	18.0	11.9	10.4	18.5	0.54	0.58	0.77	3.74	1.2	39.9	3.4	2.01	0.49	9.3	8.9	19.67	4.85	2.78	4.7	9.3	8.7	2.3	2.0
1904	11.4	8.5	22.3	-----	16.5	10.5	8.3	18.9	.54	.58	.81	4.05	1.1	36.9	3.5	2.56	.55	9.6	12.0	20.05	4.93	2.75	5.7	10.7	7.8	2.3	2.1
1905	10.5	7.9	21.9	-----	16.4	10.7	7.7	21.4	.53	.84	.89	4.55	1.1	29.4	4.1	3.06	.56	9.0	8.8	19.08	4.99	2.63	5.2	8.4	6.8	2.2	2.2
1906	10.1	8.2	21.0	-----	18.0	11.7	8.1	20.2	.53	.67	.82	4.25	1.3	31.2	3.8	4.06	.63	9.5	11.0	21.34	4.93	2.58	5.0	8.0	6.3	2.2	2.1
1907	10.1	9.1	22.1	-----	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.9	4.42	.65	10.0	10.5	24.55	4.90	2.56	5.2	10.4	6.3	2.3	2.3
1908	10.9	8.9	20.3	-----	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	3.8	4.20	.52	10.6	11.4	23.00	4.88	2.58	4.8	11.0	6.8	2.5	2.5
1909	10.9	8.8	23.0	-----	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.3	3.5	3.69	.40	10.9	9.4	21.40	4.97	2.55	4.1	9.1	6.6	2.3	2.2
1910	10.8	11.1	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.3	4.55	.56	10.8	14.0	21.83	4.94	2.49	3.1	8.1	6.2	2.4	2.1
1911	12.1	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.88	1.4	7.6	4.1	6.42	.73	11.1	14.5	21.54	4.99	2.48	2.9	8.5	5.6	2.3	2.1
1912	13.3	9.5	22.0	8.8	24.1	14.2	9.8	22.0	.72	.81	.94	4.63	1.4	6.0	4.6	6.65	.51	11.5	10.2	22.14	5.11	2.54	3.3	9.0	5.7	2.2	2.0
1913	12.1	10.6	21.5	8.7	24.3	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.6	3.8	6.19	.42	11.9	11.9	24.30	5.30	2.52	3.9	13.3	6.3	2.1	2.1
1914	13.1	10.8	23.1	8.3	23.8	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	3.6	4.64	.43	12.1	12.8	23.94	5.27	2.49	4.7	14.3	6.4	2.1	2.1
1915	13.8	10.8	24.1	8.2	24.3	15.3	11.0	29.7	.81	1.17	1.28	5.86	1.4	6.9	4.7	4.53	.47	12.8	8.5	22.25	5.27	2.53	3.2	11.2	6.0	2.2	2.0
1916	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.8	.81	1.06	1.24	5.63	1.6	8.5	4.9	5.65	.47	12.1	12.3	23.76	5.25	2.43	3.5	16.3	6.4	2.9	2.6
1917	17.6	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.99	7.30	1.8	12.5	6.2	6.53	.49	14.7	18.1	26.00	5.56	2.94	4.1	20.8	5.4	3.9	3.8
1918	26.7	22.7	37.8	12.9	38.6	24.3	25.0	53.8	1.84	1.99	2.37	11.19	2.5	18.2	6.9	7.36	.53	24.1	28.7	41.50	6.16	3.89	5.0	23.6	8.9	5.1	5.2
Dec. 31—																											
1919	31.5	25.3	48.5	14.3	50.7	37.8	31.3	44.7	1.66	1.88	2.41	11.09	3.3	21.2	7.8	16.89	.98	33.9	33.9	49.45	8.25	4.66	6.0	23.8	12.2	5.5	5.3
1920	25.2	19.8	50.6	15.7	53.0	31.0	23.4	53.4	1.49	2.14	2.73	11.30	3.1	18.9	10.3	16.72	1.54	52.4	35.9	62.13	9.44	8.85	8.6	26.6	15.3	5.8	5.7
1921	17.9	12.3	32.5	9.3	40.8	23.1	13.0	34.6	.72	1.48	1.55	7.01	2.0	9.6	5.2	5.19	.65	39.7	16.2	37.93	10.92	5.94	5.4	23.1	12.5	5.5	5.0
1922	17.3	12.0	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.1	9.7	3.8	5.25	1.08	33.9	21.6	37.45	10.72	5.95	4.4	21.9	9.3	3.4	3.3
1923	14.4	11.7	27.5	11.4	43.9	26.2	12.6	26.5	.87	.91	1.18	5.40	2.2	10.6	6.5	5.14	1.07	32.1	29.6	46.24	10.91	5.46	3.2	16.3	9.0	3.9	4.0
1924	14.2	11.9	26.5	10.8	41.5	20.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	5.5	5.30	.88	20.8	27.7	41.25	11.17	4.65	3.6	14.1	9.7	3.6	4.0
1925	20.1	16.0	30.1	11.8	45.1	26.3	17.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	3.7	9.02	.98	32.7	24.2	42.62	11.19	4.39	4.4	15.3	9.5	3.4	3.8
1926	21.6	16.5	28.8	12.5	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.8	10.0	3.5	12.61	.92	28.5	17.4	39.97	11.42	4.95	4.4	14.8	10.9	3.4	3.4
1927	18.4	14.3	27.0	12.8	46.3	30.1	13.5	32.0	.85	1.10	1.42	6.65	1.9	8.7	4.1	9.36	.60	27.5	16.9	39.51	11.09	4.44	3.9	11.5	9.8	3.2	3.4
1928	16.5	14.2	30.4	12.7	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	3.5	8.40	.53	26.8	20.1	37.56	10.96	4.12	3.4	10.7	10.2	3.0	2.9
1929	17.9	14.3	33.8	12.8	47.0	27.8	12.7	27.5	1.01	1.05	1.24	5.91	2.2	9.2	3.0	7.96	.52	26.3	19.4	38.79	10.71	4.22	3.4	10.6	10.1	3.2	3.0

[1] Per gallon prior to 1910. Approximately 7½ pounds=1 gallon.

[2] Barrels of 280 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 353.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

NOTE.—The values are required by law to represent the values of the goods *in the foreign markets* whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly

Year ended—	Cheese, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flaxseed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rubber, crude, per pound	Shellac, per pound	Tobacco, leaf, per pound		Cotton, unmanufactured, per pound	Jute and jute butts, per ton	Flax, per ton
		Herring	Mackerel	Goat	Cattle											Cigar wrappers	Other leaf			
June 30—	*Cents*	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Cents*	*Dollars*	*Dollars*
1903	15.4	7.37	14.73	29.3	12.3	2.2	0.62	-------	1.50	12.3	6.5	14.4	1.71	55.3	23.4	0.74	45.36	14.5	42.14	248.68
1904	14.5	6.58	13.86	27.8	12.9	2.5	1.10	-------	.95	12.3	7.0	16.2	1.94	68.5	32.1	.76	47.52	17.5	42.43	251.10
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	-------	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.92	-------	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	58.8	31.0	1.06	63.41	19.9	60.49	263.93
1909	16.5	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	69.8	20.3	.95	65.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.08	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913	18.6	8.24	10.35	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.33	18.9	74.01	318.01
1914	17.3	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.00	54.0	16.1	1.28	50.44	15.7	105.38	290.37
1915	18.7	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.28	46.44	12.5	56.26	399 60
1916	23.5	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.38	14.4	9.6	18.8	3.70	57.9	12.8	1.43	40.45	17.2	73.07	505.59
1917	30.8	9.44	16.14	52.5	25.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	56.8	23.4	1.34	47.83	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.00	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.8	48.9	2.00	92.84	23.7	93.08	566.91
1922	31.4	10.21	17.34	40.5	14.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.67	25.6	107.38	575.03
1923	32.4	9.95	15.91	43.9	16.0	3.3	.99	4.0	2.01	8.2	13.5	28.2	4.93	26.7	59.7	2.35	80.76	26.4	128.33	511.09
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	48.4	51.0	2.34	80.18	33.7	190.69	680.59
1926	26.9	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.48	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.4	1.31	4.6	1.74	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08
1928	30.3	12.98	13.96	46.0	23.1	4.2	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	63.64	24.9	129.45	698.47
1929	29.2	12.51	15.45	47.4	16.0	4.5	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	38.4	1.84	67.75	23.9	128.35	579.24

Year ended—	Hemp, per ton	Manila, per ton	Jute burlaps, per pound	Wool, per pound			Silk, raw, per pound	Pulpwood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Printing paper, per pound	Bituminous coal, per ton	Petroleum, crude, per gallon	Bar iron, per pound	Tin plates, terneplates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodium nitrate, per ton
				Carpet	Clothing	Combing												
June 30—	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*
1903	166.96	192.80	-------	10	18	19	3.59	-------	14.80	28.98	-------	2.93	-------	1.9	2.9	12.4	26.83	30.69
1904	148.06	173.96	-------	12	19	22	3.52	-------	15.07	24.38	-------	2.59	-------	2.0	2.7	12.8	26.60	31.54
1905	160.10	195.99	5.5	13	23	25	3.34	-------	15.35	26.87	-------	2.44	-------	1.9	2.8	13.6	27.55	34.31
1906	170.55	187.90	6.5	14	24	28	3.64	-------	15.60	29.16	-------	2.40	-------	1.9	2.8	15.1	33.32	35.08
1907	176.00	199.51	8.2	15	26	30	4.20	4.29	17.40	29.79	-------	2.48	-------	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	22	27	4.13	5.40	19.23	30.79	-------	2.59	-------	2.0	3.0	16.8	32.72	38.03
1909	153.45	115.60	5.9	11	21	21	3.38	5.96	18.85	31.47	2.4	2.85	-------	1.8	2.7	13.3	28.54	35.61
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.35	31.11	2.1	2.75	-------	1.8	2.8	12.5	30.52	30.60
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.49	28.42	2.4	2.83	-------	2.0	3.2	11.9	36.67	31.25
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	2.0	4.3	12.7	41.56	32.09
1913	193.67	171.08	8.9	14	23	25	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.96	33.82	2.4	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.27	2.4	2.99	1.4	2.8	7.9	19.4	35.34	29.98
1917	258.02	225.00	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8	8.4	24.6	54.60	43.64
Dec. 31—																		
1919	561.59	280.95	14.9	38	51	59	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1	12.4	20.7	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1	14.5	18.4	58.50	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	5.0	6.56	1.3	4.7	12.1	12.7	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8	5.1	12.7	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.5	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
1925	458.87	290.51	13.6	30	46	53	6.21	10.20	30.33	55.09	3.6	4.90	2.9	2.0	12.6	12.9	55.40	47.23
1926	373.73	263.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3	6.1	12.6	60.63	46.70
1927	309.08	255.49	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0	8.0	11.8	63.30	40.24
1928	341.41	202.65	12.9	25	44	44	4.87	10.45	27.54	53.27	3.2	4.91	2.7	2.9	7.4	12.4	49.80	35.81
1929	290.74	186.95	12.0	27	38	38	4.90	10.81	28.07	52.75	3.0	4.88	2.4	3.0	11.2	16.1	47.06	37.52

Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

No. 354.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—General index based on 1913=100. Data are not collected annually, but at intervals; they are available, however, for some years not shown in this table unless otherwise indicated. For hours of labor in mines and quarries see Table 734; also consult index under "Wages" for data in other sections

TEXTILES

Cotton goods

Year	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	58.8	0.151	57.8	0.147	57.2	0.120	59.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0
1916	56.7	.205	55.7	.201	56.6	.164	57.2	.149	58.5	.174	55.6	.188	98.6	120.6
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.0	179.9
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.486	89.7	323.5
1922	52.6	.389	51.6	.380	53.4	.292	52.6	.301	54.1	.358	51.0	.369	91.5	222.4
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.8	250.7
1926	53.2	.396	51.9	.375	55.1	.289	53.5	.282	55.1	.343	51.0	.368	92.3	221.0
1928	53.4	.392	52.2	.371	57.8	.339	52.9	.276	55.1	.345	51.2	.359	92.5	218.3

Men's clothing

Year	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1911	49.9	0.406	55.1	0.240	55.9	0.264	54.2	0.105	54.8	0.155	55.3	0.220	104.6	86.7
1913	49.0	.433	52.3	.291	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.611	92.6	173.5
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.7
1924	44.2	1.111	44.2	.934	44.1	1.033	43.6	.614	44.1	.555	44.4	.889	85.3	295.8
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.925	85.7	291.2
1928	43.8	1.129	44.0	.912	44.2	1.016	43.3	.632	43.9	.527	44.2	.905	85.1	284.4

Woolen and worsted goods

Year	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4
1913	56.3	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	55.6	.159	100.0	100.0
1916	54.9	.304	54.5	.271	55.3	.316	53.9	.180	54.6	.185	55.0	.197	97.8	126.7
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.278	54.1	.276	54.7	.304	97.0	192.6
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.504	86.2	353.7
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.0
1924	48.8	.701	48.9	.654	48.9	.755	48.9	.417	49.2	.420	49.2	.490	87.7	300.2
1926	48.9	.652	49.2	.600	49.7	.695	49.8	.362	49.3	.381	49.4	.445	88.0	276.5
1928	48.9	.658	48.8	.605	49.5	.684	49.7	.383	49.3	.383	49.1	.463	88.0	289.5

Hosiery and underwear

Year	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0
1913	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.0
1924	51.9	.531	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.385	50.2	.355	92.4	267.2

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.

No. 354.—Wages and Hours of Labor, Etc.—Continued

BOOTS AND SHOES

Year	Cutters, hand, male		Treers, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1913	54.5	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.212	54.6	.190	100.0	100.0
1916	53.9	.375	54.9	.291	53.9	.254	55.0	.349	54.0	.220	53.9	.198	99.1	107.5
1918	52.0	.484	52.3	.403	51.7	.312	52.1	.500	51.6	.285	51.5	.241	94.9	139.7
1920	47.8	.829	48.3	.677	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.3

IRON AND STEEL

Blast furnaces

Year	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1913	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.185	72.5	0.171	100	100
1915	74.6	.188	78.6	.211	80.6	.336	79.4	.232	80.1	.182	71.3	.171	97	101
1917	77.4	.295	77.2	.327	77.8	.485	77.4	.344	77.6	.292	75.3	.281	[2]	[2]
1919	78.1	.465	80.4	.542	79.8	.755	80.6	.562	80.2	.480	77.9	.457	[2]	[2]
1920	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924	60.5	.465	57.7	.548	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252
1929	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258

Open-hearth furnaces

Year	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle cranemen		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1913	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1915	77.3	.199	77.7	.330	75.5	.437	75.7	.356	76.0	.327	70.8	.186	97	104
1917	77.4	.296	77.1	.467	76.3	.586	76.0	.466	76.4	.466	74.4	.292	[2]	[2]
1919	75.7	.506	75.3	.753	74.9	.906	73.2	.796	75.6	.733	76.2	.468	[2]	[2]
1920	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	283
1922	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924	58.2	.540	56.3	.863	55.6	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301

Bar mills

Year	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1913	60.2	0.216	59.3	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100
1915	60.2	.198	59.4	.944	58.9	.438	59.8	.352	60.0	.216	62.9	.173	100	92
1919	63.7	.524	61.3	1.821	60.7	.933	61.6	.766	59.4	.545	66.1	.443	[2]	[2]
1920	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248
1922	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	169
1924	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203
1926	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.564	55.0	.411	89	205
1929	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.399	90	217

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1917 and 1919.

No. 354.—Wages and Hours of Labor, Etc.—Continued

IRON AND STEEL—Continued

Year	Tin-plate mills													
	Rollers		Roughers		Doublers, hand		Heaters, level-handed		Tinners, hand		Assorters, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1913	42.7	1.130	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100
1915	42.7	1.106	42.7	.562	42.7	.718	42.7	.611	43.3	.442	55.4	.162	100	103
1919	42.7	2.248	42.7	1.103	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	(2)	(3)
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.465	110	228
1922	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.795	43.3	.365	108	156
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	48.6	.422	106	191
1926	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169
1929	42.7	1.778	42.7	1.014	42.7	.912	42.7	.982	42.7	.907	46.1	.369	103	176

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
1913	100	100	(3)	(3)	100	100	100	100	100	100	100	100
1915	98	93	98	96	97	101	98	106	100	97	100	93
1920	100	238	101	270	92	249	98	263	86	249	96	215
1922	98	165	98	151	93	178	95	187	87	185	98	144
1924	75	220	105	220	75	231	82	220	81	226	96	167
1926	75	226	98	200	74	237	80	238	78	234	93	157
1929	77	226	95	209	75	251	83	261	79	247	93	164

FOUNDRIES[4]

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
											Males		Females	
	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour
1923	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.626	49.0	.459
1929	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451

MACHINE SHOPS[4]

Year	Assemblers, males		Fitters and bench hands, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
											Males		Females	
	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.683	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.2	.695	49.5	.728	50.1	.629	48.9	.403
1929	50.1	.657	49.8	.677	50.5	.469	50.3	.717	49.8	.739	50.3	.641	49.3	.399

AUTOMOBILE[4]

Year	Assemblers, chassis, males		Assemblers, motor, males		Gear-cutter operators, males		Grinding-machine operators, males		Tool and die makers, males		Employees in all occupations			
											Males		Females	
	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour	Hours per week	*Dolls.* Wages per hour
1922	50.2	0.647	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925	49.9	.694	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.0	.758	50.1	.762	49.5	.760	48.8	.792	48.8	.919	49.4	.756	50.3	.487

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1919.
[3] No data. [4] Data are available only for the years specified, see head note.

No. 354.—Wages and Hours of Labor, Etc.—Continued

LUMBER

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	[4]	[3]	[5]	[5]	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100	97
1913	61.2	0.184	61.0	0.258	60.9	.557	61.0	.268	61.0	.217	61.1	.171	100	100
1915	61.3	.178	61.2	.239	61.0	.539	61.0	.252	61.1	.203	61.3	.157	100	91
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.405	57.1	.345	92	194
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	94	166
1923	57.6	.343	57.0	.474	57.0	.883	57.1	.492	56.9	.430	57.5	.310	94	180
1925	58.2	.332	57.5	.458	57.7	.877	57.8	.468	57.7	.409	57.5	.309	94	178
1928	57.6	.335	56.5	.468	56.7	.887	56.7	.470	55.8	.429	56.9	.303	91	185

FURNITURE[4]

Year	Assemblers and cabinet makers		Carvers, hand		Carvers, machine		Machine, hands		Upholsterers		Veneerers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	58.0	0.228	56.1	0.313	[3]	[3]	58.7	0.212	55.0	0.297	58.8	0.200	101.4	98.6
1911	58.3	.230	56.2	.312	[3]	[3]	58.8	.211	55.8	.300	58.7	.206	101.7	98.2
1912	58.1	.223	56.3	.313	[3]	[3]	58.5	.211	56.4	.291	58.3	.213	101.4	97.3
1913	57.2	.227	55.2	.317	[3]	[3]	57.8	.217	56.2	.295	57.3	.217	100.0	100.0
1915	57.1	.235	55.5	.322	56.6	0.286	57.5	.223	55.3	.312	57.0	.218	99.5	103.2
1920	52.1	.560	48.6	.956	51.1	.765	52.4	.512	50.1	.724	52.5	.454	89.9	236.3

SLAUGHTERING AND MEAT PACKING

Year	Cattle killing												Hog killing	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male		Stickers, male	
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1917	[3]	0.384	[3]	0.318	[3]	0.563	[3]	0.319	[3]	0.591	[3]	0.238	[6]	0.357
1921	47.6	[6].645	47.8	[6].574	48.0	[6].848	47.8	[6].578	47.8	[6].855	47.8	[6].471	49.6	[6].611
1923	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925	50.0	.641	49.9	.558	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927	49.0	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
1929	48.6	.644	48.7	.580	48.7	.882	48.9	.598	48.7	.879	48.3	.466	50.0	.645

Year	Hog killing—Continued								All departments[7]		
	Scalders, male[8]		Shavers and scrapers, male		Gutters, bung droppers, and rippers-open, male		Splitters, male		Laborers, male[9]		All males	All females
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1917	[3]	0.295	[3]	0.200	[3]	0.337	[3]	0.364	[3]	0.237	[3] 0.271	[3] 0.178
1921	48.8	[6].516	48.9	[6].502	48.7	[6].584	48.8	[6].621	48.8	[6].461	48.4 [6].511	48.3 [6].365
1923	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2 .499	52.8 .361
1925	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.453	50.2 .507	49.4 .359
1927	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.3 .520	49.1 .364
1929	50.2	.516	49.9	.528	50.0	.602	49.9	.654	49.8	.443	49.3 .525	49.5 .369

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[3] No data.
[4] Data are available only for years specified, see head note.
[5] Data for doggers and setters combined are shown as carriage men prior to 1911.
[6] Not including data for 1 establishment in which employees are paid biweekly.
[7] Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting or fresh beef, cutting or fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.
[8] Includes tub men, droppers, gamb cutters, polemen, and duckers.
[9] Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 355.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations

District	Oil wells															
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pumpers		Firemen		Laborers, roustabouts, and connection men		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
California	48.0	0.991	48.0	1.369	48.0	0.888	48.0	0.812	48.0	0.709	48.0	0.734	48.0	0.917
Louisiana, northern	70.5	.511	75.6	.819	76.5	.438	71.3	.494	79.8	.468	67.3	.472	69.9	.522
Louisiana, southern	65.9	.562	68.2	.954	66.9	.496	72.2	.516	70.3	.521	63.6	.488	66.7	.572
Oklahoma	84.0	.602	74.5	1.080	66.5	.616	73.8	.454	78.0	.486	56.5	.522	62.6	.553
Texas, Gulf	60.4	.582	61.1	.969	59.2	.533	70.2	.479	69.8	.512	58.8	.519	62.5	.585
Texas, other	76.2	.505	80.3	.881	77.4	.501	81.5	.435	82.1	.479	65.0	.491	67.4	.535

District	Pipe lines													
	Engineers and pumpers		Firemen		Gaugers		Laborers, roustabouts, and connection men		Line walkers		Telegraph operators		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
California	48.0	0.871	48.0	0.799	48.0	0.900	48.0	0.704	48.0	0.745	------	------	48.0	0.803
Louisiana [1]	57.4	.673	53.6	.630	59.5	.726	55.1	.437	57.4	.604	50.1	0.668	55.5	.612
Oklahoma	58.3	.694	51.1	.711	64.1	.698	55.4	.456	56.5	.613	48.4	.720	56.3	.590
Texas, Gulf	55.5	.666	55.4	.605	53.9	.694	55.5	.479	56.4	.632	50.1	.690	55.2	.577
Texas, other	57.1	.681	55.3	.629	61.5	.661	61.9	.493	69.8	.565	52.6	.666	60.4	.591

[1] Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments.

Source: Bureau of Labor Statistics, Department of Labor.

No. 356.—WAGES PER HOUR IN THE COAL-MINING INDUSTRY

NOTE.—Practically all mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified

Industry and occupation	1922	1924	Industry and occupation	1922	1924	1926	1929
Anthracite: [1]			**Bituminous:**				
Average wages (cents per hour)—			Average wages (cents per hour)—				
General average	79.5	85.7	General average [2]	85.3	78.8	76.3	65.9
Contract miners	117.3	143.2	Brakemen [1]	77.9	71.0	68.7	59.6
Laborers	82.9	97.1	Drivers [1]	82.4	74.8	70.8	63.7
Drivers	58.0	63.2	Loaders, hand [3]	90.2	81.1	77.9	64.8
Company miners	69.7	79.5	Miners, hand or pick [3]	84.0	80.8	78.3	67.3
Laborers	62.9	69.6	Miners, machine [3]	127.4	116.3	119.5	101.8
Trackmen	67.5	74.1	Trackmen [1]	82.6	73.7	70.5	63.5

[1] Based on hours actually worked, excluding lunch time.
[2] Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.
[3] Based on hours actually worked, plus lunch time.

Source: Bureau of Labor Statistics, Department of Labor.

No. 357.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

NOTE.—The averages for wages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified

Year and industry	Hours, average		Wages, average		Year and industry	Hours, average		Wages, average	
	Males	Females	Males	Females		Males	Females	Males	Females
1923			*Cents*	*Cents*	1927			*Cents*	*Cents*
Automobile tire	49.6	49.0	74.1	46.0	Aluminum, brass, and copper wares	52.2	52.3	57.9	35.5
Paper and pulp mills:					Brass and copper sheet, rod, tube, wire and shape mills	53.8	54.7	55.6	34.8
Pulp	52.8	49.7	46.9	33.4					
Book paper	51.4	51.5	52.7	31.9					
Newsprint	49.3	50.3	58.9	32.9					
Wrapping paper	52.4	52.7	52.8	30.2					
Writing paper	51.3	51.2	55.1	37.9	Batteries and small motors:				
1924					Dry cell	49.5	49.3	54.1	41.6
Metalliferous mines	53.0	-------	55.9	-------	Storage	48.6	49.2	69.8	39.2
1925					Motors (1 H. P. or less)	48.9	48.0	64.2	42.9
Paper box board	54.3	53.9	51.8	28.3	Radio manufacture:				
Potteries:					Receiving sets	48.5	48.3	59.0	38.4
Semivitreous	(1)	(1)	70.5	38.5	Speakers	48.4	46.8	55.5	39.9
Vitreous	(1)	(1)	63.8	32.9	Tubes	48.9	48.5	60.2	40.7
					Cotton compresses	56.2	[2] 55.9	31.6	[2] 13.2
					Cottonseed-oil mills	70.9	(3)	24.0	(3)
					Cotton gins	66.2	(3)	29.3	(3)

[1] The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are pieceworkers and to quite an extent determine their own time.
[2] All female workers were "Colored."
[3] No females employed in the plants covered.

Source: Bureau of Labor Statistics, Department of Labor.

No. 358.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and the Department of Labor

Year and month	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
Monthly average:										
1915	20	20	20	14	12	16	21	25	25	26
1916	23	25	24	16	13	17	24	28	29	28
1917	28	31	30	21	17	21	29	34	36	36
1918	36	39	38	27	23	28	39	45	44	45
1919	41	41	41	32	28	36	43	53	47	52
1920	49	49	50	37	32	40	53	62	55	60
1921	36	38	35	26	25	28	35	45	46	50
1922	32	39	37	21	20	24	31	31	37	48
1923	38	51	45	25	22	25	39	34	42	54
1924	38	50	45	28	24	27	40	36	41	52
1925	38	48	45	27	25	27	37	38	44	52
1926	39	50	46	30	26	27	38	36	43	52
1927	39	49	47	28	25	30	39	38	45	53
1928	40	50	44	26	26	28	39	38	46	53
1929	39	51	43	27	26	31	40	38	46	53
1928										
March	38	51	48	23	28	28	41	37	42	52
June	40	48	42	26	26	30	37	36	45	53
September	43	48	42	24	25	26	38	39	52	54
December	39	51	44	28	26	30	41	38	46	53
1929										
March	37	51	44	23	27	33	42	37	43	52
June	40	51	42	29	26	32	38	37	47	52
September	41	51	43	29	25	31	39	37	48	54
December	40	51	45	27	25	31	39	38	50	53

Source: Bureau of Public Roads, Department of Agriculture.

No. 359.—AVERAGE HOURLY ENTRANCE WAGE RATES PAID COMMON LABOR

NOTE.—**Rates in cents per hour.** Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. Some establishments reported two rates—one for the 10-hour and one for the 8-hour day, or one for white and one for colored or Mexican workers; these distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for those geographic divisions where there are large numbers of colored or Mexican workers, and the highest, for localities where an 8-hour day is more or less prevalent

Industry and geographic division	1926				1927		1928		1929	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	July 1	Jan. 1	July 1	Jan. 1	July 1
Industries reporting	[1] 40.2	[1] 40.5	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7
Automobiles	46.6	47.0	46.1	44.3	45.6	46.3	50.5	57.2	55.9	49.9
Brick, tile, and terra cotta	41.7	38.4	40.7	38.1	40.2	42.2	38.0	39.4	37.8	37.8
Cement	40.4	40.9	40.1	40.1	39.6	39.2	38.3	37.2	37.9	37.8
Electrical machinery, apparatus and supplies	41.5	41.5	43.1	45.2	43.0	44.2	44.9	46.0	45.7	45.9
Foundry and machine-shop products	36.7	38.8	37.1	38.9	38.7	37.8	38.1	38.4	39.4	39.8
Iron and steel	41.4	42.2	42.7	42.3	42.7	43.2	42.6	42.5	42.5	42.5
Leather	40.7	42.2	40.9	38.8	43.1	41.4	42.1	42.3	42.1	42.2
Lumber (sawmills)	30.6	32.4	33.6	33.4	33.4	32.2	31.0	31.7	30.8	32.0
Paper and pulp	40.5	42.6	42.8	42.6	43.8	42.5	44.2	44.3	43.1	44.0
Petroleum refining	49.1	46.8	47.9	48.4	46.4	44.0	44.5	45.4	48.0	45.7
Slaughtering and meat packing	41.2	41.2	41.5	41.9	41.9	41.7	41.8	42.2	41.2	42.0
Public utilities [2]	40.6	41.4	42.0	41.7	39.4	39.8	41.2	42.9	41.9	42.8
General contracting [3]	(4)	(4)	47.1	49.5	49.8	48.2	48.2	47.4	48.6	48.3
United States	[1] 40.2	[1] 40.5	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7
New England	41.7	43.1	47.1	47.8	47.4	46.7	47.3	48.2	46.4	48.0
Middle Atlantic	42.6	42.7	45.1	46.9	46.8	47.2	48.7	47.8	47.6	46.4
East North Central	45.0	44.0	48.0	47.5	47.6	46.7	47.4	51.6	52.2	48.4
West North Central	39.4	39.0	40.1	40.6	41.0	40.6	41.1	41.3	41.0	41.8
South Atlantic	33.8	32.0	32.8	33.2	33.0	31.5	29.4	29.4	29.2	30.2
East South Central	26.3	27.1	27.6	27.4	27.0	27.0	26.7	26.0	26.3	26.8
West South Central	29.6	27.3	32.5	30.7	32.4	31.8	30.9	33.8	32.9	35.6
Mountain	40.3	44.9	44.4	44.8	46.3	44.4	43.7	44.0	45.1	44.9
Pacific	45.6	45.1	45.9	46.5	46.2	46.5	46.6	46.9	48.4	47.9

[1] Excludes data for "General contracting."
[2] Includes street railways, gas works, waterworks, and electric power and light plants.
[3] Includes building, highway, public works, and railroad construction.
[4] Data not available.

Source: Bureau of Labor Statistics, Department of Labor.

No. 360.—FEDERAL RESERVE BOARD INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—**Monthly average, 1923-1925=100.** Indexes are corrected for trend shown by biennial census data and are somewhat more comprehensive than those shown by the Department of Labor (Table 361). They are without seasonal adjustment. For details see Federal Reserve Board Bulletin for November, 1929, pages 706-716

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1920	114.0	113.1	115.2	113.9	111.7	110.9	108.4	108.6	107.1	103.5	97.5	90.3	107.9
1921	81.3	82.7	83.1	82.1	82.2	81.3	79.9	81.4	83.3	84.0	84.2	83.3	82.4
1922	82.6	84.4	85.6	85.4	87.6	89.5	87.0	90.3	93.6	96.5	98.5	100.0	90.1
1923	100.6	102.4	104.9	105.2	105.3	105.9	104.8	105.5	105.9	104.8	103.4	101.3	104.2
1924	99.9	101.1	101.4	99.7	96.3	93.5	90.5	91.8	94.3	95.1	94.6	95.9	96.2
1925	96.4	98.2	99.5	99.3	98.4	98.2	98.1	99.8	102.0	102.4	101.9	101.6	99.7
1926	100.8	101.9	102.6	101.9	100.9	100.7	99.3	101.1	103.5	103.2	101.2	100.0	101.4
1927	98.1	99.7	100.4	99.8	99.1	99.0	98.0	99.2	100.6	99.3	96.9	95.5	98.8
1928	94.2	95.7	96.6	96.0	95.7	96.2	95.7	98.3	100.3	100.2	98.8	98.1	97.2
1929	97.4	99.7	101.3	101.8	101.6	101.2	100.7	102.0	103.4	102.1	98.2	94.8	100.4
PAY ROLLS													
1920	117.3	115.9	124.2	121.6	123.3	125.2	120.3	123.0	121.1	117.2	108.4	99.6	118.1
1921	84.0	82.3	82.4	79.6	78.0	76.1	72.2	74.4	73.9	73.1	72.0	73.6	76.8
1922	69.7	72.7	74.8	73.8	77.2	80.4	77.6	82.4	86.5	89.4	93.1	95.6	81.1
1923	94.1	97.8	102.8	103.9	107.3	107.5	103.2	104.2	104.8	107.2	104.9	103.1	103.4
1924	98.4	103.6	103.8	101.4	96.8	91.7	85.1	88.9	92.3	95.2	93.5	97.6	95.7
1925	95.4	100.9	103.0	100.4	100.7	98.7	97.1	99.5	99.4	105.2	105.1	105.5	100.9
1926	101.2	105.6	107.4	105.3	103.8	103.8	99.3	103.6	105.0	108.3	104.6	103.8	104.3
1927	98.6	104.8	106.3	105.0	104.3	102.5	98.6	102.2	101.9	102.5	98.5	99.4	102.0
1928	95.7	101.1	102.5	100.3	100.8	100.9	98.3	102.5	104.2	107.5	103.6	104.2	101.8
1929	100.7	103.0	110.8	111.3	111.2	109.2	104.8	109.4	110.5	110.0	102.0	98.7	107.2

Source: Federal Reserve Board.

No. 361.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Indexes are based on returns from 12,500 establishments in 54 principal industries shown in Table 365, employing approximately 3,500,000 persons. Returns cover one week, ending on or about the 15th, in each month. Indexes are weighted according to the relative importance of the industries included. See also Table 360

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1923	106.6	108.4	110.8	110.8	110.8	110.9	109.2	108.5	108.6	108.1	107.4	105.4	108.8
1924	103.8	105.1	104.9	102.8	98.8	95.6	92.3	92.5	94.3	95.6	95.5	97.3	98.2
1925	97.9	99.7	100.4	100.2	98.9	98.0	97.2	97.8	98.9	100.4	100.7	100.8	99.2
1926	100.4	101.5	102.0	101.0	99.8	99.3	97.7	98.7	100.3	100.7	99.5	98.9	100.0
1927	97.3	99.0	99.5	98.6	97.6	97.0	95.0	96.1	95.8	95.3	93.5	92.6	96.4
1928	91.6	93.0	93.7	93.3	93.0	93.1	92.2	93.6	95.0	95.9	95.4	95.5	93.8
1929	95.2	97.4	98.6	99.1	99.2	98.8	98.2	98.6	99.3	98.3	94.8	91.9	97.5
PAY ROLLS													
1923	95.8	99.4	104.7	105.7	109.4	109.3	104.3	103.7	104.4	106.8	105.4	103.2	104.3
1924	98.6	103.8	103.3	101.1	96.5	90.8	84.3	87.2	89.8	92.4	91.4	95.7	94.6
1925	93.9	99.3	100.8	98.3	98.5	95.7	93.5	95.4	94.4	100.4	100.4	101.6	97.7
1926	98.0	102.2	103.4	101.5	99.8	99.7	95.2	98.7	99.3	102.9	99.6	99.8	100.0
1927	94.9	100.6	102.0	100.8	99.8	97.4	93.0	95.0	94.1	95.2	91.6	93.2	96.5
1928	89.6	93.9	95.2	93.8	94.1	94.2	91.2	94.2	95.4	99.0	96.1	97.7	94.5
1929	94.5	101.8	103.9	104.6	104.8	102.8	98.2	102.1	102.6	102.3	95.1	92.0	100.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 362.—MANUFACTURING ESTABLISHMENTS: AVERAGE PERCENTAGE OF FULL FORCE EMPLOYED AND OF FULL TIME ACTIVE, OPERATING ESTABLISHMENTS ONLY

NOTE.—Statistics cover the same industries as Table 361, but the reports are somewhat less complete, covering usually about 10,000 establishments. Data were not collected prior to March, 1924

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average percentage of normal full force employed:												
1924	----	----	82	80	77	76	75	77	79	81	81	81
1925	82	83	83	83	82	82	82	85	84	85	85	85
1926	85	87	87	87	86	85	86	87	88	88	87	87
1927	86	87	88	88	87	87	87	87	89	88	85	84
1928	84	85	86	86	87	87	87	87	90	90	89	89
1929	91	93	92	93	93	93	92	93	93	92	89	87
Average percentage of full time operated:												
1924	----	----	94	92	90	88	87	88	91	92	91	92
1925	92	93	93	92	92	92	92	94	93	94	94	94
1926	93	94	94	93	93	92	96	97	98	98	97	97
1927	96	97	97	97	97	96	97	97	97	97	96	96
1928	96	96	96	96	96	97	96	97	97	97	98	98
1929	97	98	98	98	98	98	97	98	98	98	97	96

Source: Bureau of Labor Statistics, Department of Labor.

No. 363.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: BY GEOGRAPHIC DIVISIONS

NOTE.—Monthly average 1926=100. Figures are unweighted relative numbers. As to scope of reports on which indexes are based see head note Table 361

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment								
1925									
March	104.4	101.5	96.7	100.2	97.7	102.6	99.9	96.6	93.8
June	99.2	98.5	97.0	100.1	94.0	100.0	96.1	105.2	102.1
September	97.8	99.0	99.7	102.0	95.8	102.1	98.9	102.4	103.0
December	101.7	102.2	101.2	101.0	100.7	104.3	100.2	104.3	97.2
1926									
March	104.4	102.1	103.6	99.0	102.1	102.8	98.8	95.6	96.5
June	98.4	99.2	99.9	100.1	98.1	98.6	100.5	103.1	102.5
September	99.1	99.7	100.9	102.0	100.6	98.7	101.2	103.4	101.8
December	99.5	98.9	94.1	98.2	101.4	97.2	99.8	100.4	97.8

No. 363.—Employment and Pay-Roll Indexes in Manufacturing Establishments: By Geographic Divisions—Continued

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment—Continued								
1927									
March	99.4	97.8	99.0	96.6	102.9	95.4	97.4	93.0	97.0
June	95.3	94.6	97.7	99.5	100.9	93.0	94.9	99.0	101.7
September	95.5	93.6	94.5	98.9	101.8	92.6	95.3	98.2	100.7
December	92.0	90.6	91.5	93.3	99.9	92.0	90.8	93.4	94.6
1928									
January	91.4	88.7	93.3	92.6	98.2	90.9	89.2	88.5	90.4
February	92.1	89.2	97.8	95.5	98.5	92.0	89.4	89.2	91.1
March	90.9	89.4	100.1	96.0	100.0	91.8	89.6	90.0	93.8
April	89.4	88.4	100.4	95.5	98.4	92.0	89.3	91.2	97.1
May	86.8	88.2	102.4	96.2	96.6	90.4	88.8	94.1	98.6
June	85.8	88.3	102.7	98.7	96.5	90.0	89.0	97.2	99.3
July	85.8	87.4	102.1	97.4	94.2	86.8	90.0	97.9	97.8
August	86.0	87.9	105.8	97.2	96.8	89.9	90.9	97.0	99.7
September	88.0	89.4	107.5	97.1	98.2	90.8	92.1	97.6	101.5
October	90.7	91.0	107.5	97.6	98.7	90.3	91.9	98.0	100.4
November	91.3	91.1	104.1	95.9	99.7	91.3	92.3	97.0	97.9
December	91.6	91.1	104.2	96.1	99.0	91.3	90.2	95.3	95.5
1929									
January	91.1	90.9	107.0	95.9	98.0	92.1	88.4	92.6	92.7
February	92.2	93.1	111.8	97.9	100.1	92.3	89.6	89.0	92.0
March	92.8	94.0	113.4	97.3	101.6	93.1	93.0	92.2	94.3
April	92.6	94.2	114.2	97.9	101.5	93.5	94.1	94.3	98.2
May	92.2	94.7	114.9	98.9	100.2	90.7	93.3	97.7	100.9
June	91.3	95.3	112.3	100.6	100.3	91.8	93.2	101.7	101.2
July	91.0	95.4	111.2	100.6	98.8	92.0	95.7	100.5	101.8
August	90.8	96.0	110.9	101.4	99.9	93.3	97.3	103.1	102.2
September	92.5	96.5	110.7	101.9	100.2	93.9	99.8	100.3	100.8
October	92.8	96.3	107.0	100.7	100.2	94.0	99.6	98.5	99.9
November	89.8	94.2	98.0	98.0	99.4	91.9	97.8	98.6	96.9
December	87.2	91.3	93.8	94.8	97.2	88.1	93.4	94.4	92.8
	Pay-roll totals								
1925									
March	105.2	101.3	98.3	99.6	97.6	102.0	101.1	98.6	95.8
June	96.3	95.1	97.0	99.8	91.2	97.6	94.1	105.0	102.3
September	93.4	93.8	96.3	98.6	90.9	97.8	95.1	98.3	99.9
December	103.0	102.4	104.3	100.6	102.4	106.4	101.5	102.3	98.4
1926									
March	106.7	103.2	106.5	100.4	103.1	103.8	97.6	97.2	97.2
June	97.4	99.6	100.2	102.2	97.4	98.7	100.5	104.3	104.6
September	98.2	99.4	99.4	101.2	99.6	97.0	100.8	101.0	101.2
December	100.1	100.4	92.1	96.4	104.0	99.3	102.9	102.6	99.0
1927									
March	101.5	99.8	102.9	96.5	104.1	98.1	100.3	97.6	99.0
June	96.0	94.1	97.4	99.9	100.3	93.7	98.5	102.1	104.0
September	96.7	92.3	91.7	96.8	99.9	91.8	96.0	97.9	100.5
December	92.0	90.6	92.3	92.1	99.4	91.1	94.7	91.2	97.9
1928									
January	90.1	86.8	90.2	90.3	94.7	86.6	92.9	90.3	89.8
February	91.6	89.8	102.4	95.8	98.0	92.4	93.5	91.3	92.7
March	90.2	90.6	105.4	97.4	99.5	91.9	93.0	94.1	96.6
April	88.0	87.4	104.9	96.1	96.2	92.1	92.3	96.9	100.2
May	86.0	88.8	107.3	97.3	96.4	90.5	91.9	97.8	102.1
June	86.1	89.0	105.7	100.5	95.9	89.3	91.6	99.8	101.8
July	85.4	86.2	102.3	97.4	91.9	85.4	92.9	98.8	99.4
August	85.8	88.5	109.8	98.2	96.7	89.0	95.1	98.7	101.5
September	90.5	89.8	109.7	97.0	97.1	88.3	95.4	100.1	101.6
October	92.9	93.4	114.8	99.5	100.7	89.9	97.6	102.6	102.4
November	91.6	92.1	107.2	92.2	100.7	90.2	96.3	100.9	98.7
December	95.3	93.5	106.7	94.9	100.9	93.0	95.3	98.7	96.6
1929									
January	92.4	91.1	104.5	94.1	96.3	88.8	91.4	95.2	90.9
February	96.0	95.8	120.0	98.4	102.3	92.7	93.5	95.0	93.3
March	97.4	97.9	121.8	99.3	104.3	93.1	100.5	98.4	96.3
April	96.6	98.2	123.7	100.6	105.1	94.9	101.9	101.2	101.5
May	95.7	98.7	123.9	102.4	104.2	92.1	101.4	104.4	105.5
June	95.0	98.8	117.6	103.1	103.1	92.0	99.9	106.2	104.2
July	93.8	96.2	107.0	102.1	98.7	90.9	102.4	106.2	102.7
August	93.9	98.7	115.5	104.3	101.6	94.3	104.8	104.3	102.7
September	96.7	99.6	113.1	104.5	102.1	94.8	109.9	105.1	102.5
October	96.1	100.2	110.0	103.2	103.7	95.6	112.1	105.3	103.1
November	88.4	95.9	95.6	97.8	101.3	89.8	105.1	105.6	98.6
December	86.8	93.5	89.8	94.7	99.4	87.3	102.4	102.3	96.0

Source: Bureau of Labor Statistics, Department of Labor.

No. 364.—EMPLOYMENT AND PAY-ROLL INDEXES IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Combined index for each group is weighted according to relative importance of industries covered. See also headnote Table 361.

Yearly average and month	Food products		Textile products		Iron and steel products		Other metal products		Lumber and products		Leather and products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1924 average	106.4	104.4	102.4	101.0	93.8	89.1	95.1	93.0	104.4	99.6	100.3	100.6
March	107.7	105.1	111.5	112.8	102.8	102.4	104.2	106.9	106.6	103.2	107.4	109.5
June	104.9	104.2	98.4	91.9	92.5	84.5	93.6	88.0	104.2	101.2	91.9	90.1
September	108.1	106.2	97.2	97.2	86.8	79.3	87.2	84.9	102.9	97.9	100.3	103.9
December	106.5	106.7	103.0	105.1	91.8	91.0	95.8	97.0	102.1	99.0	100.6	100.6
1925 average	101.2	99.9	103.7	104.2	95.0	93.3	99.2	99.4	102.5	100.4	101.9	101.8
March	100.3	98.7	107.3	112.9	96.5	96.7	99.8	101.4	101.9	100.2	105.6	109.3
June	99.4	99.5	102.0	98.7	94.1	91.3	98.4	98.5	103.2	102.6	95.1	93.7
September	102.8	99.1	100.9	96.9	93.9	87.9	98.8	94.0	103.7	102.0	105.0	103.2
December	103.0	103.1	104.1	104.8	97.9	99.7	104.1	107.3	100.9	102.1	98.8	96.0
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	98.3	98.0	104.5	108.3	101.2	103.6	105.5	108.5	98.8	98.6	101.2	102.7
June	98.8	100.1	97.6	94.8	100.9	101.2	98.8	99.0	101.4	102.4	94.5	94.2
September	102.9	102.7	97.8	96.5	100.7	98.8	98.2	95.0	101.1	102.6	104.0	100.6
December	100.7	101.5	101.9	103.8	97.6	99.1	96.0	97.1	97.1	98.7	99.9	97.9
1927 average	99.4	100.0	101.3	103.0	93.2	91.9	92.9	91.6	91.9	93.1	97.9	97.4
March	97.1	97.0	104.2	109.4	98.2	100.6	97.0	99.4	91.3	92.7	101.4	102.5
June	101.0	102.8	99.9	100.3	94.5	94.4	93.0	92.9	92.5	94.9	94.4	94.0
September	102.6	102.2	100.9	103.1	91.3	87.1	91.2	87.3	93.7	95.9	101.1	103.6
December	100.1	100.9	100.6	102.3	86.6	85.2	88.2	88.4	87.9	90.1	91.8	87.1
1928 average	98.4	99.8	96.3	95.6	91.5	92.8	92.8	96.1	87.8	88.8	92.8	89.7
March	97.3	98.9	100.3	101.2	90.0	92.5	90.7	92.1	86.2	87.6	96.5	96.8
June	96.9	99.5	94.1	91.6	91.7	93.3	92.0	93.7	88.3	90.2	89.3	85.0
September	100.0	101.2	93.6	93.2	93.2	92.9	94.2	98.2	90.1	91.7	95.1	95.7
December	102.1	104.4	97.7	99.5	95.0	98.0	98.6	103.2	87.6	88.3	87.8	83.6
1929 average	99.4	101.7	97.0	97.2	98.9	102.6	97.6	102.8	87.9	88.9	92.8	89.9
March	97.4	98.6	99.9	104.3	99.2	105.2	101.9	112.3	86.2	86.8	91.8	88.2
June	98.9	102.7	97.3	97.3	101.7	106.8	98.9	104.6	89.8	90.7	88.5	86.8
September	102.1	105.3	97.1	97.8	100.7	104.2	96.2	100.6	91.4	94.9	98.4	100.7
December	100.3	102.8	93.5	90.7	93.2	92.7	88.7	87.4	81.2	81.2	89.1	81.4

Yearly average and month	Paper and printing		Chemicals and allied products		Stone, clay, and glass		Tobacco products		Vehicles		Miscellaneous products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1924 average	93.7	91.7	93.1	91.0	97.0	95.2	109.8	108.9	97.2	94.3	90.7	89.0
March	97.7	93.5	104.2	99.6	99.4	98.9	111.4	111.7	105.2	104.0	98.9	97.4
June	95.9	90.6	86.0	87.0	99.7	99.6	107.7	108.8	93.5	90.9	87.6	84.5
September	96.3	90.8	89.4	87.4	95.3	91.7	110.9	110.1	92.3	87.9	84.9	82.9
December	98.2	95.2	91.7	90.3	94.6	94.3	112.5	115.9	93.6	92.8	90.1	88.7
1925 average	97.3	94.3	95.8	94.2	97.9	97.3	107.5	105.7	99.8	100.7	94.6	92.8
March	98.0	95.1	100.6	98.5	95.8	95.8	109.3	103.1	98.6	103.0	96.3	96.3
June	95.9	92.0	88.5	89.4	101.0	99.6	105.8	105.2	99.0	99.8	93.9	91.1
September	96.7	91.9	98.9	93.9	100.1	97.2	107.5	104.8	101.0	98.0	93.1	88.9
December	100.0	100.9	99.6	98.8	98.6	99.9	111.0	115.4	101.6	104.4	97.3	97.1
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	99.5	100.2	106.9	103.9	96.6	97.6	103.0	102.7	105.4	108.0	101.5	101.0
June	98.9	99.4	95.2	98.2	104.3	105.6	101.3	101.0	101.0	102.0	97.9	98.4
September	100.4	99.4	101.9	100.7	103.9	101.6	99.4	101.6	100.1	98.4	99.6	97.4
December	102.4	104.3	98.6	101.7	96.7	98.5	100.8	102.4	90.6	88.7	104.3	107.7
1927 average	100.1	101.2	96.6	98.1	94.5	94.2	98.1	97.1	90.8	91.6	99.5	100.9
March	100.8	102.4	106.7	108.1	95.1	96.6	97.5	93.6	94.6	98.4	105.9	109.3
June	98.8	99.6	91.8	98.2	99.3	99.2	98.8	100.1	93.3	92.5	102.0	102.9
September	99.8	100.2	95.3	96.8	95.3	93.4	102.6	104.2	89.6	87.9	94.4	91.5
December	101.7	104.9	91.9	96.5	89.1	89.0	98.7	100.2	85.0	87.1	93.4	97.9
1928 average	99.2	101.5	93.4	95.9	89.7	89.6	96.0	93.5	85.8	88.3	91.6	91.9
March	98.8	101.4	101.7	100.7	87.3	87.1	96.0	91.4	93.2	99.1	89.7	90.4
June	98.0	100.8	87.5	91.7	93.4	92.8	95.3	94.9	97.7	99.8	90.0	92.0
September	98.6	100.9	94.7	96.6	93.4	91.8	98.9	98.2	101.5	101.4	91.7	91.8
December	101.2	105.1	95.1	97.2	87.3	88.4	98.0	90.5	94.6	96.4	97.9	100.1
1929 average	101.3	106.0	99.4	102.3	86.6	85.3	93.6	92.8	99.8	105.2	110.7	112.3
March	100.1	106.4	103.2	102.5	84.0	83.3	94.2	89.2	106.9	117.2	107.4	112.6
June	100.2	105.2	94.4	99.9	90.7	90.8	93.5	93.6	103.1	109.8	115.3	118.5
September	102.9	107.7	101.6	105.2	90.5	89.6	95.9	98.6	99.9	104.8	114.7	115.1
December	103.8	109.4	98.8	103.0	79.6	78.7	91.4	94.0	83.7	84.1	106.2	108.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 365.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: ANNUAL AVERAGES BY INDUSTRIES

NOTE.—Monthly average 1926=100. For general index of all industries and for group totals see Tables 361 and 364, respectively

Industry group and industry	Employment						Pay-roll totals					
	1924	1925	1926	1927	1928	1929	1924	1925	1926	1927	1928	1929
Food and kindred products:												
Slaughtering and meat packing	115.1	104.4	100.0	99.5	99.5	101.0	111.8	102.6	100.0	99.9	101.0	103.2
Confectionery	103.2	98.1	100.0	96.5	93.0	92.3	99.9	96.4	100.0	97.9	93.3	94.1
Ice cream	100.3	101.3	100.0	94.0	92.4	91.9	93.1	98.3	100.0	93.4	93.1	93.0
Flour	108.1	103.1	100.0	99.3	100.0	102.1	108.2	102.5	100.0	99.4	102.1	105.3
Baking	100.5	98.7	100.0	101.4	100.9	102.1	98.4	97.1	100.0	102.2	101.6	103.5
Sugar refining, cane	104.6	104.5	100.0	98.8	91.1	94.0	105.4	104.6	100.0	98.8	94.9	98.5
Textiles and products:												
Cotton goods	99.9	101.1	100.0	105.0	95.2	95.5	99.6	101.1	100.0	108.5	91.7	94.3
Hosiery and knit goods	92.6	100.2	100.0	99.0	94.7	98.1	82.9	96.4	100.0	102.2	97.3	104.3
Silk goods	94.1	103.1	100.0	98.4	96.9	98.0	88.6	102.7	100.0	99.2	100.2	100.9
Woolen and worsted goods	113.3	110.7	100.0	99.7	95.0	96.0	114.1	110.6	100.0	100.6	94.4	96.3
Carpets and rugs	98.1	100.7	100.0	102.5	101.0	106.8	95.2	101.2	100.0	104.1	95.9	101.4
Dyeing and finishing textiles	94.0	101.7	100.0	108.7	99.5	101.8	91.8	102.3	100.0	102.8	101.0	102.2
Clothing, men's	106.9	103.1	100.0	97.8	92.2	91.9	111.0	105.8	100.0	97.3	89.0	88.2
Shirts and collars	100.6	103.3	100.0	95.0	92.2	92.7	97.5	103.2	100.0	96.3	89.9	90.8
Clothing, women's	111.9	105.6	100.0	105.4	105.4	105.4	108.0	109.3	100.0	107.4	105.2	105.1
Millinery and lace goods	120.3	117.1	100.0	95.6	93.5	93.1	117.1	115.8	100.0	96.8	92.7	91.1
Iron and steel and products:												
Iron and steel	95.4	97.9	100.0	92.9	90.9	94.7	91.3	96.4	100.0	91.4	92.7	99.3
Cast-iron pipe	98.2	95.6	100.0	89.8	80.1	76.1	97.8	96.2	100.0	88.1	75.9	75.5
Structural ironwork	91.7	92.5	100.0	94.9	95.0	102.1	86.3	91.5	100.0	95.0	97.0	104.4
Foundry and machine-shop products	93.0	93.1	100.0	93.8	92.3	104.3	87.2	90.6	100.0	92.4	92.8	108.1
Hardware	104.2	103.6	100.0	92.2	88.9	91.9	95.7	98.4	100.0	90.9	88.4	93.7
Machine tools	82.0	85.8	100.0	92.8	100.8	129.8	74.9	83.4	100.0	92.2	107.5	139.8
Steam fittings and steam and hot-water heating apparatus	98.6	100.1	100.0	92.5	82.2	78.5	95.4	97.4	100.0	91.9	81.9	78.8
Stoves	100.3	97.8	100.0	91.2	87.6	90.8	101.0	97.8	100.0	90.4	84.7	87.3
Metal products:												
Stamped and enameled ware	94.7	99.0	100.0	88.9	88.8	90.4	93.2	100.2	100.0	90.6	90.4	91.1
Brass, bronze, and copper	95.2	99.2	100.0	94.5	94.4	101.1	92.9	99.1	100.0	92.0	98.0	107.4
Lumber and its products:												
Lumber, sawmills	108.0	103.6	100.0	91.0	86.7	85.9	102.8	101.7	100.0	92.4	88.0	86.9
Lumber, millwork	101.2	103.0	100.0	89.2	85.5	83.1	98.0	101.8	100.0	89.2	85.6	82.8
Furniture	95.2	99.1	100.0	96.1	92.5	95.9	90.7	95.6	100.0	98.2	93.2	97.0
Leather and its products:												
Leather	96.9	98.7	100.0	98.4	95.4	92.2	95.7	97.5	100.0	97.2	93.7	93.2
Boots and shoes	101.6	102.9	100.0	97.7	91.9	92.9	102.8	103.6	100.0	97.6	88.0	89.0
Paper and printing:												
Paper and pulp	98.6	98.7	100.0	97.5	94.4	95.5	94.4	96.8	100.0	96.6	94.9	98.2
Paper boxes	98.2	98.8	100.0	96.8	94.0	96.0	93.3	95.6	100.0	99.0	99.4	103.3
Printing, book and job	97.9	97.5	100.0	100.3	99.2	102.6	90.8	93.1	100.0	102.1	101.6	106.8
Printing, newspapers	93.1	95.4	100.0	103.4	105.2	108.3	89.7	93.0	100.0	104.6	107.4	112.8
Chemicals and allied products:												
Chemicals	96.2	97.3	100.0	100.0	99.3	103.2	92.5	94.3	100.0	103.7	103.3	107.1
Fertilizers	86.9	95.1	100.0	91.2	95.4	95.2	83.6	90.6	100.0	94.0	97.1	94.7
Petroleum refining	91.8	94.0	100.0	94.6	84.8	96.5	91.7	95.2	100.0	95.6	87.2	99.1
Stone, clay, and glass:												
Cement	108.9	105.3	100.0	95.8	87.7	81.1	107.9	104.9	100.0	96.5	88.3	81.0
Brick, tile, and terra cotta	97.4	98.9	100.0	94.3	84.9	80.5	98.5	99.1	100.0	94.1	82.8	76.9
Pottery	100.6	98.3	100.0	94.5	95.3	94.2	95.1	96.3	100.0	94.2	93.4	91.0
Glass	91.4	94.4	100.0	94.2	92.9	94.6	88.2	93.4	100.0	93.4	94.3	97.3
Tobacco products:												
Chewing and smoking tobacco and snuff	105.2	97.0	100.0	97.7	95.2	89.3	101.2	98.3	100.0	97.7	94.1	89.6
Cigars and cigarettes	110.4	109.0	100.0	98.1	96.0	94.2	109.9	106.7	100.0	97.0	93.4	93.2
Vehicles:												
Automobiles	87.0	99.0	100.0	91.2	111.3	116.9	83.8	102.4	100.0	90.3	114.4	118.7
Carriages and wagons	90.8	100.2	100.0	78.7	76.7	78.6	95.0	100.4	100.0	83.6	82.1	84.1
Car building and repairing—												
Electric-railroad	100.0	99.6	100.0	100.9	94.9	91.9	97.8	109.5	100.0	101.1	96.2	93.9
Steam-railroad	105.8	100.6	100.0	90.3	83.5	85.1	102.8	99.4	100.0	92.3	85.4	92.3
Miscellaneous:												
Agricultural implements	81.2	93.6	100.0	91.9	106.8	121.1	75.2	90.8	100.0	92.2	111.8	125.3
Electrical machinery, apparatus, and supplies	95.1	92.1	100.0	95.1	93.9	118.3	94.7	92.2	100.0	95.7	95.9	121.5
Pianos and organs	99.9	98.9	100.0	90.4	77.1	66.6	96.6	97.8	100.0	87.4	74.3	63.8
Rubber boots and shoes	82.7	97.1	100.0	108.3	101.1	97.6	76.6	97.7	100.0	107.7	101.0	99.3
Automobile tires	88.6	102.2	100.0	97.3	103.3	104.1	88.1	100.4	100.0	98.2	105.7	101.8
Shipbuilding	90.2	92.6	100.0	104.8	82.8	105.3	88.8	90.3	100.0	105.8	83.0	108.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 366.—INDEXES OF FACTORY EMPLOYMENT IN SPECIFIED STATES

[Index numbers for all States relative to 1923 monthly average as 100, except Massachusetts and Illinois which are relative to an average of the years 1919–1923, and 1925–1927, respectively]

Year and month	Employees on pay roll						Amount of pay roll				
	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [6]
Monthly average:											
1921	88.6	83.9					79.2				
1922	93.7	90.3			[6] 101.9		83.1			[7] 96.7	
1923	102.1	100.0	100.0	100.0	112.5	100.0	100.0	100.0	100.0	107.4	100.0
1924	90.2	91.2	90.4	88.0	103.1	95.1	92.7	90.0	86.2	95.3	97.1
1925	90.5	90.5	90.1	91.0	99.8	99.3	93.9	90.7	89.5	97.9	105.9
1926	92.1	90.7	95.6	92.0	103.1	99.5	95.6	101.2	93.4	104.2	106.8
1927	87.6	87.0	95.5	85.6	97.1	94.8	93.6	103.6	87.2	98.0	101.4
1928	78.1	83.5	92.1	80.7	95.3	94.2	90.3	100.7	82.8	95.2	102.4
1929	78.0	87.5	100.2	86.3	102.6	97.2	96.3	112.5	90.4	102.7	103.9
1924											
March	95.4	98.0	95.2	94.5	110.3	101.7	101.3	96.6	95.2	101.5	107.1
June	85.3	88.4	88.5	85.8	102.6	90.4	88.3	88.6	80.3	92.7	90.2
September	88.0	88.4	87.8	84.9	99.0	92.3	91.0	87.0	79.7	90.5	92.1
December	91.7	90.2	90.5	89.6	99.5	94.6	93.5	91.0	91.1	97.6	99.1
1925											
March	92.5	92.3	88.5	92.5	100.8	97.7	96.4	89.3	92.4	97.6	103.6
June	87.1	88.7	86.7	90.4	98.4	99.4	91.0	87.7	87.4	97.2	105.8
September	90.1	90.3	92.5	90.2	99.6	100.7	93.9	90.0	85.2	93.6	106.4
December	92.4	93.2	96.9	92.5	101.6	100.4	99.4	100.9	94.7	103.2	108.1
1926											
March	95.4	93.3	95.2	92.7	103.7	101.3	99.5	98.9	95.7	105.3	112.3
June	89.4	89.7	90.3	90.7	103.0	98.4	95.5	96.1	93.0	105.4	107.3
September	92.4	90.4	100.0	93.0	104.9	100.6	97.3	106.0	92.7	102.8	106.3
December	91.3	89.4	100.1	91.1	101.6	94.3	96.7	110.7	95.5	102.9	97.9
1927											
March	91.4	89.3	98.9	89.5	100.0	96.9	97.6	108.4	94.0	101.1	104.2
June	85.9	86.6	94.1	85.6	98.5	94.1	92.7	102.8	87.3	102.5	102.2
September	87.1	87.5	94.8	83.8	96.0	95.9	95.0	102.1	82.9	94.2	101.7
December	83.0	84.4	93.3	81.2	92.6	90.7	91.7	103.3	82.7	92.9	99.5
1928											
January	82.3	82.6	91.2	80.2	90.6	90.3	88.6	98.4	78.9	87.6	88.9
February	83.3	83.5	90.7	81.6	93.1	92.1	89.4	99.6	85.4	94.8	99.1
March	82.1	83.9	90.2	81.6	94.2	92.6	91.3	98.7	84.7	94.5	106.7
April	80.4	82.9	89.6	80.0	93.0	91.8	87.6	96.4	79.7	93.1	97.6
May	75.4	82.0	90.0	80.0	93.6	91.8	87.8	98.0	83.0	95.1	99.9
June	73.6	82.2	89.9	80.2	95.8	92.9	89.0	98.2	82.6	97.9	104.8
July	72.9	81.5	89.8	78.8	93.9	96.8	87.2	96.1	76.2	91.4	98.7
August	74.2	82.5	90.7	80.8	96.3	97.9	89.0	98.5	83.1	96.3	108.7
September	75.6	84.3	94.1	81.4	97.7	97.1	92.0	102.3	82.9	97.1	106.5
October	78.8	86.0	94.6	81.6	97.8	97.0	94.0	105.1	87.0	98.3	110.2
November	79.3	85.8	96.8	81.5	98.3	95.7	93.5	106.8	84.9	97.7	107.3
December	78.9	85.3	97.9	80.4	99.2	94.8	94.3	109.9	84.6	98.2	100.5
1929											
January	78.1	84.8	96.7	80.8	98.2	94.2	92.5	107.8	82.4	94.7	96.1
February	79.4	87.1	98.1	83.5	100.3	97.2	96.0	110.9	90.2	100.7	110.0
March	79.9	88.7	99.0	83.8	102.2	98.5	98.8	112.2	91.4	101.6	110.7
April	79.0	88.3	99.6	84.6	103.0	99.2	97.4	112.9	92.4	105.2	111.5
May	78.8	87.5	100.8	85.3	103.7	99.1	96.5	114.3	93.7	105.7	110.1
June	77.2	87.6	101.2	85.8	104.1	98.2	96.5	113.7	92.8	107.5	107.0
July	77.0	87.3	101.6	86.3	103.4	100.3	95.5	110.7	88.2	102.7	100.2
August	77.8	87.7	103.0	87.2	105.1	99.2	96.8	115.0	93.3	106.0	105.3
September	79.8	89.3	104.0	87.6	105.8	97.7	99.9	116.0	91.2	105.0	99.2
October	79.6	89.7	103.3	86.8	103.8	98.1	99.1	117.7	93.4	105.8	106.0
November	76.1	87.6	100.0	93.1	102.7	94.7	95.0	112.4	89.8	101.3	100.4
December	73.2	84.2	94.8	90.9	99.3	90.1	91.9	106.6	85.7	96.3	89.7

[1] Compiled by the Massachusetts Department of Labor and Industries, Division of Statistics, from about 1,000 firms each month. Data are connected by the chain relative method.

[2] Compiled by the New York State Department of Labor from reports of 1,648 firms employing more than one-third of the factory workers of the State.

[3] Compiled by the Federal Reserve Bank of Philadelphia from reports of about 1,000 plants each month in the States of New Jersey, Pennsylvania, and Delaware. Since August, 1926, figures for New Jersey are from the New Jersey Department of Labor.

[4] Compiled by the Illinois Department of Labor from reports of manufacturing establishments, based on the pay roll nearest the 15th of the month.

[5] Compiled by the Industrial Commission of Wisconsin, based on link relatives from reports of manufacturing firms.

[6] Index number represents 11 months' average; no data reported for June.

[7] Index number represents 6 months' average, July to December, inclusive.

Source: Department of Commerce, Survey of Current Business.

No. 367.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

NOTE.—Index numbers for all States relative to 1923 monthly average as 100, except for Illinois which is relative to an average of the years 1925–1927. For original sources of data, numbers of firms reporting, etc., in each State, see notes 2 to 5, Table 366

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
Monthly average:									
1920	$28.15	----------	$28.58	103.3	----------	----------	----------	----------	116.5
1921	25.72	----------	22.80	94.4	----------	----------	----------	----------	92.8
1922	25.04	[1]$24.70	21.66	91.9	----------	----------	----------	[1]80.1	90.0
1923	27.24	27.07	23.97	100.0	100.0	100.0	100.0	95.4	100.0
1924	27.68	27.55	24.40	101.6	99.6	97.1	100.5	97.1	101.5
1925	28.26	27.93	25.56	103.7	100.8	98.3	98.9	98.4	106.6
1926	29.02	28.67	25.67	106.5	106.1	101.2	101.3	101.0	107.1
1927	29.30	28.52	25.45	107.6	109.5	101.3	102.7	100.5	106.2
1928	29.44	28.56	25.87	108.1	110.0	102.0	102.4	100.2	108.6
1929	29.99	28.69	25.90	110.1	113.2	105.9	106.1	101.0	106.7
1927									
March	29.78	28.72	25.80	109.3	110.3	104.5	103.9	101.2	107.6
June	29.17	29.27	26.05	107.1	110.0	101.6	102.7	103.2	108.7
September	29.57	27.65	25.40	108.6	108.5	98.3	100.9	97.4	105.9
December	29.57	28.15	25.24	108.6	111.4	101.3	106.0	99.2	105.3
1928									
March	29.64	28.48	27.62	108.8	110.1	103.5	103.8	100.4	115.2
June	29.48	29.28	27.03	108.2	110.0	102.2	103.4	103.2	112.8
September	29.72	28.31	26.30	109.1	109.5	101.1	100.7	99.8	109.7
December	30.12	29.55	25.40	110.6	113.1	104.6	107.9	101.5	106.0
1929									
March	30.35	28.92	26.95	111.4	114.2	108.7	108.0	101.9	112.4
June	30.02	29.46	26.03	110.2	113.2	107.5	108.4	103.8	109.0
September	30.47	28.26	25.17	111.9	112.3	103.6	102.6	99.6	101.6
December	29.75	28.12	24.18	109.2	113.3	102.3	106.5	99.1	98.2

[1] Average of last 6 months of the year.

Source: Department of Commerce, Survey of Current Business.

No. 368.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES

[Indexes based on July, 1914=100]

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Women	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1914 (July)	$12.54	100	$10.71	100	$14.16	100	$7.84	100
1920 [1]	29.52	235	27.11	253	33.31	235	18.27	233
1921	23.60	188	20.48	191	26.56	188	16.07	205
1922 [2]	24.04	192	20.53	192	27.43	194	16.00	204
1923	26.54	212	22.59	211	30.18	213	17.46	223
1924	26.28	210	22.97	215	30.01	212	16.72	213
1925	26.93	215	23.74	222	30.89	217	17.21	220
1926	27.16	217	23.97	224	31.23	221	17.24	220
1927	27.22	217	24.40	228	31.14	220	17.32	221
1928	27.41	218	24.85	232	31.71	224	17.15	219
1929	28.25	225	25.36	237	32.50	230	17.62	225
HOURLY EARNINGS								
1914 (July)	.245	100	.203	100	.280	100	.154	100
1920 [1]	.606	247	.547	269	.692	247	.421	274
1921	.523	214	.446	220	.594	212	.368	239
1922 [2]	.493	202	.409	201	.562	201	.355	231
1923	.540	221	.451	222	.616	220	.388	252
1924	.561	229	.473	233	.638	228	.391	254
1925	.558	228	.469	232	.641	230	.390	253
1926	.562	230	.477	235	.647	231	.398	258
1927	.570	233	.490	241	.652	233	.400	260
1928	.571	233	.494	243	.658	235	.398	258
1929	.580	237	.501	247	.668	239	.399	259

[1] Average of last 7 months. [2] Average of last 6 months.

Source: National Industrial Conference Board, Inc.

No. 369.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 371; for previous years they included also the metal and millwork trades. See also headnote, Table 370

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1907	89.7	102.6	91.5	1919	154.5	94.7	147.8
1908	91.0	102.1	92.5	1920	199.0	93.8	188.5
1909	91.9	101.9	93.3	1921	205.3	93.9	193.3
1910	94.4	101.1	95.2	1922	193.1	94.4	183.0
1911	96.0	100.7	96.5	1923	210.6	94.3	198.6
1912	97.6	100.3	97.7	1924	228.1	93.9	214.3
1913	100.0	100.0	100.0	1925	237.9	93.0	222.3
1914	101.9	99.6	101.6	1926	250.3	92.8	233.4
1915	102.8	99.4	102.3	1927	259.5	92.4	240.8
1916	107.2	98.8	106.2	1928	260.6	91.9	240.6
1917	114.2	98.4	112.4	1929	262.1	91.5	240.7
1918	132.7	97.0	129.6				

Source: Bureau of Labor Statistics, Department of Labor.

No. 370.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 371. Data for the metal and millwork trades for 1924 and earlier years may be found in the 1928 and previous issues of this publication

[Rates and hours for 1913=100]

Year	Bakers		Building trades									
			Bricklayers		Building laborers		Carpenters		Cement finishers		Cement finishers' helpers	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	100.1	85.8	100.6	96.7	100.0	94.5	100.7	95.1	102.1	94.2	100.1	93.2
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	96.0	142.2	98.9	115.4	97.7	137.4	98.5	126.1	96.2	120.2	99.5	123.6
1920	89.9	264.0	98.7	174.7	94.8	225.9	98.5	194.8	95.0	182.9	99.2	225.9
1921	90.3	278.7	98.7	172.7	94.7	227.7	98.4	197.8	95.0	183.4	99.2	226.2
1923	90.2	276.0	98.6	191.1	94.7	218.1	98.8	204.0	95.0	191.2	99.2	223.4
1924	90.1	283.5	98.6	202.2	94.4	242.4	98.8	218.3	95.0	211.4	99.2	248.3
1925	89.7	293.4	98.5	213.4	94.5	231.6	98.8	222.8	94.7	212.6	99.2	260.8
1926	90.5	277.2	98.5	226.4	94.7	254.9	98.8	238.4	94.7	226.9	99.2	288.0
1927	90.2	286.8	98.1	231.9	94.9	255.8	98.8	246.7	94.4	236.8	99.2	294.1
1928	89.6	286.9	98.0	233.9	94.8	257.0	98.2	247.5	93.8	234.6	99.2	281.0
1929	89.4	293.4	95.5	239.7	94.7	258.2	98.2	252.0	93.9	234.6	(1)	(1)

Year	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910			101.2	97.2	100.8	95.9			100.5	92.5	101.3	92.6
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	96.8	123.8	98.6	136.6	97.3	127.0	99.0	119.1	99.5	107.9	97.7	129.4
1920	95.8	175.6	98.1	232.4	96.2	192.0	98.1	188.9	99.1	158.4	94.7	206.0
1921	96.3	178.2	98.0	237.8	96.2	201.9	98.1	192.1	99.2	160.6	94.7	212.8
1923	95.8	185.5	98.1	215.4	96.2	197.1	98.4	199.3	99.2	178.0	95.1	218.7
1924	95.6	197.2	98.0	224.9	96.2	220.5	98.2	215.1	99.2	186.1	95.0	230.5
1925	95.9	205.7	97.9	251.5	96.2	232.4	97.9	234.5	99.2	190.0	95.3	243.1
1926	96.1	217.2	98.0	273.8	96.1	244.6	97.6	240.6	99.2	212.3	94.9	257.5
1927	97.7	224.2	98.0	280.4	96.2	254.9	97.2	250.3	99.1	217.0	94.5	266.2
1928	96.6	233.5	98.0	280.7	95.7	257.2	96.7	251.0	99.1	218.0	92.0	270.8
1929	96.9	232.5	92.7	293.0	93.4	268.2	96.2	249.0	99.1	233.4	91.8	270.2

[1] Data not available.

No. 370.—Index Numbers of Union Hours of Labor per Week and Rates of Wages per Hour, by Occupations—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades—Continued											
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam fitters		Stonemasons	
1910	100.6	96.6	100.6	96.4	101.1	90.9	101.7	91.0	101.3	91.9	100.8	94.7
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	98.0	113.5	99.0	129.3	98.2	117.5	98.2	130.6	97.4	120.6	99.6	120.4
1920	97.9	170.7	98.6	213.5	97.9	172.1	97.5	193.2	97.3	178.8	99.0	188.1
1921	97.5	180.5	98.3	219.1	97.8	181.1	97.1	202.3	97.0	171.3	99.2	193.0
1923	98.1	193.2	98.4	212.0	97.7	185.6	97.1	201.0	97.0	175.6	99.2	212.5
1924	98.2	216.1	98.3	227.8	97.7	202.4	97.1	221.7	97.0	201.5	98.9	225.2
1925	97.9	219.8	98.1	243.1	97.7	206.6	97.1	229.3	97.0	212.2	98.9	229.5
1926	95.1	236.1	94.9	257.2	97.7	222.7	97.1	244.8	96.9	220.7	99.1	253.1
1927	94.7	241.0	94.9	259.7	97.6	227.2	96.8	252.2	96.8	236.2	98.9	256.0
1928	93.9	241.6	95.1	264.1	97.5	232.1	91.5	247.4	96.8	239.5	98.8	259.3
1929	93.0	238.6	95.0	265.0	96.7	233.8	90.4	256.9	96.3	241.0	95.9	266.6
	Building trades—Cont.											
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshoremen		Granite cutters	
1910	101.7	92.7									101.8	93.7
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	98.9	126.5	98.8	110.8	94.0	130.9	96.6	133.2	93.3	149.0	100.2	130.1
1920	98.7	179.4	98.2	162.6	87.2	200.1	90.4	215.4	76.7	233.5	100.2	189.5
1921	98.7	184.0	98.3	161.9	87.5	202.5	88.2	223.0	76.6	236.8	100.1	209.0
1923	98.8	178.4	98.4	174.0	88.6	197.7	89.3	224.9	81.8	209.2	99.8	212.7
1924	98.7	202.5	98.4	197.5	89.1	205.6	89.5	244.7	81.8	238.5	100.2	214.2
1925	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.5	239.9	100.2	216.8
1926	98.7	218.5	98.4	212.0	85.1	226.3	89.0	256.6	76.7	242.0	100.0	244.1
1927	98.7	235.5	98.3	221.9	83.8	242.1	88.3	269.1	75.7	236.7	100.2	242.6
1928	98.7	235.7	98.0	221.8	84.0	243.2	88.2	277.1	75.6	248.6	100.2	245.3
1929	98.2	236.0	97.8	224.2	82.7	244.2	87.5	279.8	75.7	250.1	100.0	249.8
	Printing and publishing: Book and job											
	Bookbinders		Compositors		Electrotypers		Machine operators		Press assistants and feeders		Pressmen, cylinder	
1910	100.3	95.1	100.1	94.1	100.8	91.5	100.3	93.9	100.2	92.4	100.0	95.4
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	100.0	121.6	100.0	118.6	99.6	119.1	100.1	112.5	100.0	128.8	100.0	117.2
1920	100.0	204.0	100.0	190.6	99.5	195.5	100.1	174.6	99.9	227.7	100.0	184.5
1921	94.7	220.1	94.3	219.6	96.5	223.1	93.9	200.6	94.2	245.8	94.5	205.5
1923	93.4	224.0	91.4	228.5	95.9	241.6	92.2	203.8	92.5	266.2	93.0	210.7
1924	93.1	233.9	91.7	238.5	95.7	250.6	91.8	212.9	92.7	263.8	93.1	223.1
1925	93.3	236.6	91.7	237.4	96.6	249.7	92.2	211.7	92.4	278.8	92.6	225.9
1926	93.2	240.8	91.7	242.1	96.6	252.2	92.0	215.2	92.3	281.0	92.4	230.5
1927	93.0	246.0	91.7	246.6	96.6	255.2	92.2	223.0	92.2	285.3	92.4	230.9
1928	93.6	244.8	91.7	250.1	96.6	257.1	92.0	224.6	92.2	287.0	92.3	232.7
1929	93.0	247.5	91.7	251.5	96.3	263.2	92.0	228.0	92.1	289.7	92.3	236.8
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910	99.8	94.9	100.4	92.7	100.5	94.8			100.3	96.5	100.5	92.1
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1918	100.0	120.4	99.6	110.0	99.3	110.1	99.7	108.1	99.9	113.1	99.8	109.4
1920	99.9	200.4	99.9	160.7	99.5	167.5	99.8	171.7	101.1	169.5	99.9	149.8
1921	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	98.1	173.9
1923	92.9	235.8	100.6	177.9	100.3	183.1	100.5	180.9	102.3	182.4	99.9	174.9
1924	93.1	242.9	99.7	189.0	99.1	193.4	99.9	191.5	100.5	193.4	99.8	180.4
1925	93.1	244.3	99.4	193.7	99.0	198.0	100.3	185.3	100.0	208.2	99.6	184.5
1926	92.3	255.8	99.3	196.7	98.9	201.6	100.2	185.2	100.3	212.2	99.6	188.1
1927	92.3	258.3	99.3	201.8	98.5	208.9	100.1	194.5	99.9	223.3	99.1	191.0
1928	92.5	253.9	98.9	206.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0
1929	92.6	257.8	98.4	211.3	98.3	217.4	99.6	201.7	99.8	228.1	98.5	200.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 371.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 370

Occupation	1923	1928	1929
	Dolls.	*Dolls.*	*Dolls.*
Grand average, all trades herein covered [1]	0.966	1.195	1.204
Bakers	.921	.954	.979
BUILDING TRADES			
Asbestos workers	1.005	1.317	1.378
Bricklayers	1.321	1.617	1.657
Sewer, tunnel, and caisson	1.534	2.059	1.917
Building laborers	.723	.858	.862
Carpenters	1.084	1.315	1.339
Millwrights	1.164	1.292	1.244
Parquetry-floor layers	1.262	1.342	1.375
Wharf and bridge	.994	1.304	1.293
Cement finishers	1.113	1.366	1.366
Cement finishers' helpers	.805	1.016	(2)
Composition roofers	.977	1.333	1.358
Composition roofers' helpers	.695	.803	.795
Elevator constructors	1.115	1.447	1.450
Elevator constructors' helpers	.806	1.052	1.043
Engineers, portable and hoisting	1.141	1.436	1.430
Glaziers	1.041	1.337	1.358
Hod carriers	.788	1.027	1.072
Inside wiremen	1.079	1.408	1.468
Fixture hangers	1.065	1.222	1.253
Lathers:			
Piecework	[3]7.720	[3]9.457	[3]9.717
Timework	1.188	1.406	1.484
Marble setters	1.188	1.455	1.558
Marble setters' helpers	.873	1.001	1.061
Mosaic and terrazzo workers	.978	1.351	1.417
Painters:			
Building	1.108	1.372	1.369
Fresco	1.125	1.235	1.263
Sign	1.330	1.668	1.583
Plasterers	1.306	1.632	1.612
Plasterers' laborers	.872	1.086	1.090
Plumbers and gas fitters	1.151	1.439	1.460
Plumbers' laborers	.879	.965	1.043
Sheet-metal workers	1.065	1.305	1.355
Ship carpenters	.935	.900	1.111
Slate and tile roofers	1.224	1.538	1.554
Steam and sprinkler fitters	1.052	1.435	1.444
Steam and sprinkler fitters' helpers	.751	.967	.954
Stonemasons	1.297	1.583	1.627
Structural-iron workers	1.109	1.405	1.467
Finishers	1.086	1.431	1.492
Finishers' helpers	.838	(2)	(2)
Tile layers	1.140	1.453	1.469
Tile layers' helpers	.798	.999	.984
Average building trades	1.068	1.330	1.352

Occupation	1923	1928	1929
	Dolls.	*Dolls.*	*Dolls.*
PRINTING AND PUBLISHING: BOOK AND JOB			
Bindery women	0.507	0.525	0.529
Bookbinders	.907	.991	1.002
Compositors	1.024	1.121	1.127
Electrotypers	1.158	1.232	1.261
Machine operators:			
Piecework	[4]1.150	(2)	[4]1.153
Timework	1.062	1.170	1.188
Machine tenders (machinists)	1.088	1.178	1.196
Machinist operators	1.028	1.069	1.125
Photo-engravers	1.043	1.312	1.331
Press assistants and feeders	.781	.842	.850
Pressmen:			
Cylinder	1.052	1.130	1.150
Platen	.859	.925	.939
Average, printing and publishing, book and job	.926	1.036	1.049
PRINTING AND PUBLISHING: NEWSPAPER			
Compositors:			
Daywork	1.013	1.176	1.203
Nightwork	1.151	1.311	1.326
Machine operators, daywork:			
Piecework	[4]1.139	[4]1.154	[4]1.138
Timework	1.031	1.204	1.224
Machine operators, nightwork:			
Piecework	[4]1.160	[4]1.154	[4]1.147
Timework	1.130	1.326	1.336
Machine tenders (machinists):			
Daywork	1.064	1.167	1.186
Nightwork	1.179	1.300	1.340
Machinist operators:			
Daywork	1.007	1.082	1.048
Nightwork	1.040	1.210	1.189
Photo-engravers:			
Daywork	1.085	1.337	1.346
Nightwork	1.289	1.577	1.596
Pressmen, web presses:			
Daywork	.871	1.074	1.089
Nightwork	.987	1.255	1.257
Stereotypers:			
Daywork	.922	1.007	1.055
Nightwork	1.082	1.142	1.201
Average, printing and publishing, newspaper	1.047	1.220	1.241
MISCELLANEOUS			
Chauffeurs	.574	.706	.709
Teamsters and drivers	.590	.727	.734
Longshoremen	.722	.858	.863
Granite cutters	1.089	1.256	1.279
Stonecutters	1.151	1.406	1.472
Laundry workers	.414	.447	.458
Linemen	.898	1.007	1.019

[1] Except piecework. [2] No data. [3] Per 1,000 laths. [4] Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.

16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

No. 372.—UNITED STATES POSTAL SERVICE, 1800 TO 1929

Year ended June 30—	Number of post offices	Mileage of post routes [1]	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions [4]
			Gross revenue	Gross expenditure	Surplus (+) or deficit (−) [2]		Domestic [3]	International [3]		
1800	903	20,817	281	214	+67					
1810	2,300	36,406	552	496	+56					
1820	4,500	72,492	1,112	1,161	−49					
1830	8,450	115,176	1,851	1,933	−82					
1840	13,468	155,739	4,544	4,718	−175	0.27				
1850	18,417	178,672	5,500	5,213	+287	.20			[5] 2	
1860	28,498	240,594	8,518	19,171	−10,653	.27			216	
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360		387	
1870	28,492	231,232	18,880	23,999	−5,098	.49	34,064	[7] 22	468	
1875	35,547	277,373	26,791	33,611	−6,820	.61	77,431	1,965	682	
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	
1890	62,401	427,990	60,882	66,260	−5,401	.97	114,363	13,230	2,220	4,005
1892	67,119	447,591	70,930	76,981	−6,111	1.09	120,067	15,120	2,543	4,777
1893	68,403	453,833	75,897	81,582	−5,717	1.14	127,576	16,342	2,750	5,022
1894	69,805	454,746	75,080	84,994	−9,978	1.11	138,794	13,792	2,602	4,919
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1896	70,360	463,313	82,499	90,983	−8,444	1.17	172,101	13,853	3,025	5,694
1897	71,022	470,032	82,665	94,077	−11,432	1.15	174,483	13,588	3,064	5,781
1898	73,570	480,461	89,013	98,034	−9,055	1.22	191,354	13,240	3,418	6,214
1899	75,000	496,948	95,021	101,632	−6,630	1.28	211,214	13,745	3,693	6,576
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1901	76,945	511,808	111,631	115,555	−3,982	1.43	274,546	20,073	4,239	7,424
1902	75,924	507,540	121,848	124,786	−2,961	1.53	313,551	22,974	4,621	8,085
1903	74,169	506,268	134,224	138,784	−4,587	1.66	353,628	35,238	5,271	8,887
1904	71,131	496,818	143,583	152,362	−8,813	1.74	378,778	42,550	5,331	9,502
1905	68,131	486,805	162,827	167,399	−14,594	1.81	396,903	47,516	5,751	10,188
1906	65,600	478,711	167,933	178,450	−10,543	1.96	444,516	63,048	6,284	11,361
1907	62,658	463,406	183,585	190,238	−6,692	2.11	479,650	84,081	7,061	12,250
1908	61,158	450,738	191,479	208,352	−16,910	2.15	498,700	88,972	7,651	13,364
1909	60,144	448,618	203,562	221,004	−17,480	2.24	491,075	76,755	8,732	14,005
1910	59,580	447,998	224,120	229,977	−5,881	2.43	547,994	90,743	9,067	14,850
1911	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046	16,901
1912	58,729	436,469	246,744	248,525	−1,786	2.58	583,337	97,660	9,929	17,589
1913	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112	
1915	56,380	433,334	287,248	298,546	−11,333	2.85	656,139	60,772	11,226	
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	
1918 [8]	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 [8]	53,084	455,498	436,239	362,498	+73,735	4.11	1,100,613	39,766	15,020	
1920	52,041	435,342	437,150	454,323	−17,270	4.10	1,332,700	32,960	13,213	
1921	52,168	434,349	463,491	620,994	−157,518	4.28	1,305,370	24,399	13,870	
1922	51,950	454,991	484,854	545,644	−60,815	4.41	1,295,327	20,651	14,262	
1923	51,613	460,171	532,828	556,851	−24,065	4.78	1,376,461	34,119	15,478	22,821
1924	51,266	467,896	572,949	587,377	−14,464	5.08	1,510,705	50,615	15,954	24,358
1925	50,957	464,269	599,591	639,282	−39,745	5.28	1,532,567	52,650	17,387	25,835
1926	50,601	470,779	659,820	679,704	−19,972	5.63	1,590,488	63,172	16,333	25,484
1927	50,266	478,662	683,122	714,577	−31,506	5.76	1,647,580	68,952	16,000	26,687
1928	49,944	487,778	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	500,518	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952

[1] Not counting rural free delivery routes.

[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

[3] International includes foreign countries on domestic basis. For explanation see headnote Table 374.

[4] Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.

[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.

[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

[8] Gross revenues of department for 1918 and 1919 include $44,500,000 and $71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.

No. 373.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1926	1927	1928	1929
Total	224, 129	287, 248	437, 150	598, 591	659, 820	683, 122	693, 634	696, 948
Ordinary postal revenue	219, 339	279, 460	424, 406	585, 333	641, 658	664, 603	675, 043	676, 651
Stamps, postal cards, etc.[1]	202, 065	256, 037	379, 587	507, 572	552, 625	568, 512	576, 199	575, 407
Second-class postage paid in money (pound rates)[1]	8, 174	10, 468	25, 100	29, 619	31, 986	32, 884	32, 651	27, 825
Other postage paid in money under permit	4, 418	7, 527	12, 960	39, 301	47, 839	53, 503	55, 986	63, 729
Box rents	4, 139	4, 981	6, 145	7, 817	8, 078	8, 369	8, 461	8, 518
Miscellaneous	542	448	614	1, 024	1, 229	1, 335	1, 746	1, 172
Money-order revenues	4, 790	7, 175	10, 314	12, 909	16, 715	16, 985	17, 021	17, 420
Revenue from postal savings		612	2, 430	1, 349	1, 446	1, 534	1, 570	2, 877

[1] For volume of this item, see Table 378.

No. 374.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see Table 373. For value of orders issued for other years, see Table 372. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1926	1927	1928	1929
Number of money-order offices	51, 791	55, 670	54, 395	54, 269	55, 589	54, 616	54, 803	54, 357
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76, 918	105, 073	148, 491	197, 054	193, 410	194, 217	196, 287	199, 273
Amount (1,000 dollars)	547, 994	656, 139	1, 332, 700	1, 532, 567	1, 590, 486	1, 647, 580	1, 630, 157	1, 658, 443
Orders paid:								
Number (1,000)	76, 496	103, 884	147, 520	196, 038	193, 695	195, 041	196, 932	199, 205
Amount (1,000 dollars)	545, 632	652, 786	1, 333, 046	1, 531, 597	1, 590, 452	1, 647, 113	1, 629, 443	1, 657, 276
Excess of issues: [2]								
Number (1,000)	422	1, 190	971	1, 015	−285	−825	−644	68
Amount (1,000 dollars)	2, 362	1, 353	−346	970	34	468	714	1, 167
INTERNATIONAL[3, 4]								
Orders issued:								
Number (1,000)	4, 500	3, 055	1, 852	2, 966	3, 323	3, 734	3, 843	4, 017
Amount (1,000 dollars)	99, 743	60, 772	32, 960	52, 650	63, 172	68, 952	71, 520	76, 113
Orders paid:								
Number (1,000)	1, 956	2, 217	1, 508	1, 765	2, 026	1, 955	2, 129	2, 198
Amount (1,000 dollars)	27, 244	24, 743	25, 362	19, 765	22, 983	23, 886	26, 402	27, 477
Excess of issues:								
Number (1,000)	2, 544	837	343	1, 201	1, 297	1, 779	1, 714	1, 819
Amount (1,000 dollars)	72, 499	36, 029	7, 598	32, 886	40, 188	45, 066	45, 119	48, 635
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	965	990	1, 049	1, 063
Amount (1,000 dollars)	10, 184	9, 110	9, 568	16, 920	20, 019	19, 718	20, 323	22, 788
Paid in the United States:								
Number (1,000)	1, 566	1, 936	1, 246	1, 498	1, 691	1, 574	1, 753	1, 813
Amount (1,000 dollars)	17, 766	18, 386	17, 916	15, 118	17, 472	17, 723	19, 101	19, 911

[1] Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.
[2] Minus sign indicates excess of payments.
[3] Includes foreign countries on "domestic basis."
[4] International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.
[5] Included under "International" above.

Sources of Tables 373 and 374: Annual Reports of the Postmaster General.

No. 375.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** For total expenditures see Table 372. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1926	1927	1928	1929
Service in post offices (total)	107,771	139,937	234,102	338,046	371,127	392,141	402,210	421,226
Salaries of postmasters	27,514	30,400	40,108	47,562	49,807	50,741	50,626	53,177
Salaries of clerks, etc	38,045	53,317	102,319	153,336	172,323	182,778	187,824	197,459
City delivery service	31,805	42,668	63,626	95,161	107,134	114,795	118,856	123,936
All other expenditures	10,405	13,552	28,049	41,987	41,864	43,827	44,904	46,654
Railway Mail Service	19,389	28,408	38,711	52,906	56,236	58,051	58,681	61,368
Rural Delivery Service	37,074	49,806	75,794	93,163	101,690	104,445	105,014	105,904
Transportation of domestic mail	61,940	76,914	99,520	142,141	139,428	145,400	146,154	172,957
By railroads	49,405	59,576	70,714	99,720	95,320	99,350	98,935	117,500
By other means	12,535	17,338	28,805	42,421	44,108	46,050	47,219	55,457
Transportation foreign mail	3,204	3,273	5,012	9,175	7,385	10,534	9,624	16,663
Payment account of invalid money orders	600	208	284	138	136	127	146	149
Post Office Department [1]				3,712	3,701	3,880	3,871	4,077

[1] Paid out of the General Treasury prior to 1923.

No. 376.—TRANSPORTATION OF DOMESTIC MAILS

NOTE.—**Amounts, except as indicated, in thousands of dollars.** Since Nov. 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weighings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1925	1927	1928	1929
Steam railway service:							
Length of routes (miles)	220,730	233,676	232,358	230,470	228,092	226,965	223,810
Annual travel (thousand miles)—							
Regular space units	[1]426,923	[1]499,011	561,827	579,256	575,120	572,938	572,328
Prorated to 60-foot car basis			218,349	226,395	229,944	231,540	230,318
Annual expenditure—							
Regular authorizations	49,302	58,149	83,731	88,991	89,811	90,175	103,087
Annual cost			89,661	107,491	107,181	111,102	124,014
Average rate of cost—							
Per mile of length (dollars)	223.36	248.84	360.35	386.12	392.20	397.30	460.60
Per unit mile traveled (cents)	[1]11.55	[1]11.65	14.90	15.36	15.61	15.73	18.01
Per 60-foot car mile (cents)			38.34	39.31	39.13	38.97	45.75
Railway mail employees—							
Number of employees	16,795	19,599	20,407	20,693	20,550	20,854	21,229
Expenditure for salary	19,047	21,205	35,644	48,913	52,994	53,559	56,145
Electric railway service:							
Number of routes	539	569	543	288	262	254	240
Length of routes (miles)	7,198	8,183	8,043	8,042	8,029	7,875	7,566
Annual travel of space units (thousand miles)	[1]11,630	[1]13,948	[1]11,752	10,487	10,510	10,211	10,257
Annual rate of expenditure	674	819	471	566	662	642	644
Average cost per unit mile traveled (cents)	[1]5.79	[1]5.87	[1]4.01	5.39	6.29	6.28	6.28
Power boat service:							
Number of routes	217	260	266	284	275	280	263
Length of routes (miles)	27,256	32,402	34,642	49,791	45,625	41,206	39,044
Annual travel (thousand miles)	4,826	5,685	3,992	5,298	4,908	5,212	4,782
Annual rate of expenditure	705	990	[2]773	1,492	1,318	1,361	1,362
Average cost per mile traveled (cents)	14.61	17.42	19.36	28.16	26.84	26.10	28.48
Air mail service: [3]							
Length of routes (miles)		[4]218	3,094	2,665	7,382	10,932	14,406
Mileage scheduled (thousands)		[4]18	654	2,160	5,575	6,000	11,033
Miles traveled with mail (thousands)		[4]16	549	2,077	5,135	5,585	10,213
Mail carried [5] (thousand pounds)		[4]18	527	233	1,033	1,862	5,636
Cost of service		[4]14	1,264	2,744	3,619	4,043	11,169

[1] Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.
[2] Exclusive of freight and express service to Alaska or New York Harbor service.
[3] All air mail service was Government-operated prior to 1926. In 1926 contract service was inaugurated. Government service was discontinued in 1927. All data represent total service.
[4] 1918 data.
[5] Beginning 1925, only specially paid air mail was carried.

Sources of Tables 375 and 376: Annual Reports of the Postmaster General.

No. 377.—CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Data in all cases relate to contracts or organization at June 30 and do not represent actual mileage traveled or expenditure during previous fiscal year. Star route service in Alaska is not included in the accompanying table, data for 1929 being as follows: Number of routes, 62; length, 10,896 miles; annual travel, 309,136 miles; annual rate of expenditure, $144,024

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870	51	1,362	1,230	----	----	----	----	7,295	5,050
1880	104	2,628	2,364	----	----	----	----	9,863	7,321
1885	178	4,358	3,986	----	----	----	----	12,371	5,415
1890	454	9,066	7,976	----	----	----	----	15,887	5,321
1895	604	12,714	12,136	----	----	----	----	20,733	5,754
1900	796	15,322	14,512	1,259	28,685	----	420	22,834	5,083
1905	1,144	21,778	20,919	32,110	721,237	----	20,865	17,199	7,342
1910	1,492	28,715	31,684	41,079	993,068	303,007	36,915	13,425	6,928
1912	1,621	29,962	34,163	42,199	1,021,492	310,906	41,859	12,668	6,815
1913	1,675	30,023	36,601	42,805	1,038,076	315,781	45,643	12,432	6,905
1914	1,759	32,202	40,399	43,052	1,060,679	322,432	47,377	11,970	8,001
1915	1,808	32,902	42,458	43,866	1,067,674	325,305	52,566	11,557	8,713
1916	1,864	34,114	43,137	42,927	1,083,070	326,435	51,952	11,391	8,456
1917	1,948	34,592	48,048	43,464	1,112,556	336,303	52,420	11,208	8,383
1918	1,992	34,593	49,995	43,453	1,127,110	344,100	52,196	10,958	8,606
1919	2,018	35,024	59,527	43,210	1,143,467	346,066	65,448	10,773	10,055
1920	2,086	36,142	74,933	43,445	1,151,832	348,627	75,562	10,739	11,106
1921	2,161	38,532	87,830	43,672	1,163,806	352,533	83,034	10,664	12,390
1922	2,229	39,485	89,908	44,186	1,180,448	357,254	84,430	10,715	12,641
1923	2,277	40,134	93,804	44,439	1,190,534	360,256	86,172	10,802	12,610
1924	2,325	43,829	97,892	44,760	1,205,714	363,670	86,765	10,802	12,735
1925	2,401	46,251	110,357	45,189	1,227,654	370,273	102,945	10,906	12,774
1926	2,522	48,238	126,219	45,318	1,249,978	377,046	104,117	10,991	12,955
1927	2,812	50,117	132,005	44,730	1,270,746	383,851	104,447	11,215	12,906
1928	2,899	51,293	136,528	44,288	1,289,613	390,054	105,008	11,472	13,541
1929	2,970	52,719	142,762	43,840	1,316,420	398,444	106,202	11,695	13,969

No. 378.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS, YEARS ENDED JUNE 30

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 373

	1910	1915	1920	1925	1927	1928	1929
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,387	16,000	16,676	16,917
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,997	3,146	3,219	3,243
Postal cards issued (millions)	726	976	986	1,497	1,334	1,372	1,784
Pieces of mail carried [1] (millions)	14,850	----	----	25,835	26,687	26,837	27,952
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,195	74,565	74,545	74,712
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,297	1,473,637	1,476,274	1,518,811
Foreign mails dispatched by sea:							
Letters (1,000 pounds)	[2] 3,142	3,401	4,608	5,640	6,131	6,574	6,859
Other articles (1,000 pounds)	[2] 17,832	22,848	66,725	66,229	70,731	76,045	80,496
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	65,252	66,941	71,814
International, paid (1,000 pieces)	4,782	4,325	11,300	10,993	9,334	8,721	9,252
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	7,943	8,133	8,453
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	11,245	11,408	12,319
Mail insured:							
Domestic, parcel post (1,000 pieces)	----	18,012	95,385	152,078	133,210	131,764	130,664
International (1,000 pieces)	----	----	----	603	647	659	695
Total fees paid (1,000 dollars)	----	941	5,416	8,061	9,316	9,159	9,111
Mail sent C. O. D.:							
Total pieces sent (1,000)	----	4,721	20,098	52,362	49,897	49,367	49,652
Total fees (1,000 dollars)	----	472	2,070	5,562	6,312	6,225	6,257

[1] Data are for continental United States and are estimates in 1910 and 1925. No estimates made in 1915 and 1920.

[2] Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.

Source of Tables 377 and 378: Annual Reports of the Postmaster General.

No. 379.—GROSS RECEIPTS, COST OF CITY DELIVERY SERVICE AND OF CLERK HIRE AT THE LARGER POST OFFICES: YEARS ENDED JUNE 30

Post office	Gross receipts (1,000 dollars)				Cost of city delivery, 1929		Cost of clerk hire, 1929	
	1920	1925	1928	1929	Amount (1,000 dollars)	Per cent to receipts	Amount (1,000 dollars)	Per cent to receipts
Total (55 post offices)	**237,410**	**332,746**	**386,556**	**387,271**	**75,106**	**19.40**	**106,447**	**27.49**
New York, N. Y.	49,612	65,523	77,160	78,708	10,363	13.17	24,897	31.63
Chicago, Ill.	41,000	56,359	61,855	61,674	8,840	14.34	16,388	26.57
Philadelphia, Pa.	14,695	17,777	20,103	19,176	4,255	22.19	5,189	27.06
Boston, Mass.	11,124	14,769	17,269	18,002	5,107	28.70	6,056	33.64
St. Louis, Mo.	8,235	12,099	12,962	12,624	2,285	18.10	3,354	26.57
Detroit, Mich.	5,567	8,467	11,086	11,801	2,955	25.04	3,373	28.58
Kansas City, Mo.	6,036	9,424	10,005	10,472	1,249	11.92	1,966	18.77
Los Angeles, Calif.	3,583	8,065	10,012	10,405	2,710	26.04	2,725	26.19
Cleveland, Ohio	6,028	8,055	9,382	9,001	2,259	22.82	2,376	24.00
San Francisco, Calif.	5,072	7,763	9,003	9,027	1,541	17.07	2,446	27.10
Brooklyn, N. Y.	5,466	7,412	9,278	9,023	4,148	45.98	3,372	37.37
Pittsburgh, Pa.	4,976	6,826	7,636	7,549	1,857	24.60	1,920	25.43
Cincinnati, Ohio	4,314	6,710	7,542	7,350	1,302	17.71	1,764	24.00
Minneapolis, Minn.	4,083	6,133	6,464	7,092	1,231	17.36	1,571	22.15
Baltimore, Md.	4,052	5,427	6,871	6,803	1,728	25.40	1,966	28.90
Washington, D. C.	3,536	4,770	5,860	5,881	1,371	23.31	2,387	40.59
Milwaukee, Wis.	2,893	4,712	5,805	5,570	1,211	21.74	1,149	20.63
Buffalo, N. Y.	3,325	4,633	4,762	4,752	1,488	31.33	1,356	28.53
Indianapolis, Ind.	2,593	4,280	4,791	4,670	896	19.19	1,235	26.45
Newark, N. J.	2,110	3,520	4,420	4,594	1,091	23.75	1,046	22.78
Atlanta, Ga.	2,748	3,470	4,525	4,542	593	13.06	976	21.48
St. Paul, Minn.	2,384	4,258	4,549	4,280	748	17.47	916	21.40
Dallas, Tex.	2,301	3,217	3,880	4,062	560	13.78	840	20.69
Denver, Colo.	2,356	3,281	3,732	3,803	749	19.71	770	20.41
Seattle, Wash.	2,232	2,908	3,463	3,601	853	23.70	974	27.05
Des Moines, Iowa	1,992	2,875	3,327	3,232	354	10.94	541	16.75
Portland, Oreg.	1,788	2,776	3,110	3,042	777	25.53	805	26.47
Omaha, Nebr.	2,312	2,846	3,037	3,021	635	21.01	789	26.11
Columbus, Ohio	1,721	2,641	3,054	2,974	577	19.40	652	21.91
Rochester, N. Y.	1,830	2,623	2,995	2,959	683	23.09	778	26.30
Louisville, Ky.	1,705	2,619	2,999	2,876	601	20.88	759	26.38
New Orleans, La.	1,909	2,651	2,801	2,740	653	23.85	880	32.12
Memphis, Tenn.	1,361	1,880	2,629	2,591	488	18.84	638	24.63
Toledo, Ohio	1,531	2,021	2,391	2,441	576	23.58	550	22.52
Providence, R. I.	1,356	1,860	2,206	2,314	655	28.30	601	25.97
Dayton, Ohio	981	1,803	2,348	2,284	387	16.95	484	21.19
Hartford, Conn.	1,271	1,782	2,253	2,279	385	16.90	528	23.18
Houston, Tex.	1,252	1,579	2,064	2,130	442	20.78	533	25.03
Richmond, Va.	1,376	1,966	2,252	2,104	460	21.87	580	27.56
Oakland, Calif.	702	1,517	1,985	2,046	683	33.36	571	27.91
Akron, Ohio	1,191	1,275	1,846	1,871	418	22.36	408	21.80
Nashville, Tenn.	1,211	1,645	1,843	1,859	324	17.43	477	25.65
Syracuse, N. Y.	1,145	1,493	1,744	1,794	444	24.74	461	25.71
New Haven, Conn.	1,012	1,495	1,737	1,789	392	21.91	473	26.43
Albany, N. Y.	859	1,459	1,827	1,741	284	16.30	351	20.16
Oklahoma City, Okla.	982	1,371	1,637	1,689	256	15.16	394	23.30
Birmingham, Ala.	853	1,319	1,754	1,679	416	24.78	464	27.63
Grand Rapids, Mich.	903	1,417	1,685	1,646	373	22.64	313	19.01
Jersey City, N. J.	935	1,227	1,495	1,467	438	29.87	393	26.81
Springfield, Mass.	885	1,204	1,378	1,413	357	25.29	373	26.40
Salt Lake City, Utah	904	1,257	1,403	1,384	346	24.99	390	28.17
Worcester, Mass.	833	1,067	1,247	1,214	366	30.16	332	27.36
Spokane, Wash.	799	1,033	1,171	1,154	270	23.41	273	23.64
Scranton, Pa.	723	1,070	1,415	1,147	349	30.47	316	27.54
Jacksonville, Fla.	670	962	1,110	1,028	260	25.31	322	31.30

Source: Reports of the Postmaster General.

No. 380.—POSTAL SERVICE: BY STATES AND OUTLYING AREAS

Division and State	Number of post offices, June 30, 1929	Mileage of rural free-delivery routes, June 30, 1929	Gross postal receipts [1]					
			1920	1925	1926	1927	1928	1929
			In thousands of dollars for years ended June 30					
Grand total	49,482	1,316,420	424,525	584,755	640,932	663,669	673,954	675,929
United States proper	49,114	1,316,366	423,463	583,427	639,532	662,216	672,445	674,281
New England	2,636	42,216	32,276	43,498	47,346	49,092	49,703	50,709
Maine	815	12,009	2,866	3,946	4,035	3,975	3,938	3,866
New Hampshire	376	6,161	1,504	2,035	2,239	2,292	2,323	2,271
Vermont	385	8,168	1,220	1,540	1,640	1,685	1,688	1,701
Massachusetts	643	7,844	18,913	25,064	27,193	28,536	28,669	29,414
Rhode Island	92	1,207	2,029	2,702	3,188	3,027	3,169	3,278
Connecticut	325	6,827	5,744	8,211	9,051	9,577	9,916	10,178
Middle Atlantic	5,707	112,390	117,897	161,532	178,029	185,028	190,060	190,406
New York	2,202	48,651	74,772	102,514	112,641	116,973	120,963	122,475
New Jersey	662	8,512	9,512	14,655	16,403	17,468	18,475	18,974
Pennsylvania	2,843	55,227	33,613	44,363	48,985	50,587	50,622	48,957
East North Central	6,390	297,812	107,343	151,924	166,548	172,066	174,274	174,502
Ohio	1,531	67,014	24,800	35,417	39,051	40,576	41,142	41,035
Indiana	1,028	58,144	9,220	13,774	14,976	15,554	15,755	15,625
Illinois	1,607	72,010	51,357	70,753	76,423	78,227	78,761	78,610
Michigan	1,172	52,258	13,199	18,978	21,616	22,920	23,364	24,271
Wisconsin	1,052	48,386	8,761	13,002	14,480	14,789	15,252	14,961
West North Central	7,370	322,798	53,971	73,365	78,861	80,794	80,297	79,905
Minnesota	1,201	52,317	10,847	15,836	16,923	16,844	17,063	17,306
Iowa	1,222	62,884	9,392	11,720	12,712	13,116	13,141	13,024
Missouri	1,752	59,773	18,624	27,230	29,652	30,785	29,896	29,141
North Dakota	683	28,478	2,062	2,360	2,534	2,582	2,668	2,756
South Dakota	834	24,221	2,066	2,539	2,736	2,775	2,783	2,816
Nebraska	845	36,215	5,504	6,663	6,932	7,101	7,180	7,188
Kansas	1,033	58,910	5,476	7,017	7,372	7,591	7,566	7,674
South Atlantic	8,794	182,452	34,415	46,072	52,971	53,726	53,227	52,224
Delaware	90	2,080	811	999	1,086	1,145	1,208	1,211
Maryland	668	11,215	5,292	7,101	8,512	8,802	8,695	8,658
District of Columbia	1	206	3,536	4,771	5,315	5,731	5,861	5,883
Virginia	2,172	28,578	5,621	7,236	7,810	7,941	8,070	7,901
West Virginia	1,857	11,015	3,154	4,395	4,639	4,830	4,781	4,645
North Carolina	1,453	39,287	4,138	5,814	6,272	6,454	6,503	6,504
South Carolina	658	25,206	2,289	2,530	2,669	2,626	2,652	2,595
Georgia	1,070	51,437	6,395	7,734	8,263	9,010	9,079	9,047
Florida	825	12,527	3,179	5,492	8,405	7,187	6,228	5,780
East South Central	5,577	134,925	15,546	20,576	22,371	22,916	23,927	23,500
Kentucky	2,670	24,830	4,392	6,283	6,723	7,018	7,088	6,827
Tennessee	978	42,948	5,289	7,107	7,724	7,835	8,441	8,388
Alabama	1,058	35,055	3,418	4,385	4,839	4,944	5,182	5,084
Mississippi	871	32,092	2,447	2,801	3,085	3,119	3,216	3,201
West South Central	5,569	148,749	24,678	30,646	33,539	35,150	35,787	36,490
Arkansas	1,339	22,942	2,928	3,585	3,838	3,888	3,837	3,841
Louisiana	927	12,238	4,015	5,055	5,438	5,412	5,445	5,407
Oklahoma	1,072	41,569	4,730	5,889	6,397	6,733	6,820	7,018
Texas	2,231	70,000	13,005	16,117	17,866	19,117	19,685	20,224
Mountain	3,835	34,915	12,178	15,004	15,776	16,259	16,551	16,906
Montana	829	6,674	2,016	2,180	2,236	2,303	2,397	2,507
Idaho	492	6,464	1,397	1,324	1,397	1,451	1,484	1,494
Wyoming	396	1,164	712	953	974	983	979	1,006
Colorado	743	14,775	4,398	5,878	6,222	6,425	6,497	6,516
New Mexico	551	2,610	679	900	948	991	1,012	1,056
Arizona	304	1,372	943	1,137	1,216	1,286	1,336	1,444
Utah	349	1,701	1,647	2,179	2,304	2,312	2,359	2,367
Nevada	171	155	386	453	479	508	487	516
Pacific	3,236	42,109	25,158	40,812	44,094	47,182	48,617	49,616
Washington	882	13,730	5,636	7,494	8,011	8,368	8,492	8,674
Oregon	769	9,134	3,324	4,809	5,172	5,337	5,361	5,308
California	1,585	19,245	16,198	28,509	30,911	33,477	34,764	35,634
Outlying offices	368	54	[2] 1,062	1,328	1,401	1,453	1,503	1,668
Alaska	175		82	71	78	81	90	88
Guam	1		1	2	2	2	2	3
Hawaii	92	54	352	611	634	645	710	745
Porto Rico	94		406	522	537	537	539	536
Samoa (Tutuila)	1		2	2	2	(3)	(3)	(3)
Virgin Islands	5		17	11	12	12	13	12
Philatelic agency				109	136	176	154	284

[1] Revenues from money-order business, postal-savings, and certain miscellaneous items not included.
[2] Includes receipts from agencies in China, France, and Siberia.
[3] Less than $500.

Source: Annual Reports of the Postmaster General.

No. 381.—MONEY ORDERS: BY STATES AND OUTLYING AREAS

NOTE.—Amounts in thousands of dollars for years ended June 30. "Domestic basis" money orders include those to or from "domestic basis" foreign countries. For explanation see headnote, Table 374

Division and State	Domestic basis money orders				International money orders			
	Issued		Paid		Issued		Paid	
	1928	1929	1928	1929	1928	1929	1928	1929
Grand total	1,650,480	1,681,231	1,648,544	1,677,187	51,198	53,314	7,301	7,567
United States proper	1,635,468	1,666,071	1,641,740	1,670,536	50,667	52,805	7,280	7,543
New England	137,048	138,917	116,179	125,103	4,989	5,208	597	665
Maine	15,631	15,591	9,256	9,665	145	132	20	35
New Hampshire	9,773	9,796	5,087	5,132	102	102	9	63
Vermont	7,067	7,998	3,916	3,929	52	56	17	10
Massachusetts	69,720	70,073	74,708	81,419	3,030	3,094	294	300
Rhode Island	9,402	9,343	6,796	7,347	333	337	38	35
Connecticut	25,455	26,116	16,416	17,611	1,327	1,488	219	222
Middle Atlantic	395,472	401,042	436,074	431,837	24,066	25,547	3,296	3,416
New York	218,884	227,227	267,465	267,782	16,350	17,746	2,086	2,179
New Jersey	53,525	54,609	36,418	38,674	3,856	4,051	412	416
Pennsylvania	123,063	119,206	131,191	125,381	3,851	3,750	798	821
East North Central	337,681	355,052	456,809	463,741	9,347	10,219	1,523	1,524
Ohio	78,449	81,412	91,808	93,908	1,564	1,591	314	346
Indiana	34,714	36,030	42,079	42,149	684	691	129	94
Illinois	100,195	104,676	242,545	238,857	4,199	4,424	694	670
Michigan	79,002	85,929	52,038	58,007	2,008	2,535	256	245
Wisconsin	45,321	47,005	28,339	30,760	892	978	130	169
West North Central	163,775	167,579	151,214	188,025	1,847	1,725	386	419
Minnesota	36,003	36,676	51,130	56,463	444	445	102	113
Iowa	29,860	30,582	21,762	22,923	220	201	53	70
Missouri	34,430	35,255	74,712	73,952	466	444	121	124
North Dakota	15,123	15,023	5,108	5,414	65	77	21	20
South Dakota	14,470	13,806	5,876	5,572	72	61	14	18
Nebraska	15,251	15,751	11,962	12,536	164	166	52	48
Kansas	18,638	19,886	10,664	11,165	416	331	23	26
South Atlantic	175,053	172,707	148,074	145,845	1,068	1,070	320	354
Delaware	2,920	2,966	1,349	1,364	65	68	14	21
Maryland	17,575	17,924	29,687	28,798	243	249	41	32
District of Columbia	8,446	8,922	19,438	17,476	225	227	152	180
Virginia	22,733	22,518	15,995	16,556	104	103	11	13
West Virginia	27,606	25,441	10,101	10,547	75	80	50	47
North Carolina	23,962	23,658	13,325	13,025	65	52	6	7
South Carolina	14,841	15,058	7,780	8,622	29	32	3	4
Georgia	26,663	26,073	31,359	31,602	55	56	7	8
Florida	30,307	30,147	17,040	17,855	207	203	36	42
East South Central	76,501	74,003	48,175	50,009	178	195	29	27
Kentucky	19,155	18,209	10,760	10,555	59	62	11	10
Tennessee	17,658	17,892	21,731	23,235	47	81	6	7
Alabama	21,022	19,698	10,172	10,302	61	41	10	7
Mississippi	18,666	18,204	5,512	5,917	11	11	2	3
West South Central	128,992	132,485	82,613	85,905	1,502	1,440	241	236
Arkansas	18,344	18,439	9,181	9,453	16	18	5	5
Louisiana	20,476	19,950	13,103	13,027	117	115	15	20
Oklahoma	28,707	29,451	14,276	15,277	157	118	12	10
Texas	61,465	64,645	46,053	48,148	1,213	1,189	209	201
Mountain	80,850	81,545	47,206	49,053	1,555	1,640	158	166
Montana	17,087	16,902	7,088	7,431	231	254	27	24
Idaho	9,410	9,236	3,249	3,368	92	91	11	12
Wyoming	8,026	7,919	2,101	2,080	114	114	6	13
Colorado	16,967	16,587	16,293	17,520	318	307	57	61
New Mexico	8,390	8,652	3,065	3,104	134	119	6	7
Arizona	9,398	10,394	4,159	4,505	333	377	27	24
Utah	7,781	7,861	9,779	9,041	231	281	21	23
Nevada	3,791	3,944	1,382	1,404	102	97	3	2
Pacific	140,098	142,740	126,395	131,019	6,112	5,761	725	738
Washington	31,233	31,098	27,468	27,119	822	815	101	94
Oregon	17,167	17,217	16,983	16,862	377	362	40	40
California	91,698	94,428	83,944	87,038	4,913	4,584	584	604
Outlying offices	15,011	15,161	6,805	6,651	530	509	21	23
Alaska	3,006	2,949	596	563	90	99	1	3
Guam	64	72	4	4	5	3	(1)	(1)
Hawaii	6,753	7,367	1,853	1,849	395	367	17	17
Porto Rico	4,680	4,224	4,271	4,107	17	20	1	1
Samoa (Tutuila)	24	52	3	5	17	14	1	1
Virgin Islands	484	497	108	123	6	6	1	1

[1] Less than $500.

Source: Annual Reports of the Postmaster General.

17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in continental United States and commercial cable systems operated by companies incorporated in United States]

No. 382.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of $5,000 or more previous to 1922 and $10,000 or more in 1922 and 1927

[All money figures in thousands of dollars]

	1902 [1]	1907	1912	1917	1922	1927
ALL SYSTEMS						
Number of systems and lines	9,136	22,971	32,233	53,234	57,253	60,148
Miles of wire (thousands)	4,900	12,999	20,248	28,827	37,266	63,835
Number of telephones (thousands)	2,371	6,119	8,730	11,717	14,347	18,523
Number of calls originating with systems reporting (millions)	[2]	[2]	[2]	21,846	24,648	31,614
Number of employees	[2]	[2]	[2]	262,629	312,015	375,272
Salaries and wages	[2]	[2]	[2]	175,670	352,926	486,597
Revenue, operating [3]	[2]	[2]	[2]	363,832	665,568	1,023,574
Investment in plant and equipment	[2]	[2]	[2]	1,492,329	2,205,183	3,548,875
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1902–1917, AND THOSE REPORTING $10,000 OR MORE, 1922 AND 1927						
Number of systems and lines	4,151	1,636	1,916	2,200	1,323	1,368
Miles of wire, total (thousands)	4,850	11,922	19,019	27,298	35,503	62,377
Underground	[4]	[4]	9,165	14,849	21,440	39,893
Overhead	[4]	[4]	9,854	12,449	14,063	22,384
Exchange lines	[4]	[4]	16,336	23,723	30,907	54,281
Toll lines	[4]	[4]	2,683	3,575	4,596	7,996
Number of telephones (thousands)	2,315	4,907	7,327	9,954	12,295	16,713
Number of central offices	10,361	10,013	11,515	12,294	10,666	11,485
Number of private-branch exchanges	7,883	28,276	52,651	80,914	102,622	[5]
Number of calls originating with systems reporting (millions)	[6] 5,071	10,400	13,736	19,809	21,901	29,196
Local exchange	[6] 4,950	10,161	13,395	19,366	21,235	28,109
Long distance or toll	[6] 121	240	341	443	666	1,087
Number of employees	78,752	131,670	183,361	244,490	290,333	356,739
Salaries and wages	36,256	65,009	96,041	169,655	341,538	475,840
Operators (included above):						
Number	39,858	72,518	96,332	138,971	159,558	[5]
Male	2,525	2,457	1,972	1,079	932	[5]
Female	37,333	70,061	94,360	137,292	158,626	[5]
Wages	10,765	22,637	32,474	66,137	138,897	[5]
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	3,388	8,947	15,133	23,134	30,614	56,819
Number of telephones (thousands)	1,317	3,132	5,087	7,327	9,515	13,726
Number of originating calls (millions)	3,075	6,401	9,133	14,598	16,507	23,693
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1902–1917, AND LESS THAN $10,000, 1922 AND 1927						
Miles of wire (thousands)	50	1,077	1,229	1,529	1,763	1,559
Number of telephones (thousands)	56	1,212	1,403	1,763	2,052	1,810
Number of originating calls (millions)	[4]	[4]	[4]	2,037	2,746	2,418

[1] Statistics for 1902 not strictly comparable with those for later years, except miles of wire and number of telephones.
[2] Not reported except for the larger systems and lines.
[3] Including assessments of mutual companies.
[4] Comparable data not available.
[5] Not called for on schedule.
[6] Number shown for all systems and lines.

Source: Bureau of the Census, Department of Commerce.

No. 383.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES, AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES

Division and State	Miles of wire		Number of telephones				Telephones per 1,000 population, 1927	Number of originating calls (millions)	
	1922	1927	1902	1912	1922	1927		1922	1927
United States	37,265,958	63,836,182	2,371,044	8,729,592	14,347,395	18,522,767	155	24,648	31,614
New England	3,346,608	5,586,569	188,167	625,488	1,223,497	1,548,931	188	1,909	2,328
Maine	210,707	326,120	14,070	68,914	113,725	131,367	165	184	214
New Hampshire	134,326	211,448	9,949	40,017	68,874	83,066	183	104	117
Vermont	78,991	105,645	12,151	40,142	54,530	60,793	172	83	84
Massachusetts	1,908,091	3,165,833	96,512	329,992	687,700	867,888	203	1,100	1,334
Rhode Island	213,713	429,451	33,485	41,664	92,766	114,944	162	125	117
Connecticut	800,780	1,348,072		104,759	205,902	290,873	176	313	462
Middle Atlantic	10,518,580	19,992,689	483,054	1,782,145	3,249,710	4,588,211	183	4,826	6,909
New York	6,121,696	11,592,418	247,340	970,449	1,780,563	2,595,537	226	2,728	3,935
New Jersey	1,523,354	3,012,459	48,980	185,632	383,496	599,336	158	473	774
Pennsylvania	3,173,530	5,387,812	186,734	626,064	1,085,651	1,393,338	142	1,625	2,199
East North Central	8,763,146	15,223,410	740,059	2,378,257	3,693,101	4,589,751	185	6,077	7,538
Ohio	2,415,187	3,658,505	224,083	631,206	962,837	1,122,030	166	1,555	1,958
Indiana	1,058,314	1,558,005	136,561	354,550	508,726	552,249	175	959	1,061
Illinois	3,060,595	5,688,146	221,008	807,253	1,283,449	1,685,690	229	2,018	2,571
Michigan	1,390,945	2,967,217	95,415	335,074	508,140	711,315	156	856	1,140
Wisconsin	838,105	1,351,537	62,992	250,174	429,949	518,461	177	689	808
West North Central	4,487,007	6,044,901	399,855	1,621,523	2,315,996	2,594,081	196	4,083	4,577
Minnesota	1,147,278	1,422,716	63,192	272,359	424,777	487,611	180	804	931
Iowa	757,600	960,226	138,400	380,204	533,347	565,533	233	808	916
Missouri	1,247,503	1,988,764	103,155	404,150	550,980	657,946	187	1,046	1,269
North Dakota	124,873	140,923	6,762	51,241	77,586	86,198	134	110	129
South Dakota	109,414	154,601	10,387	65,858	101,555	107,641	154	159	171
Nebraska	514,374	606,425	36,766	201,689	275,500	295,274	210	520	524
Kansas	586,965	771,246	41,193	245,932	354,251	393,878	215	636	637
South Atlantic	2,448,857	4,244,852	146,765	531,402	937,324	1,262,222	79	1,818	2,426
Delaware	93,891	118,539	36,383	15,842	23,534	28,901	119	41	53
Maryland	540,089	936,353		84,801	153,790	197,185	123	237	294
District of Columbia	314,636	540,152		46,603	102,231	144,985	266	121	186
Virginia	379,093	615,286	25,762	76,652	155,490	183,698	72	267	382
West Virginia	226,739	349,899	22,801	80,251	116,081	146,677	86	203	279
North Carolina	199,594	392,455	17,036	65,152	116,129	160,507	55	274	379
South Carolina	126,284	171,678	10,753	33,239	54,078	64,616	35	125	146
Georgia	390,382	538,751	25,761	96,436	136,334	173,410	54	372	437
Florida	178,149	581,739	8,269	32,426	79,657	162,293	117	178	270
East South Central	1,248,559	2,001,125	112,851	337,292	521,120	644,270	69	1,274	1,537
Kentucky	467,781	722,120	46,949	130,751	201,545	222,735	87	429	485
Tennessee	399,932	642,096	36,392	104,353	171,413	220,559	88	479	559
Alabama	229,934	421,927	14,170	56,292	84,401	121,115	47	219	313
Mississippi	150,912	214,982	15,340	45,896	63,761	79,861	45	147	180
West South Central	2,148,789	3,610,976	114,939	543,102	872,157	1,149,857	98	1,963	2,649
Arkansas	219,398	318,868	16,928	68,303	90,490	118,178	61	216	239
Louisiana	256,372	560,262	17,543	46,602	87,354	137,610	71	260	385
Oklahoma	424,005	655,102	15,732	116,217	222,889	278,912	116	462	581
Texas	1,249,014	2,085,744	64,736	311,980	462,424	614,657	113	1,025	1,444
Mountain	927,682	1,198,550	48,067	226,652	385,730	456,198	117	636	780
Montana	120,725	135,536	5,451	35,537	55,115	59,238	108	75	81
Idaho	105,027	111,940	3,886	29,454	48,745	54,822	101	88	128
Wyoming	50,223	60,622	[1] 7,258	9,946	24,949	28,049	114	42	39
Colorado	412,816	559,873	24,593	90,397	150,652	183,250	169	247	313
New Mexico	37,428	48,705	2,510	10,346	18,342	21,580	55	33	35
Arizona	55,518	89,305	3,264	11,224	24,353	38,194	71	31	37
Utah	129,193	167,393	[2]	34,064	53,261	63,106	120	104	127
Nevada	16,732	25,116	1,165	5,684	10,313	12,959	168	16	20
Pacific	3,076,750	5,924,110	159,287	683,731	1,148,760	1,689,748	242	2,062	2,871
Washington	533,515	739,138	31,447	150,016	238,275	299,109	190	449	554
Oregon	368,342	490,820	21,190	99,713	146,847	185,171	207	277	331
California	2,174,893	4,694,152	106,650	434,002	763,638	1,205,466	268	1,336	1,986

[1] Includes Utah.
[2] Included with Wyoming.

Source: Bureau of the Census, Department of Commerce.

No. 384.—TELEPHONE SYSTEMS: Total Number of Telephones, all Systems, and Number of Telephones and Miles of Wire in The Bell System

Dec. 31—	Total telephones [1]	Bell system		Dec. 31—	Total telephones [1]	Bell system	
		Telephones [2]	Miles of wires			Telephones [2]	Miles of wire
1895	339,500	309,502	675,415	1921	13,875,200	13,380,219	27,819,821
1900	1,355,900	855,911	1,961,801	1922	[3] 14,347,395	14,050,565	30,616,522
1905	4,120,900	2,530,924	5,779,918	1923	15,369,500	15,000,101	34,523,842
1910	7,035,400	5,882,719	11,642,212	1924	16,072,500	15,906,550	39,393,619
1915	10,523,500	9,172,495	18,505,545	1925	16,935,900	16,720,224	45,473,540
1916	11,241,400	9,893,610	19,850,315	1926	17,746,000	17,574,252	50,861,150
1917	[3] 11,716,520	10,539,576	22,610,487	1927	[3] 18,522,767	18,365,486	56,822,895
1918	12,077,600	11,065,999	23,346,132	1928	19,341,000	19,197,035	62,192,744
1919	12,668,500	11,795,747	24,162,999	1929	20,233,000	20,096,854	66,519,425
1920	13,329,400	12,601,935	25,377,404				

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.

No. 385.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): Summary of Statistics

	1910	1915	1920	1925	1927	1928	1929
	Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)						
Exchange messages, daily average	21,681	25,184	31,835	46,702	52,581	56,196	61,084
Toll messages, daily average	603	819	1,327	2,098	2,614	2,839	3,139
Central offices (number)	4,933	5,300	5,702	6,017	6,115	6,224	6,396
Miles of wire, total	11,642	18,506	25,377	45,474	56,823	62,193	69,519
Aerial wire	5,625	7,932	9,030	14,991	18,936	21,112	23,953
Underground wire	6,017	10,573	15,748	30,483	37,887	41,081	45,566
Exchange wire	9,678	16,052	21,604	39,841	49,279	53,416	58,511
Toll wire	1,964	2,453	3,773	5,633	7,544	8,777	11,008
Miles of phantom circuit [1]	116	197	508	795	1,140	1,238	1,581
Telephone stations, total	5,883	9,172	12,602	16,720	18,365	19,197	20,097
Bell-owned [2]	3,933	5,968	8,334	12,035	13,726	14,525	15,414
Bell-connecting (owned by other companies)	1,950	3,204	4,268	4,685	4,639	4,672	4,683
Employees (number)	120,311	156,294	231,316	293,095	308,911	334,335	364,045
	Income statement year ended Dec. 31 (in thousands of dollars) [3]						
Gross revenues	165,613	239,910	461,135	761,219	916,587	1,003,048	1,114,760
Expenses	114,618	173,728	381,626	578,776	700,017	760,326	838,073
Net revenue	50,994	66,182	79,509	182,443	216,570	242,722	276,687
Interest	11,557	18,096	31,724	45,940	50,511	51,635	59,582
Net income	39,438	48,086	47,785	136,503	166,059	191,087	217,105
Dividends	25,161	32,897	40,000	93,243	112,401	119,348	132,224
Balance	14,277	15,189	7,785	43,260	[4] 53,658	71,739	84,881
	Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) [3]						
Telephone plant	611,000	880,069	1,363,826	2,524,906	3,013,985	3,275,687	3,671,100
Capital stock	344,645	440,711	511,493	1,144,619	1,351,940	1,564,644	1,611,862
Funded debt	224,792	353,236	585,794	890,337	919,790	912,126	1,081,603

[1] A phantom circuit is an extra circuit obtained without use of additional line wires by special interconnection of the four wires forming two existing physical circuits.
[2] Includes private line stations.
[3] All duplications between companies excluded.
[4] Does not include special nonrecurring dividend of $47,938,865 received from Western Electric Co. (Inc.).

Source of Tables 384 and 385: American Telephone & Telegraph Co.

No. 386.—TELEPHONE SYSTEMS: REPORTS TO INTERSTATE COMMERCE COMMISSION

NOTE.—Companies engaged in interstate business are required to report both as regards interstate and *intrastate* business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over $250,000; Class B, $50,000 to $250,000; Class C, $10,000 to $50,000. Class B now includes companies with revenues from $100,000 to $250,000 and Class C those with revenues from $50,000 to $100,000. The smaller companies, Class D, are not covered in the table

Year ended Dec. 31—	Miles of wire (thousands)	Number of company stations (thousands)	Operating revenues	Operating expenses	Operating income before deduction of taxes	Operating income after deduction of taxes	Investment: Plant and equipment	Investment: All other
			Thousands of dollars					
All companies:								
1916	23,699	8,963	314,801	209,233	(1)	(1)	1,217,756	(1)
1920	29,040	-------	530,349	-------	-------	88,024	1,704,304	1,122,289
1922	35,475	-------	634,134	-------	-------	133,505	2,019,726	1,223,639
1923	38,615	-------	671,436	475,463	-------	142,369	2,193,446	1,354,596
1924	44,066	-------	729,826	513,779	-------	156,713	2,501,828	1,491,939
1925	49,773	13,875	818,218	556,993	257,231	193,599	2,790,056	1,633,124
1926	56,021	14,812	907,564	608,150	294,925	219,508	3,101,797	1,744,637
1927	62,096	15,702	979,414	653,231	316,951	235,047	3,367,860	1,953,742
1928	67,790	16,648	1,068,478	715,032	343,175	260,641	3,666,739	2,030,651
Class A companies:								
1920	27,402	9,294	486,427	375,372	112,069	81,362	1,518,660	1,092,668
1925	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1928	66,477	15,847	1,042,330	696,969	339,234	253,635	3,541,736	2,028,666
1929	(1)	16,801	1,143,536	771,858	364,087	276,139	(1)	(1)
Class B companies: 1928	877	499	16,785	11,311	5,394	4,091	71,303	1,448
Class C companies: 1928	436	302	9,363	6,752	3,546	2,915	53,700	537

[1] Data not available.

Source: Interstate Commerce Commission.

No. 387.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions

	1907	1912	1922	1927
Number of companies or systems	5	4	4	5
Number of messages	154,617	[1] 285,091	2,365,109	3,777,538
Number of tower stations	117	74	37	65
Income, total	$106,791	[2] $669,158	[2] $8,111,102	[2] $24,829,340
Expenses, total	$160,329	$604,420	$5,111,574	$12,866,336
General operation and maintenance	$117,480	$588,712	$3,534,474	$5,116,264
Interest and taxes	$5,562	$7,826	$156,457	$243,435
All other expenses	$37,287	$67,882	$1,420,643	$7,500,937
Net income		$4,738	$2,999,528	$11,962,704
Deficit	$53,538			
Assets, total	$32,958,897	$10,377,197	$46,494,909	$31,147,512
Plant and equipment	$317,614	$1,205,770	$34,716,814	$35,751,904
Investment and marketable securities, long-term advances, and miscl. investments			$1,225,169	$17,711,483
Cash and current assets	$32,196,456	$9,171,427	[3] $4,427,880	$19,312,823
Materials and supplies			$5,883,877	$6,831,530
Sundries			$241,219	$1,387,342
Deficit	$444,827			$152,430
Liabilities, total	$32,958,897	$10,377,197	$46,494,909	$31,147,512
Capital stock	$32,676,242	$9,602,570	$36,034,309	$38,174,134
Funded and long-term debt			$525,000	
Floating debt	$282,655	$287,866	$659,280	$320,961
Accounts payable			$3,254,556	$11,436,628
Reserves (depreciation and other)			$4,040,280	$17,206,630
Sundries		$313,777	$1,172,599	$5,746,975
Surplus		$172,984	$808,385	$8,262,186
Number of employees	176	958	1,258	1,985
Salaries and wages	$81,771	$393,666	$2,095,506	$2,558,179

[1] Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.

[2] Includes revenues from transmission for 1922, $4,207,785; for 1927, $6,226,188; other operating revenues, 1922, $3,644,201; 1927, $14,791,565; nonoperating income, 1922, $259,116; 1927, $3,811,587.

[3] Includes sinking funds and stock and bond discounts.

Source: Bureau of the Census, Department of Commerce.

No. 388.—TELEGRAPH AND CABLE SYSTEM: Summary of Reports to the Interstate Commerce Commission

[All money figures in thousands of dollars. Data are not available for 1918 and 1919]

Year ended Dec. 31—	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
All companies:								
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066
1917	1,937	152,462	(1)	90,791	74.82	(1)	13,807	7,078
1920	1,781	258,097	21,275	153,264		21,512	16,158	11,471
1921	1,858	270,976	20,549	136,663		18,667	13,311	9,078
1922	1,874	279,402	19,907	138,190		22,894	18,138	13,960
1923	1,894	288,481	27,001	144,010	81.11	21,025	16,656	9,309
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386
1925	2,075	321,087	28,191	162,693	81.64	23,204	18,854	9,066
1926	2,056	338,794	27,017	165,831	82.81	21,767	16,806	10,750
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680
Western Union Co.: 1928	1,890	271,636	28,354	136,450	80.81	20,425	15,570	8,085
Mackay companies: 1928	355	65,275	979	27,912	92.38	1,408	547	

[1] Data not avilable.

Source: Interstate Commerce Commission.

No. 389.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: Financial Statistics

[All figures in thousands of dollars]

	1902	1912	1917	1922	1927
INCOME ACCOUNT					
Income, total	40,930	64,763	109,703	151,858	182,998
Telegraph traffic	35,301	60,403	106,990	146,805	177,589
From other sources	5,629	4,360	2,713	5,053	5,409
Expenses, total	30,948	58,379	91,871	127,991	159,153
Operation and maintenance	24,456	[1] 46,780	[1] 74,935	113,140	[1] 141,987
Interest and taxes	2,539	3,955	7,982	10,195	11,838
All other	3,953	7,644	[2] 8,954	[2] 4,656	[2] 5,328
Net income[3]	9,982	6,384	17,832	23,867	23,845
Dividends	6,257	6,180	9,817	10,716	14,199
BALANCE SHEET					
Assets	195,504	298,289	363,017	459,469	572,939
Plant and equipment	161,680	222,047	243,358	326,662	426,699
Securities and investments	25,940	33,934	56,035	78,339	52,270
Cash and current assets	7,884	[4] 42,308	[4] 63,624	[4] 53,969	[4] 93,970
Liabilities	195,504	298,289	363,017	459,469	572,939
Capital stock	117,053	163,646	167,260	177,204	180,095
Funded debt	45,893	62,741	61,828	71,394	97,037
Reserve	7,860	20,804	53,663	90,222	118,031
Other liabilities	6,619	35,248	45,484	50,133	64,557
Net surplus	18,079	15,850	34,782	70,517	113,219

[1] Includes charges for depreciation.
[2] Includes payment for use of leased lines.
[3] Total income less all expenses, including depreciation; for 1917, 1922, and 1927, does not include charges for sinking and other reserve funds.
[4] Includes sinking funds and stock and bond discount.

Source: Bureau of the Census, Department of Commerce.

No. 390.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: FINANCIAL STATISTICS

NOTE.—Western Union figures, which constitute the largest item of the totals, do not segregate land telegraph from ocean-cable business and are shown as totals under land telegraphs. Consequently, data in these columns overstate and those under ocean cables understate the true amounts

[All figures in thousands of dollars]

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
INCOME ACCOUNT								
Income, total	56,293	92,954	130,539	162,860	8,470	16,749	21,319	20,137
Telegraph traffic	52,337	91,313	128,631	159,682	8,066	15,677	18,174	17,907
From other sources	3,956	1,642	1,908	3,178	404	1,072	3,145	2,230
Expenses	52,863	80,829	114,864	146,771	5,516	11,042	13,127	12,382
Net income	[1] 3,431	[1] 12,125	[1] 15,675	[1] 16,089	2,953	5,707	8,193	7,755
BALANCE SHEET								
Assets	190,706	226,407	321,913	412,720	107,583	136,610	137,557	160,219
Plant and equipment	[2] 143,911	[2] 163,488	254,030	338,143	[3] 78,136	[3] 79,871	72,632	88,556
Securities and investments	17,123	29,565	31,875	12,567	16,811	26,470	46,964	39,704
Cash and current assets	[4] 29,672	[4] 33,355	[4] 36,008	[4] 62,010	[5] 12,636	[5] 30,269	[5] 17,961	[5] 31,959
Liabilities	190,706	226,407	321,913	412,720	107,583	136,610	137,556	160,219
Capital stock	108,156	106,360	104,466	104,472	55,490	60,900	72,738	75,623
Funded debt	[6] 34,741	[6] 33,828	67,394	92,872	[7] 28,000	[7] 28,000	4,000	4,165
Reserves	5,255	20,627	46,773	64,607	15,549	33,036	43,449	53,424
Other liabilities	33,201	37,024	40,430	57,983	2,047	8,460	9,702	6,574
Net surplus	9,353	28,568	62,849	92,786	6,497	6,214	7,668	20,433

[1] Total income less all expenses, including depreciation; for 1917, 1922, and 1927 does not include charges for sinking and other reserve funds.

[2] Not including land-line-system plant and equipment to the value of $20,000,000 reported as cable-system plant and equipment for 1912 and 1917. (In statistics for preceding censuses an item of $20,000,000 funded debt, offset by the same amount for plant and equipment, was carried against ocean-cable telegraphs. This debt being really a land-line-system debt, is eliminated from the figures for ocean-cable system in 1922 and 1927.)

[3] Includes land-line-system plant and equipment to the value of $20,000,000 (see note 2).

[4] Includes sinking funds and stock and bond discount.

[5] Includes sinking and other special funds.

[6] Not including land-line-system funded debt to the amount of $20,000,000 reported as cable-system indebtedness in 1912 and 1917 (see note 2).

[7] Includes land-line-system indebtedness to the amount of $20,000,000 (see note 2),

No. 391.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES, AND WAGES

	1902	1912	1917	1922	1927
Miles of pole line [1]	237,990	247,528	241,128	252,991	256,809
Miles of single wire [2]	1,318,350	1,814,196	1,890,245	1,853,250	2,146,470
Aerial	([3])	([3])	1,809,482	1,718,251	1,940,089
Underground	([3])	([3])	77,187	131,448	200,811
Submarine	([3])	([3])	3,576	3,551	5,590
Nautical miles of ocean cable	16,677	67,676	71,251	76,711	105,893
Number of offices	27,377	30,864	28,940	27,354	27,666
Operated jointly with railway companies	([3])	26,247	23,272	21,906	21,449
Telegrams, thousands	91,655	109,378	[4] 127,074	191,121	229,582
Governmental	([3])	([3])	4,597	3,190	2,732
Full commercial rate	([3])	([3])	110,618	175,847	214,164
Contract rate and free	([3])	([3])	11,858	12,075	12,686
Number of employees	27,627	37,295	51,574	68,632	81,498
Salaries and wages ($1,000)	15,040	24,965	39,644	76,162	99,520

[1] Exclusive of pole line owned and operated wholly by railway companies.

[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles. No data for 1902.

[3] Figures not available.

[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported by land systems.

Source of Tables 390 and 391: Bureau of the Census, Department of Commerce.

No. 392.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES

NOTE.—The land business and the ocean business of the Western Union Telegraph Co. are not segregated in this table for 1912 and are shown as totals under land systems. The total (estimated) number of messages in 1912 was 103,536,418 on land systems and 5,841,280 on ocean systems.

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
Miles of pole line [1]	247,528	241,012	252,991	254,720	------	116	------	2,089
Miles of single wire [2]	1,814,196	1,888,793	1,845,237	2,143,334	([3])	1,452	8,013	3,136
Aerial	([3])	1,808,325	1,714,211	1,938,833	([3])	1,157	4,040	1,236
Underground	([3])	76,892	127,475	198,911	([3])	295	3,973	1,900
Submarine	([3])	3,576	3,551	5,590	------	------	------	------
Nautical miles of ocean cable	------	------	------	------	67,076	71,251	76,711	105,893
Number of offices	30,781	28,826	27,214	27,560	83	114	140	106
Operated jointly with railway companies	26,247	23,272	21,906	21,449	------	------	------	------
Telegrams, thousands	106,533	[4] 120,623	181,519	215,585	2,846	6,451	9,603	13,987
Governmental	([3])	4,309	3,130	2,657	([3])	288	69	75
Full commercial rate	([3])	106,159	166,730	200,381	([3])	4,459	9,117	13,783
Contract rate and free	([3])	10,154	11,659	12,557	([3])	1,704	417	129
Number of employees	35,639	47,227	62,299	77,235	1,656	4,347	6,333	4,263
Salaries and wages ($1,000)	23,798	36,392	68,737	93,413	1,167	3,252	7,425	6,108

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles.
[3] Figures not available.
[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.

No. 393.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895	189,714	802,651	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	24,758,570	18,593,206	6,165,364
1905	200,224	1,184,557	23,814	29,033,635	21,845,570	7,188,065
1910	214,360	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1913	237,807	1,562,170	25,060	46,899,267	42,327,121	4,572,146
1914	240,231	1,609,346	25,784	47,287,388	40,578,751	6,708,637
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1916	237,664	1,627,342	25,234	63,621,601	[1] 49,894,346	13,727,255
1917	228,766	1,626,963	25,466	78,480,223	62,783,006	15,697,217
1918	[2] 247,303	1,382,547	25,452	[3] 88,093,247	[3] 76,713,028	[3] 11,380,219
1919	245,560	1,433,978	25,159	[3] 104,082,147	[3] 90,312,033	[3] 13,770,114
1920	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921	246,064	1,521,085	24,632	105,228,075	95,542,563	9,685,512
1922	242,720	1,534,009	24,580	107,116,306	93,910,954	13,205,352
1923	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924	246,742	1,593,963	24,478	115,235,563	101,815,734	13,419,829
1925	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804
1929	256,044	1,934,020	25,061	148,449,854	132,974,961	15,474,893

[1] Includes special payment to employees, $1,166,424. [2] Figures readusted. [3] Corporate and Federal.

Sources: Table 392, Bureau of the Census, Department of Commerce; Table 393, Annual Reports of the Western Union Telegraph Co.

18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 394.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of exports, imports, or changes in stocks

Annual average or year	Anthracite	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [1]	Grand total fuels and water power	Equivalent in bituminous coal [2]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	-------	-------	(1)	1,520	58	1.4
1876–1880	718	955	1,673	101	-------	-------	(1)	1,867	71	1.5
1881–1885	985	1,863	2,848	153	[3] 24	-------	(1)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	108	[3] 264	-------	(1)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[3] 166	-------	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[3] 198	-------	129	6,690	255	3.5
1901–1905	1,818	7,140	8,958	612	323	-------	209	10,102	386	4.8
1906–1910	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911–1915	2,427	11,527	13,954	1,486	619	72	591	16,722	638	6.6
1916–1920	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921–1925	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1925	1,681	13,625	15,306	4,582	1,278	371	1,290	22,827	871	7.5
1926	2,297	15,022	17,319	4,625	1,411	362	1,492	25,209	962	8.2
1927	2,170	13,565	15,744	5,407	1,553	350	1,087	24,741	944	8.0
1928	2,049	13,120	15,169	5,409	1,686	479	1,942	24,685	942	7.8
Per cent of total—										
1901–1905	18.0	70.7	88.7	6.1	3.2	-------	2.1	100.0	-------	-------
1911–1915	14.5	68.9	83.4	8.9	3.7	0.4	3.5	100.0	-------	-------
1921–1925	9.9	59.2	69.1	18.2	4.8	2.7	5.2	100.0	-------	-------
1928	8.3	53.1	61.5	21.9	6.8	1.9	7.9	100.0	-------	-------

[1] The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.
[2] Calculated at 26,200,000 British thermal units per ton.
[3] Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

Source: Bureau of Mines, Department of Commerce.

No. 395.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data prior to 1919 are totals for central stations and electric railways as reported by Bureau of the Census; thereafter they are estimated totals for all plants, based on returns from about 3,500 plants in 1919 to about 3,800 in 1929, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 per cent of that of all plants

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators
	Total	Water power	Fuel power	Coal	Fuel oil	Gas	Total	Per kilowatt-hour	
	Million kilowatt-hours	*Million kilowatt-hours*	*Million kilowatt-hours*	*Thousand tons* [1]	*Thousand barrels* [2]	*Million cubic feet*	*Thousand tons* [1]	*Pounds*	*Thousand kilowatts*
1902	4,768	-------	-------	-------	-------	-------	-------	-------	[3] 2,112
1907	10,621	-------	-------	-------	-------	-------	-------	-------	4,432
1912	17,572	-------	-------	-------	-------	-------	-------	-------	7,670
1917	32,679	-------	-------	-------	-------	-------	-------	-------	11,919
1919	38,921	14,606	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921	40,975	14,970	26,005	31,585	12,045	23,722	35,240	2.7	15,433
1922	47,554	17,207	30,447	34,179	13,197	27,172	38,000	2.5	15,971
1923	55,685	19,343	36,322	38,966	14,684	31,433	43,522	2.4	17,360
1924	59,014	19,969	39,044	37,556	16,630	48,443	43,130	2.2	19,519
1925	65,870	22,356	43,514	40,222	10,246	46,521	44,780	2.1	23,619
1926	73,791	26,189	47,602	41,311	9,399	53,207	45,856	1.95	25,398
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928	87,850	34,696	53,154	41,350	7,158	77,326	46,387	1.76	29,030
1929	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952

[1] Of 2,000 pounds. [2] Of 42 gallons. [3] Partly estimated.

Sources: 1902 to 1917, Bureau of the Census, Department of Commerce; thereafter, Geological Survey, Department of the Interior.

No. 396.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC UTILITY POWER PLANTS: BY STATES

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

Division and State	Production of electric power										Capacity of generators, 1929
	Total						Generated by water power		Generated by fuel power		
	1920	1922	1924	1926	1928	1929	1920	1929	1920	1929	
United States	43,555	47,654	59,014	73,791	87,850	97,352	16,150	34,629	27,405	62,723	31,952
New England	3,407	3,730	4,335	5,166	5,959	6,609	1,134	2,024	2,273	4,585	2,651
Maine	352	405	474	544	694	720	344	640	9	79	195
New Hampshire	97	196	216	264	302	310	61	231	36	80	113
Vermont	200	137	224	265	452	464	196	455	4	8	179
Massachusetts	1,740	1,850	2,098	2,499	2,751	3,026	358	491	1,382	2,536	1,347
Rhode Island	334	411	427	476	490	653	6	4	328	649	243
Connecticut	684	731	896	1,118	1,270	1,436	169	203	515	1,233	573
Middle Atlantic	12,349	13,062	16,306	20,537	22,657	24,784	3,665	6,472	8,684	18,313	7,867
New York	6,939	7,421	9,289	11,333	13,030	14,465	3,030	5,617	3,909	8,848	4,580
New Jersey	1,096	1,112	1,304	1,737	2,085	2,165	2	22	1,094	2,142	750
Pennsylvania	4,314	4,529	5,713	7,457	7,542	8,155	633	832	3,681	7,323	2,537
East North Central	9,958	10,876	13,791	17,604	20,947	23,333	1,382	2,511	8,576	20,822	7,563
Ohio	2,930	3,043	3,702	4,761	5,539	6,417	28	44	2,902	6,373	2,140
Indiana	933	1,077	1,298	1,758	1,989	2,576	35	141	898	2,435	931
Illinois	3,043	3,483	4,665	5,930	6,966	7,369	185	256	2,858	7,114	2,265
Michigan	2,093	2,180	2,697	3,393	4,347	4,695	672	1,100	1,421	3,596	1,483
Wisconsin	960	1,094	1,430	1,821	2,106	2,276	463	970	497	1,305	745
West North Central	3,179	3,568	3,934	4,587	5,126	5,675	1,166	1,588	2,013	4,087	2,216
Minnesota	703	788	870	1,040	1,065	1,202	410	656	293	546	489
Iowa	1,017	1,042	1,175	1,345	1,521	1,499	662	787	354	713	543
Missouri	698	871	889	913	991	1,221	46	72	652	1,149	534
North Dakota	28	32	39	48	85	105			28	105	51
South Dakota	48	56	66	80	106	108	15	14	33	94	60
Nebraska	247	284	338	395	464	533	13	34	235	499	197
Kansas	438	496	557	766	893	1,007	21	26	417	981	341
South Atlantic	3,980	4,851	5,950	7,197	10,500	11,902	1,614	6,562	2,365	5,339	3,883
Delaware	76	85	88	110	100	53			76	53	32
Maryland	283	394	482	588	1,477	2,011	3	1,270	280	741	605
District of Columbia	255	282	315	381	467	505		10	255	495	199
Virginia	521	638	744	926	1,168	1,297	203	338	318	959	408
West Virginia	1,128	1,351	1,763	1,807	2,045	2,220	23	173	1,105	2,047	560
North Carolina	260	443	647	1,117	2,225	2,552	208	2,373	51	179	878
South Carolina	730	869	944	1,038	1,309	1,457	673	1,316	57	141	496
Georgia	595	628	749	711	981	1,136	491	1,062	104	73	338
Florida	133	160	218	510	637	670	13	20	120	650	367
East South Central	1,464	1,535	2,064	3,049	3,326	3,623	840	2,800	623	823	1,563
Kentucky	276	315	405	514	625	715		297	276	419	344
Tennessee	573	512	694	894	956	1,021	441	992	132	329	334
Alabama	550	647	890	1,583	1,695	1,830	399	1,811	150	19	828
Mississippi	66	60	74	59	50	57			66	57	56
West South Central	1,230	1,463	1,923	2,040	4,035	4,896	7	73	1,222	4,823	1,428
Arkansas	119	131	155	164	150	128	1	50	117	78	91
Louisiana	219	250	308	520	821	990			219	990	232
Oklahoma	214	266	331	463	844	977	2	4	212	973	291
Texas	679	817	1,129	1,493	2,221	2,801	4	19	675	2,782	814
Mountain	2,581	2,390	2,983	3,425	3,818	3,967	2,247	3,282	334	685	1,110
Montana	1,126	985	1,145	1,408	1,619	1,614	1,119	1,596	7	18	310
Idaho	591	616	793	811	948	894	589	892	2	2	226
Wyoming	47	39	54	59	84	99	2	35	44	63	47
Colorado	397	403	490	562	541	564	185	230	213	333	222
New Mexico	15	17	20	26	52	67	1	2	14	65	39
Arizona	159	145	153	172	336	283	107	193	53	90	115
Utah	212	146	267	350	283	402	212	292	(1)	110	140
Nevada	34	39	42	37	55	44	33	41	1	2	11
Pacific	5,408	6,178	7,748	9,537	11,382	12,563	4,094	9,317	1,314	3,246	3,672
Washington	1,197	1,286	1,504	1,808	2,361	2,552	1,154	2,182	43	370	663
Oregon	476	513	678	831	1,041	1,161	871	768	105	393	284
California	3,736	4,380	5,566	6,898	7,980	8,850	2,569	6,367	1,167	2,483	2,695

[1] Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

No. 397.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT, AND SALES

NOTE.—A central electric station is one selling current to public or private consumers, or a municipal plant supplying current for streets, public buildings, etc. Isolated or private plants operated solely for the benefit of the owner in connection with factories, mines, stores, hotels, institutions, etc., which in the aggregate produce great quantities of current, are not included. The business of electric street railways is shown only so far as that portion of their business relating to the sale of current can be segregated. Electric plants operated by the Federal or State Governments are excluded even when they sell current to private consumers. One central electric station often sells current to another, so that there is considerable duplication in total sales. Net sales are considerably less than current generated because of wire losses, self consumption, etc.

	All central electric stations					
	1902	1907	1912	1917	1922	1927
Number of stations [1]	3,620	4,714	5,221	6,542	6,355	4,335
Prime movers, horsepower—thousands	1,845	4,098	7,530	12,937	19,851	25,710
Steam engines	1,394	1,876	1,895	1,702	1,371	994
Steam turbines		817	3,054	6,747	12,355	24,323
Water wheels and turbines	439	1,349	2,469	4,277	5,822	9,844
Internal-combustion engines	12	56	111	210	303	548
Dynamos:						
Number	12,484	12,173	12,610	13,428	12,701	11,907
Kilowatt capacity—thousands	1,212	2,709	5,165	8,994	14,313	25,811
Output—millions of kilowatt hours			14,183	31,044	50,274	98,329
Generated	2,507	5,862	11,569	25,438	40,292	74,687
Purchased	(2)	(2)	2,614	5,606	9,983	22,142
Sold	(2)	(2)	(2)	25,752	41,965	79,011
To ultimate consumers	(2)	(2)	(2)	(2)	32,948	63,612
For resale	(2)	(2)	(2)	(2)	9,017	15,399
Number of customers—thousands	(2)	1,947	3,838	7,179	12,710	21,786
Salaried employees—number	6,998	12,990	26,093	35,406	55,112	101,415
Salaries—1,000 dollars	5,664	11,734	24,307	36,788	86,951	(3)
Wage earners—number	[4] 23,330	[4] 34,642	[5] 53,242	[5] 70,135	[5] 95,650	[5] 140,605
Wages—1,000 dollars	14,983	23,687	36,855	58,454	125,481	(3)

[1] The term "station" as here used may represent a single electric station or a number of stations operated under the same ownership.

[2] Figures not available.

[3] Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to $166,341,000, and 138,796 wage earners, with wages amounting to $201,291,000. The percentages which the salaried employees and wage earners reported by the commercial plants formed of the corresponding totals for both commercial and municipal plants were 94.6 and 92.8, respectively.

[4] Average number for the year.

[5] Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922; and June 30, 1927, or nearest representative day.

No. 398.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL STATIONS

NOTE.—See headnote to Table 397

	Commercial stations				Municipal stations			
	1912	1917	1922	1927	1912	1917	1922	1927
Number of establishments	3,659	4,224	3,774	2,137	1,562	2,318	2,581	2,198
Horsepower of prime movers—thousands	6,971	12,078	18,571	33,661	559	859	1,280	2,049
Capacity of dynamos thousands of kw.	4,769	8,412	13,407	24,383	397	582	906	1,428
Current millions of kw. hrs.	13,557	29,812	47,833	92,209	626	1,232	2,441	4,529
Generated	11,032	24,390	38,413	71,307	537	1,039	1,878	3,379
Purchased	2,525	5,413	9,420	20,992	89	193	563	1,150
Sold—								
To ultimate consumers	(1)	24,723	30,941	60,537	(1)	1,029	2,007	3,075
For resale			8,971	14,808			45	591
Customers—thousands	3,312	6,202	11,065	19,661	526	977	1,645	2,129
Employees—number	71,395	94,679	136,105	234,747	7,940	10,862	14,657	16,273
Income—1,000 dollars	279,054	486,634	986,684	1,841,227	23,219	40,260	85,436	122,437
Expenses—do	217,660	395,127	792,496	1,318,255	16,917	31,441	67,129	(1)
Assets—do	2,490,023	3,031,973	5,504,614	12,950,388	86,521	148,345	288,623	(1)
Value of plant and equipment—1,000 dollars	2,098,613	2,933,017	4,229,356	[2] 8,880,291	77,065	127,375	235,660	417,167

[1] Not called for on schedule.

[2] Includes plant and equipment valued at $902,057,279, not separated as to electric light and power and other properties.

Source of Tables 397 and 398: Bureau of the Census, Department of Commerce.

No. 399.—CENTRAL ELECTRIC STATIONS: STATISTICS OF COMMERCIAL

[See headnote

Division and State	Horsepower of prime movers (thousands)				Millions of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1927	Water wheels and turbines, 1927	1907	1912	1917	1922
	1922	1927						
Continental United States	19,851	35,710	25,866	9,844	5,882	11,569	25,436	40,292
New England	1,980	3,009	2,250	759	474	865	1,838	2,270
Maine	128	252	50	202	96	117	166	278
New Hampshire	72	157	61	96	55	127	160	95
Vermont	139	204	20	184	30	43	65	218
Massachusetts	1,065	1,529	1,340	189	219	386	937	1,493
Rhode Island	222	264	262	2	36	62	162	342
Connecticut	354	603	517	86	67	131	346	544
Middle Atlantic	5,060	8,615	6,907	1,708	2,009	3,549	7,659	10,766
New York	2,684	4,212	2,788	1,424	1,452	2,175	3,829	5,431
New Jersey	475	1,004	997	7	141	384	781	1,058
Pennsylvania	1,901	3,399	3,122	277	417	990	3,049	4,277
East North Central	4,588	8,668	7,866	802	1,076	2,528	5,757	9,308
Ohio	1,212	2,354	2,331	23	217	399	1,084	2,404
Indiana	451	870	822	48	130	237	441	795
Illinois	1,405	2,904	2,838	66	468	1,151	2,210	3,090
Michigan	945	1,619	1,263	356	208	526	1,504	2,103
Wisconsin	575	921	612	309	53	215	518	976
West North Central	1,610	2,671	2,227	444	386	713	1,776	2,969
Minnesota	312	516	342	174	88	186	441	589
Iowa	331	649	443	206	38	67	615	859
Missouri	429	648	626	22	147	233	266	701
North Dakota	43	56	56		8	12	23	40
South Dakota	53	70	63	7	14	25	32	62
Nebraska	155	250	229	21	32	56	130	246
Kansas	286	482	468	14	60	133	270	473
South Atlantic	1,910	4,394	2,695	1,699	266	730	1,745	3,789
Delaware, Maryland, Dist. of Columbia	430	695	669	26	78	118	326	622
Virginia	163	502	404	98	10	29	108	319
West Virginia	393	755	670	85	25	42	204	1,199
North Carolina	231	773	301	472	13	71	372	404
South Carolina	449	700	164	536	69	357	500	844
Georgia	149	609	136	473	59	88	184	268
Florida	95	360	351	9	12	26	51	131
East South Central	717	1,447	779	668	119	228	1,049	1,420
Kentucky	135	395	257	138	37	76	123	232
Tennessee	204	456	283	173	35	76	505	493
Alabama	320	508	151	357	31	49	331	634
Mississippi	59	88	88		16	28	30	62
West South Central	626	1,563	1,532	31	139	234	483	1,041
Arkansas	57	131	117	14	12	18	30	84
Louisiana	44	277	277		26	18	26	52
Oklahoma	162	300	298	2	25	49	101	243
Texas	362	855	840	15	76	149	317	662
Mountain	1,005	1,406	386	1,020	381	845	2,036	2,209
Montana	356	378	15	363	137	379	965	988
Idaho	209	307	4	303	10	116	145	531
Wyoming	41	48	44	4	5	12	27	39
Colorado	153	269	190	79	123	165	274	290
New Mexico	20	33	32	1	5	9	17	22
Arizona	82	153	48	105	9	33	66	147
Utah	129	199	50	149	62	87	487	146
Nevada	16	19	3	16	30	45	54	45
Pacific	2,355	3,937	1,224	2,713	1,012	1,878	3,097	5,759
Washington	512	848	149	699	258	71	242	1,144
Oregon	107	308	139	169	93	59	108	267
California	1,735	2,781	936	1,845	662	1,747	2,747	4,348

[1] Less than 500,000 kilowatt-hours.

AND MUNICIPAL PLANTS WITH CURRENT GENERATED AND SOLD, BY STATES

to Table 397]

Millions of kilowatt-hours generated—Continued			Millions of kilowatt hours sold, 1927—		Income (in thousands of dollars), 1927—		Division and State
1927	Commercial stations, 1927	Municipal stations, 1927	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
74,686	71,307	3,379	63,612	15,399	1,667,045	135,610	**Continental United States.**
4,750	4,660	90	3,956	1,868	138,141	18,653	**New England.**
561	557	4	473	41	9,819	420	Maine.
226	225	1	151	27	6,607	298	New Hampshire.
339	322	17	127	195	4,897	1,667	Vermont.
2,245	2,182	63	2,019	988	75,943	10,578	Massachusetts.
411	411		378	376	12,451	3,355	Rhode Island.
968	963	5	808	241	28,334	2,335	Connecticut.
19,282	19,158	124	17,869	3,419	475,197	24,704	**Middle Atlantic.**
9,918	9,840	78	9,378	1,678	242,482	10,794	New York.
1,862	1,852	10	1,688	52	68,507	557	New Jersey.
7,502	7,466	36	6,803	1,689	164,208	13,353	Pennsylvania.
18,212	17,329	883	15,257	3,840	403,177	32,408	**East North Central.**
4,724	4,429	295	4,224	698	111,878	6,856	Ohio.
1,746	1,590	156	1,522	411	45,288	4,014	Indiana.
6,075	5,876	199	4,932	1,938	128,474	14,147	Illinois.
3,774	3,597	177	3,225	251	79,040	2,624	Michigan.
1,893	1,837	56	1,354	542	38,497	4,767	Wisconsin.
4,540	4,134	415	4,081	553	140,750	9,534	**West North Central.**
843	784	59	924	96	31,045	1,643	Minnesota.
1,429	1,375	54	685	180	26,521	2,990	Iowa.
891	839	52	1,452	120	41,978	1,547	Missouri.
60	56	4	48	5	3,790	223	North Dakota.
90	75	15	67	12	4,797	402	South Dakota.
405	340	65	301	70	12,627	1,434	Nebraska.
831	665	166	584	70	19,983	1,295	Kansas.
8,445	8,187	258	7,016	1,961	153,834	15,869	**South Atlantic.**
1,102	1,085	17	1,236	83	31,615	1,168	Delaware. Maryland. Dist. of Columbia.
974	933	41	687	15	17,120	161	Virginia.
1,903	1,902	1	970	1,163	21,481	6,818	West Virginia.
2,036	1,997	39	1,908	369	27,313	4,112	North Carolina.
1,116	1,112	4	799	165	13,032	1,510	South Carolina.
746	733	13	980	141	20,466	1,563	Georgia.
568	425	143	435	25	22,807	537	Florida.
2,777	2,706	71	2,455	1,243	59,820	9,204	**East South Central.**
505	487	18	548	171	17,686	1,887	Kentucky.
937	914	23	748	271	18,284	2,257	Tennessee.
1,270	1,204	6	1,039	797	17,790	5,013	Alabama.
65	41	24	120	4	6,060	47	Mississippi.
3,275	3,123	152	2,703	502	89,947	5,890	**West South Central.**
174	161	13	186	36	8,421	403	Arkansas.
635	598	37	447	143	14,412	1,237	Louisiana.
654	605	49	597	72	20,602	1,071	Oklahoma.
1,812	1,759	53	1,473	311	46,422	3,179	Texas.
3,390	3,329	61	2,857	121	51,159	1,586	**Mountain.**
1,399	1,399	(1)	1,197	11	10,595	112	Montana.
713	704	9	264	21	5,405	141	Idaho.
67	65	2	49	7	2,533	211	Wyoming.
500	466	34	397	17	13,942	326	Colorado.
33	32	1	26	2	1,913	38	New Mexico.
280	279	1	202	46	5,273	539	Arizona.
341	327	14	658	10	9,832	155	Utah.
57	57	(1)	64	7	1,666	64	Nevada.
10,006	8,691	1,325	7,439	1,832	155,020	17,762	**Pacific.**
2,105	1,639	466	1,620	179	25,498	1,394	Washington.
840	810	30	658	48	13,898	354	Oregon.
7,061	6,232	829	5,161	1,605	115,624	16,014	California.

Source: Bureau of the Census, Department of Commerce.

No. 400.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to Table 397]

	Commercial electric stations						Municipal electric stations
	1902	1907	1912	1917	1922	1927	1927
INCOME ACCOUNT							
Income, total	78,736	161,630	279,054	486,634	986,684	1,841,227	122,437
Electric service, total	77,350	156,000	264,475	462,474	936,852	1,680,218	122,437
Commercial and domestic light and power	57,195	122,885	205,974	373,280	773,111	1,424,998	100,649
Municipal lighting	16,130	19,772	27,131	31,462	40,854	66,141	11,058
Sales to other public service corporations	4,025	13,343	30,857	57,207	122,321	189,079	10,730
Value of free service	(1)	(1)	513	525	566	(1)	(1)
Interest and dividends from investments	(1)	(1)	4,869	8,807	16,527	53,959	(1)
Other sources	1,386	5,630	9,710	15,353	33,305	107,050	(1)
Expenses, total	62,835	123,850	217,660	395,127	792,498	1,318,255	(1)
Fuel	10,190	19,825	30,502	78,286	146,323	157,912	
Current purchased	2,007	6,081	16,913	35,733	79,637	143,711	
Supplies, materials, and miscellaneous	14,751	27,897	27,565	48,118	80,492	121,520	
Rent of offices, conduits, etc	1,272	2,884	4,214	9,881	18,626	(2)	
Salaries and wages	18,767	31,935	55,659	86,473	194,148	367,632	
Taxes	2,655	6,346	13,117	20,897	73,128	150,253	
Injuries, damages, insurance	1,074	2,070	3,316	5,145	10,209	(1)	
Interest	12,119	26,842	46,865	71,145	125,596	269,602	
Depreciation	(1)	(1)	17,989	26,202	59,273	107,616	
Sinking and reserve funds	(1)	(1)	1,520	4,157	5,064	(1)	

[1] Not called for on schedule.
[2] No comparable data.

Source: Bureau of the Census, Department of Commerce.

No. 401.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)			
	1914	1923	1925	1927
Combined capacity of prime movers and electric motors using purchased current	22,289	33,092	35,767	38,826
Electric motors operated by prime movers owned by factories	4,038	8,821	10,255	11,207
Estimated capacity of prime movers used to actuate these motors	3,550	6,350	7,380	8,070
Electric motors using purchased current	3,884	13,364	15,865	19,132
Total last two items, "Electrified" equipment	7,434	19,714	23,245	27,202
Per cent of total power equipment	33	60	65	70
Capacity of all prime movers in factories	18,405	19,728	19,902	19,693

Source: Basic figures from Bureau of the Census.

No. 402.—RETAIL PRICES OF ELECTRICITY IN PRINCIPAL CITIES

NOTE.—Net price in cents per kilowatt hour, electricity for household use. For cities having more than one tariff for domestic consumers rates are shown for the schedule or schedules under which most residences are served. "Demand" is a term applied to an amount of current consumption bearing a given ratio to the capacity of consumers' installation as a basis for graduating rates. The method of determination varies from city to city. For example, in Buffalo the lighting demand is 25 per cent of the total installation, but not less than 250 watts. If the capacity of the total installation is 2,000 watts, the "demand" is 25 per cent of this, or 500 watts, and the first 60 hours' use amounts to 30 kilowatt hours and is subject to the first price schedule (5 cents, 1929); the next 120 hours' use (60 kilowatt hours) to the next rate (4 cents), and above 90 kilowatt hours to the excess rate (1½ cents). Measure of consumption as stated in second column refers to tariffs of 1929. For some cities primary and secondary rates applied to somewhat different amounts of current consumption in previous years. For full details see Monthly Labor Review, February, 1930.

City	Measure of consumption per month	December—							
		1913	1923	1924	1925	1926	1927	1928	1929
Atlanta	Service charge								100.0
	First 50 kilowatt hours	7.0	8.1	8.1	8.1	8.1	8.1	8.1	5.0
Baltimore	First 20 hours' use of demand	8.5	8.0	8.0	8.0	8.0	7.0	7.0	6.7
Birmingham	First 100 kilowatt hours	8.5	7.7	7.7	7.7	7.7	7.7	7.7	
	First 5 kilowatt hours for 3 rooms. Each additional room up to 7, 10 cents extra.								80.0
	Next 45 kilowatt hours								5.0
Boston	First 2 kilowatt hours per 100 square feet of floor area.	10.0	9.5	9.5	8.5	8.5	8.5	8.5	8.5
Buffalo	First 60 hours' use of demand	7.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0
	Next 120 hours' use of demand	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Excess	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Chicago	First 3 kilowatt hours per room	10.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0
	Next 3 kilowatt hours per room	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Excess	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Cleveland	Co. A, first 80 kilowatt hours	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Co. B, all current	8.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Columbus	First 50 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0
Dallas	All current	10.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Denver	First 15 kilowatt hours	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0
Detroit	First 3 kilowatt hours per active room; minimum, 3 rooms.	12.6	10.8	10.8	10.8	9.0	9.0	9.0	9.0
	Next 50 kilowatt hours	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Fall River	First 25 kilowatt hours	9.5	9.0	9.0	9.0	8.5	8.5	8.0	8.0
	Next 75 kilowatt hours		8.5	8.5	8.5	7.5	7.5	5.0	5.0
Jacksonville	First 500 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Little Rock	First 200 kilowatt hours	13.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Los Angeles	First 50 kilowatt hours	5.5	5.6	5.6	5.6	5.6	5.0	5.0	5.0
Louisville	First 30 kilowatt hours	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Memphis	First 6 kilowatt hours per room	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Excess		5.0	5.0	5.0	5.0	5.0	5.0	5.0
Newark	First 20 kilowatt hours	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours			8.0	8.0	8.0	8.0	8.0	8.0
New Haven	All current	9.0	7.5	7.0	6.5	6.5	6.0	5.5	5.5
New Orleans	First 20 kilowatt hours	13.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Next 30 kilowatt hours	6.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
New York	Co. A, first 1,000 kilowatt hours	10.0	7.5	7.4	7.2	7.2	7.3	7.0	7.0
	Co. B, all current	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Co. C, first 60 hours' use of demand.	11.0	8.5	8.3	7.8	7.8	7.3	7.0	7.0
Norfolk	First 100 kilowatt hours	9.0	9.0	9.0	9.0	9.0	8.5	8.5	8.5
Omaha	First 10 kilowatt hours per room	11.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Philadelphia	Co. A, first 12 kilowatt hours	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 30 kilowatt hours		7.0	7.0	7.0	7.0	7.0	7.0	6.0
	Co. B, first 20 kilowatt hours	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours			8.0	8.0	8.0	8.0	8.0	8.0
Pittsburgh	First 10 kilowatt hours	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 20 kilowatt hours		5.5	5.5	5.5	5.5	5.5	5.5	5.5
Providence	All current	10.0	7.0	6.9	6.8	6.9	6.5	6.5	6.5
Richmond	First 100 kilowatt hours	9.0	9.0	9.0	9.0	9.0	8.5	8.5	8.5
Rochester	All current	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
St. Paul	First 3 kilowatt hours per room	9.9	9.9	9.9	9.9	9.5	9.5	8.6	8.6
	Next 3 kilowatt hours per room					7.1	7.1	7.1	7.1
	Excess	6.6	6.6	6.6	6.6	2.9	2.9	2.9	2.9
Salt Lake City	Service charge—consumption of 11 kilowatt hours included.								90.0
	First 250 kilowatt hours	9.0	8.1	8.1	8.1	8.1	8.1	8.1	
	Excess								7.0
San Francisco	Co. A, service charge							40.0	40.0
	First 30 kilowatt hours for 6 rooms, 5 kilowatt hours for each additional room.	7.0	9.0	9.0	9.0	9.0	9.0	5.0	5.0
	Next 140 kilowatt hours		6.0	6.0	6.0	6.0	2.5	4.0	3.5
Scranton	First 150 kilowatt hours	9.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0
Seattle	First 40 kilowatt hours	6.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Washington, D. C.	All current	10.0	10.0	10.0	7.5	7.0	6.3	5.9	5.2

Source: Bureau of Labor Statistics, Department of Labor.

No. 403.—DEVELOPED AND POTENTIAL WATER POWER

NOTE.—**In thousands of horsepower.** Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. The figures for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more.

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1924	January, 1926	January, 1927	January, 1928	January, 1929	January, 1930	90 per cent of the time	50 per cent of the time
Continental U. S.	**7,927**	**9,087**	**11,177**	**11,721**	**12,296**	**13,572**	**13,808**	**38,110**	**59,166**
New England	**1,311**	**1,387**	**1,485**	**1,535**	**1,556**	**1,654**	**1,643**	**988**	**1,976**
Maine	450	473	497	526	537	539	541	536	1,074
New Hampshire	229	236	272	277	278	278	278	186	350
Vermont	130	168	193	200	200	260	260	80	169
Massachusetts	338	344	344	354	362	362	362	106	235
Rhode Island	30	30	30	30	30	30	30	25	40
Connecticut	134	136	148	148	148	184	172	65	110
Middle Atlantic	**1,479**	**1,732**	**1,995**	**2,058**	**2,078**	**2,123**	**2,113**	**4,378**	**6,050**
New York	1,292	1,543	1,750	1,757	1,779	1,814	1,805	4,010	4,960
New Jersey	17	19	19	19	19	19	18	50	90
Pennsylvania	170	170	226	280	280	291	291	313	1,000
East North Central	**739**	**830**	**979**	**1,010**	**1,037**	**1,076**	**1,075**	**742**	**1,426**
Ohio	29	30	29	30	30	30	30	55	166
Indiana	27	29	56	56	57	57	55	45	145
Illinois	85	85	94	94	94	94	95	189	361
Michigan	267	282	352	355	378	378	379	168	274
Wisconsin	331	404	446	474	477	517	517	285	480
West North Central	**444**	**480**	**525**	**533**	**542**	**555**	**551**	**929**	**1,937**
Minnesota	205	212	267	275	270	293	287	203	401
Iowa	173	177	179	180	184	182	181	169	395
Missouri	18	18	21	21	21	21	23	67	152
North Dakota	[1]	[1]	[1]	[1]	[1]	[1]	[1]	82	193
South Dakota	18	18	20	20	20	20	19	121	203
Nebraska	15	20	21	21	24	24	24	183	342
Kansas	15	15	17	17	17	16	16	104	251
South Atlantic	**1,082**	**1,301**	**1,702**	**1,841**	**1,967**	**2,695**	**2,657**	**2,924**	**5,048**
Delaware	3	3	1	1	1	1	1	5	10
Maryland	7	7	38	38	38	416	416	106	238
Dist. of Columbia	1	1	1	1	6	6	6		
Virginia	104	110	139	138	141	140	126	459	812
West Virginia	15	15	21	91	91	91	89	355	980
North Carolina	330	432	538	543	644	814	947	852	1,160
South Carolina	330	358	514	571	574	574	574	555	860
Georgia	286	369	441	449	463	544	473	572	958
Florida	7	7	9	9	8	9	25	20	30
East South Central	**241**	**341**	**745**	**868**	**966**	**1,119**	**1,169**	**1,328**	**2,272**
Kentucky	1	1	34	34	142	142	145	172	280
Tennessee	127	128	174	174	177	177	179	654	882
Alabama	113	211	537	659	646	799	845	472	1,050
Mississippi								30	60
West South Central	**16**	**17**	**32**	**32**	**44**	**47**	**49**	**559**	**1,110**
Arkansas	1	1	16	16	16	16	16	200	300
Louisiana								1	2
Oklahoma	2	2	2	2	2	2	3	70	194
Texas	13	14	14	15	27	29	31	288	614
Mountain	**827**	**881**	**981**	**1,030**	**1,118**	**1,140**	**1,185**	**10,844**	**15,552**
Montana	344	345	376	376	378	393	419	2,550	3,760
Idaho	224	271	319	320	355	358	358	2,122	4,032
Wyoming	8	8	10	10	17	17	19	704	1,182
Colorado	92	88	95	96	95	98	98	873	1,609
New Mexico	1	1	2	2	2	2	2	116	186
Arizona	30	30	49	59	104	104	120	2,759	2,887
Utah	106	115	115	153	153	154	156	1,420	1,586
Nevada	13	14	14	13	13	14	14	300	370
Pacific	**1,789**	**2,139**	**2,738**	**2,815**	**2,988**	**3,263**	**3,305**	**15,413**	**23,783**
Washington	454	480	656	657	707	747	766	7,145	11,225
Oregon	185	207	242	242	289	289	299	3,665	5,894
California	1,149	1,452	1,835	1,917	1,993	2,227	2,301	4,603	6,674
Outlying areas:									
Alaska		40	[2] 40	[2] 40	[2] 40	32	36	1,000	2,500
Hawaii		25	32	32	32	32	32	19	28
Porto Rico		15	[2] 15	[2] 15	[2] 15	[2] 15	[2] 15	100	200

[1] Less than 500.
[2] Capacity in 1925; data for subsequent years not available.
Source: Geological Survey, Department of the Interior.

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 404.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 to 1928 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Mileage data in most cases refer to calendar years; there are, however, exceptions in several States. Data relate to continental United States only, except as noted

Item	1921	1923	1925	1926	1927	1928
Mileage at end of year:						
All types	2,941,294	2,995,727	3,006,082	3,000,190	3,013,584	3,016,281
Earth roads	2,553,534	2,556,386	2,484,822	2,450,126	2,424,862	2,390,144
Surfaced roads	387,760	439,341	521,260	550,064	588,721	626,137
Sand-clay, gravel, etc.	263,238	290,143	360,518	405,917	433,533	458,982
Macadam	87,609	100,805	106,432	85,738	90,273	94,749
Sheet asphalt and concrete	22,190	33,983	48,507	53,202	59,885	67,309
Block pavements	[1] 14,723	[1] 14,409	5,803	5,206	5,030	5,007
Mileage built during year:						
All types	110,976	76,238	73,776	116,413	86,454	74,783
Earth roads	69,804	39,895	31,873	60,059	33,031	24,318
Surfaced roads	41,172	36,343	41,903	56,353	53,424	50,465
Sand-clay, gravel, etc.	29,019	22,641	28,784	41,079	38,556	34,562
Macadam	5,413	6,665	6,060	8,368	7,484	7,617
Sheet asphalt and concrete	6,037	6,626	5,798	6,040	7,246	8,148
Block pavements	[2] 703	[2] 410	252	267	138	138
Mileage of State highway systems at end of year: [3]						
All types		251,611	274,911	287,928	293,353	306,442
Earth roads		140,211	130,057	124,869	116,786	113,304
Surfaced roads		111,400	144,854	163,059	176,566	193,138
Sand-clay, gravel, etc.		58,909	79,796	90,682	98,075	106,623
Macadam		27,151	28,814	31,356	31,248	33,342
Sheet asphalt and concrete		22,475	33,059	37,042	43,313	49,847
Block pavements		2,865	3,185	3,380	3,330	3,326
Mileage of State highway systems built during year: [3]						
All types		20,311	23,152	27,337	26,722	29,252
Earth roads		5,814	5,316	7,060	7,151	8,075
Surfaced roads		14,490	17,836	20,327	19,572	20,577
Sand-clay, gravel, etc.		7,852	10,005	13,073	11,132	10,823
Macadam		2,007	2,144	2,258	2,812	2,985
Sheet asphalt and concrete		4,389	5,540	4,859	5,559	6,653
Block pavements		[4] 248	146	137	69	116
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total	1,149,438	1,199,432	1,560,994	1,740,390	1,941,221	2,043,711
Proceeds of bonds	433,109	216,969	285,815	272,422	272,060	271,706
Federal aid [5]	79,333	72,343	92,180	79,163	80,460	80,798
Motor vehicle fees and gasoline taxes	122,026	202,804	360,553	436,449	516,774	597,511
Other taxes and appropriations	415,680	416,038	467,705	491,194	527,477	553,186
All other sources	93,689	291,278	354,741	461,162	544,451	540,510
Expenditures for rural roads and bridges (1,000 dollars):						
All roads, by all authorities	1,036,588	996,751	1,288,940	1,300,546	1,448,121	1,659,392
Construction	626,905	518,293	651,933	616,941	689,219	[6] 818,609
Maintenance	248,593	255,808	315,877	338,853	376,754	[6] 418,632
Principal and interest of bonds	89,281	45,914	176,415	213,325	244,886	247,742
Equipment and miscellaneous	71,748	166,677	144,715	131,427	137,263	174,709
By or under supervision of State highway departments, incl. Federal aid	413,242	447,302	649,125	621,744	699,875	827,550
Highway construction under Federal aid: [7]						
Completed mileage end of year		27,212	52,016	56,717	64,620	76,075
Projects under construction—						
Miles		18,648	10,978	14,581	13,433	9,216
Total cost (1,000 dollars)		356,550	264,113	365,730	353,497	230,649
Federal aid (1,000 dollars)		164,389	111,284	151,490	145,627	91,343
Projects approved for construction—						
Miles	1,839	2,109	1,794	1,575	1,413	1,598
Total cost (1,000 dollars)	48,609	42,360	44,638	40,299	34,751	32,434
Federal aid (1,000 dollars)	19,262	16,618	15,356	13,921	12,896	12,819
Federal-aid fund available for new projects (1,000 dollars)		70,636	119,771	113,070	110,803	101,372

[1] Includes miscellaneous roads, as follows: 1921, 11,303 miles; 1923, 9,975 miles.
[2] Includes miscellaneous roads, as follows: 1921, 368 miles; 1923, 46 miles.
[3] Data for total United States not compiled in 1921.
[4] Includes 16 miles miscellaneous roads.
[5] For road and bridge purposes under supervision of State highway department only.
[6] Data included for State highways includes pro rata share of administration, engineering, materials, and supplies formerly included with "Equipment and miscellaneous."
[7] Includes data for Hawaii, as follows: Federal-aid fund available for new projects, beginning 1924; projects under construction (all items), beginning 1925; completed mileage, beginning 1926.

Source: Bureau of Public Roads, Department of Agriculture.

No. 405.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Lack of definite information in the earlier years accounts for the fact that in some of the States the total road mileage reported is considerably greater than in the preceding year shown, while mileage of surfaced roads is less. Figures include county and township roads and also State highway systems

Division and State	All types					Surfaced roads				
	1904	1914	1921	1927	1928	1904	1914	1921	1927	1928
Continental U. S.	2, 151, 379	2, 445, 761	2, 941, 294	3, 013, 584	3, 016, 281	153, 530	257, 292	387, 760	588, 721	626, 137
New England	88, 706	86, 718	83, 295	83, 936	83, 646	16, 797	18, 038	17, 725	24, 631	25, 919
Maine	25, 528	23, 537	21, 483	21, 002	21, 002	2, 324	2, 762	2, 953	4, 832	5, 293
New Hampshire	15, 116	14, 020	13, 841	12, 025	12, 028	1, 293	1, 660	1, 692	2, 391	2, 546
Vermont	14, 521	14, 249	14, 677	15, 036	15, 041	1, 954	1, 442	3, 545	4, 691	4, 857
Massachusetts	17, 092	18, 681	18, 868	19, 348	18, 941	7, 844	8, 506	6, 575	8, 485	8, 783
Rhode Island	2, 361	2, 170	2, 274	2, 538	2, 599	1, 022	693	754	853	990
Connecticut	14, 088	14, 061	12, 152	13, 987	14, 035	2, 360	2, 975	2, 206	3, 379	3, 450
Middle Atlantic	188, 417	185, 771	186, 935	187, 407	187, 825	10, 469	31, 516	38, 948	62, 071	64, 748
New York	73, 798	79, 398	81, 878	79, 489	80, 107	5, 876	15, 636	18, 566	29, 481	31, 113
New Jersey	14, 842	14, 817	14, 066	16, 677	17, 022	2, 422	5, 897	6, 459	8, 057	8, 734
Pennsylvania	99, 777	91, 556	90, 991	91, 241	90, 696	2, 161	9, 983	13, 921	24, 533	24, 901
East North Central	364, 775	405, 245	412, 753	416, 526	418, 531	72, 920	94, 365	124, 298	160, 664	168, 210
Ohio	69, 439	86, 354	84, 219	84, 753	84, 999	23, 460	30, 569	36, 068	43, 977	46, 245
Indiana	68, 306	73, 347	76, 246	73, 609	73, 609	23, 877	30, 962	39, 857	50, 284	50, 995
Illinois	94, 141	95, 647	96, 326	97, 620	97, 619	7, 924	11, 606	11, 473	18, 118	20, 032
Michigan	69, 296	74, 190	77, 283	81, 016	81, 015	7, 026	7, 829	17, 186	22, 493	24, 167
Wisconsin	63, 593	75, 707	78, 679	79, 528	81, 289	10, 633	13, 399	19, 714	25, 792	26, 771
West North Central	589, 190	650, 058	759, 320	774, 637	778, 016	11, 304	14, 968	30, 223	69, 989	78, 762
Minnesota	79, 324	93, 517	107, 103	110, 249	110, 447	6, 248	3, 968	16, 905	32, 399	34, 223
Iowa	102, 448	104, 074	104, 082	103, 634	103, 707	1, 664	615	2, 585	11, 811	15, 191
Missouri	108, 133	96, 041	111, 520	110, 547	110, 592	2, 733	6, 713	7, 879	11, 739	12, 319
North Dakota	59, 332	68, 796	106, 523	106, 794	106, 839	212	955	710	2, 366	2, 953
South Dakota	59, 295	96, 306	115, 485	120, 265	120, 274	151	363	548	4, 087	4, 840
Nebraska	79, 462	80, 272	86, 556	93, 902	93, 912	23	1, 205	496	3, 979	4, 651
Kansas	101, 196	111, 052	128, 551	129, 246	132, 245	273	1, 149	1, 100	3, 608	4, 585
South Atlantic	263, 933	297, 193	365, 567	366, 545	370, 928	9, 147	32, 154	61, 178	89, 541	95, 384
Delaware	3, 000	3, 674	3, 933	3, 796	3, 797	66	244	448	927	1, 094
Maryland	16, 773	16, 459	14, 772	14, 711	14, 735	1, 670	2, 489	3, 663	5, 307	5, 493
Virginia	51, 812	53, 388	59, 080	57, 535	59, 098	1, 600	3, 910	7, 260	11, 192	11, 897
West Virginia	26, 178	32, 024	35, 173	34, 799	34, 799	254	1, 065	1, 367	3, 713	3, 917
North Carolina	49, 763	50, 758	68, 204	71, 530	71, 529	1, 259	6, 004	16, 755	27, 811	28, 345
South Carolina	41, 830	42, 226	61, 850	56, 129	57, 093	1, 878	3, 270	6, 908	13, 841	16, 648
Georgia	57, 203	80, 669	94, 912	98, 462	99, 537	1, 634	12, 342	18, 339	13, 015	13, 972
Florida	17, 374	17, 995	27, 643	29, 583	29, 740	886	2, 830	6, 438	13, 735	14, 018
East South Central	194, 913	205, 191	242, 745	246, 232	250, 590	15, 640	27, 626	41, 478	58, 931	61, 187
Kentucky	57, 137	57, 916	68, 704	61, 261	61, 261	9, 486	12, 403	15, 436	15, 619	16, 130
Tennessee	48, 989	46, 050	62, 546	64, 490	65, 063	4, 285	8, 102	9, 878	12, 521	13, 538
Alabama	50, 089	55, 446	58, 410	63, 709	66, 594	1, 720	4, 988	10, 420	18, 204	17, 370
Mississippi	38, 698	45, 779	53, 085	56, 775	57, 672	149	2, 133	5, 744	12, 587	14, 149
West South Central	226, 305	312, 182	416, 617	419, 856	419, 441	2, 398	13, 815	23, 986	42, 187	46, 436
Arkansas	36, 445	50, 743	74, 866	74, 545	74, 757	236	1, 098	3, 871	6, 269	6, 779
Louisiana	24, 897	24, 563	39, 803	33, 120	35, 493	34	2, 068	2, 771	9, 501	10, 731
Oklahoma	43, 554	107, 916	[1] 134, 263	123, 627	120, 027	------	122	2, 461	3, 300	3, 711
Texas	121, 409	128, 960	167, 685	188, 564	188, 564	2, 128	10, 527	14, 883	23, 117	25, 215
Mountain	122, 231	163, 117	306, 382	334, 795	332, 172	1, 499	4, 881	15, 539	28, 574	32, 010
Montana	22, 419	39, 204	64, 732	66, 831	66, 931	65	609	1, 772	2, 799	3, 178
Idaho	18, 163	24, 306	31, 099	37, 349	39, 093	212	679	2, 982	7, 940	8, 437
Wyoming	10, 447	14, 797	46, 528	45, 328	41, 183	153	468	440	1, 361	1, 604
Colorado	30, 214	39, 780	48, 143	68, 279	68, 305	178	1, 194	4, 598	6, 383	6, 952
New Mexico	15, 326	11, 873	45, 549	48, 217	48, 332	2	262	1, 802	2, 144	2, 361
Arizona	5, 987	12, 075	21, 227	21, 666	21, 849	217	253	1, 233	3, 150	3, 421
Utah	7, 090	8, 810	23, 047	23, 416	23, 437	608	1, 154	2, 544	3, 001	3, 996
Nevada	12, 585	12, 182	26, 057	23, 659	23, 042	64	262	168	1, 796	2, 011
Pacific	112, 909	140, 286	167, 180	183, 649	175, 132	13, 368	19, 928	34, 387	52, 135	53, 481
Washington	31, 998	42, 428	45, 816	46, 835	43, 895	1, 976	4, 922	12, 062	16, 655	16, 406
Oregon	34, 258	36, 819	45, 475	51, 058	51, 633	2, 589	4, 726	8, 050	11, 815	11, 995
California	46, 653	61, 039	75, 889	85, 156	79, 604	8, 803	10, 280	14, 275	23, 665	25, 080

[1] Includes about 26,000 miles of section lines declared public highways by law but which are not open or general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

No. 406.—RURAL ROAD MILEAGE AS OF DECEMBER 31, 1928, AND CONSTRUCTION OF ROADS DURING 1926, 1927, AND 1928

NOTE.—Figures include county and township roads and also State highway systems

Division and State	Existing mileage, end of year 1928							Mileage graded and drained and mileage surfaced during—		
	Total, all types	Earth roads	Surfaced roads					1926 [1]	1927 [1]	1928 [1]
			Total	Sand-clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements			
Continental U.S.	**3,016,281**	**2,390,144**	**626,137**	**458,962**	**94,749**	**67,399**	**5,007**	**116,413**	**86,454**	**74,783**
New England	**83,646**	**57,727**	**25,919**	**18,088**	**5,690**	**2,143**	**18**	**1,343**	**1,554**	**2,006**
Maine	21,002	15,709	5,293	4,920	270	103	-------	187	449	498
New Hampshire	12,028	9,482	2,546	2,107	312	127	-------	214	179	223
Vermont	15,041	10,184	4,857	4,585	118	154	-------	301	306	219
Massachusetts	18,941	10,158	8,783	4,877	3,005	889	12	255	387	684
Rhode Island	2,599	1,609	990	271	482	234	3	84	88	181
Connecticut	14,035	10,585	3,450	1,308	1,503	636	3	302	145	201
Middle Atlantic	**187,825**	**123,077**	**64,748**	**24,511**	**25,301**	**13,755**	**1,181**	**5,239**	**4,339**	**3,814**
New York	80,107	48,994	31,113	7,181	18,254	5,405	273	2,743	2,166	2,033
New Jersey	17,022	8,288	8,734	3,959	1,930	2,738	107	557	534	940
Pennsylvania	90,696	65,795	24,901	13,371	5,117	5,612	801	1,939	1,639	[2] 841
East North Central	**418,531**	**250,321**	**168,210**	**127,047**	**18,991**	**19,998**	**2,174**	**18,296**	**17,795**	**13,999**
Ohio	84,999	38,754	46,245	30,242	11,531	2,786	1,686	6,268	4,175	3,226
Indiana	73,609	22,614	50,995	44,571	3,152	3,039	233	1,329	1,351	1,524
Illinois	97,619	77,587	20,032	11,828	535	7,432	237	1,181	1,367	2,120
Michigan	81,015	56,848	24,167	18,072	2,249	3,830	16	1,408	1,494	2,050
Wisconsin	81,289	54,518	26,771	22,334	1,524	2,911	2	8,110	9,408	5,079
West North Central	**778,018**	**699,254**	**78,782**	**71,006**	**1,853**	**5,592**	**311**	**31,163**	**23,711**	**20,577**
Minnesota	110,447	76,224	34,223	32,938	110	1,151	24	10,694	5,803	5,030
Iowa	103,707	88,516	15,191	13,430	-------	1,728	33	2,900	3,699	4,493
Missouri	110,592	98,273	12,319	8,987	1,467	1,844	21	2,012	1,980	1,379
North Dakota	106,339	103,886	2,953	2,943	-------	10	-------	2,093	1,152	1,366
South Dakota	120,274	115,434	4,840	4,825	6	9	-------	5,967	6,113	2,943
Nebraska	93,912	89,261	4,651	4,443	6	149	53	4,052	3,416	2,437
Kansas	132,245	127,660	4,585	3,440	264	701	180	2,850	2,448	2,929
South Atlantic	**370,928**	**275,544**	**95,384**	**67,740**	**16,298**	**10,269**	**1,077**	**13,122**	**11,998**	**10,080**
Delaware	3,797	2,703	1,094	174	249	663	8	97	52	264
Maryland	14,735	9,242	5,493	2,171	2,085	1,236	1	346	366	347
Virginia	59,698	47,801	11,897	7,514	3,569	814	-------	1,102	950	649
West Virginia	34,799	30,882	3,917	1,194	[3] 1,576	938	209	1,131	1,108	1,271
North Carolina	71,529	[4] 43,184	28,345	23,600	1,218	3,461	66	3,428	2,629	1,531
South Carolina	57,093	40,445	16,648	15,757	62	826	3	1,917	1,318	2,475
Georgia	99,537	85,565	13,972	12,232	771	966	3	2,057	2,549	966
Florida	29,740	15,722	14,018	5,098	6,768	1,365	787	3,046	2,966	2,583
East South Central	**250,590**	**189,408**	**61,187**	**43,522**	**15,592**	**2,015**	**58**	**7,788**	**6,409**	**5,782**
Kentucky	61,261	45,131	16,130	6,033	9,726	345	26	1,036	1,703	1,637
Tennessee	65,003	51,525	13,538	7,569	5,310	658	1	1,497	2,143	1,259
Alabama	66,594	49,224	17,370	16,492	416	456	6	2,990	1,159	1,097
Mississippi	57,672	43,523	14,149	13,428	140	556	25	2,265	1,404	1,789
West South Central	**419,441**	**373,005**	**46,436**	**39,003**	**3,848**	**3,453**	**134**	**25,089**	**6,320**	**7,640**
Arkansas	74,757	67,978	6,779	5,876	368	535	-------	4,172	1,155	1,843
Louisiana	35,493	24,762	10,731	10,502	32	182	15	2,399	1,914	763
Oklahoma	120,627	116,916	3,711	2,532	13	1,130	36	6,700	1,233	1,298
Texas	188,564	163,349	25,215	20,093	3,433	1,606	83	11,818	2,018	3,736
Mountain	**332,172**	**300,162**	**32,010**	**30,012**	**302**	**1,696**	-------	**4,735**	**4,799**	**6,813**
Montana	66,931	63,753	3,178	3,125	9	44	-------	4,451	281	622
Idaho	39,093	30,606	8,487	8,208	40	239	-------	1,125	1,598	1,721
Wyoming	41,183	39,579	1,604	1,565	-------	39	-------	766	464	650
Colorado	68,305	61,353	6,952	6,603	-------	349	-------	1,211	765	602
New Mexico	48,332	45,971	2,361	2,287	-------	74	-------	570	804	1,006
Arizona	21,849	18,428	3,421	2,850	25	546	-------	353	236	612
Utah	23,437	19,441	3,996	3,509	75	352	-------	885	372	1,052
Nevada	23,042	21,031	2,011	1,805	153	53	-------	374	219	488
Pacific	**175,132**	**121,651**	**53,481**	**38,073**	**6,876**	**8,478**	**54**	**4,633**	**9,531**	**4,066**
Washington	43,895	27,489	16,406	12,983	1,780	1,589	54	1,358	3,367	439
Oregon	51,633	39,638	11,995	9,361	1,221	1,413	-------	1,840	475	533
California	79,604	[5] 54,524	25,080	[5] 15,729	[6] 3,875	5,476	-------	1,429	5,689	3,094

[1] Surfaced mileage includes both new surfacing and reconstructed surfacing.
[2] Data included for State highway systems are for 4½ months only, January 1 to May 15, as fiscal year was changed to end May 15.
[3] Includes 48 miles of Kentucky rock asphalt. [4] Includes 108 miles of sand asphalt.
[5] Data included in earth roads, sand-clay, gravel, etc., and macadam for State highway systems are approximate as these classes are reported together by the State.

Source: Bureau of Public Roads, Department of Agriculture.

No. 407.—ROAD MILEAGE IN STATE HIGHWAY SYSTEMS AS OF DECEMBER 31, 1928

NOTE.—These statistics relate only to highways maintained wholly or in part by State governments, not including those maintained only by county or local governments

Division and State	Total, all types	Earth roads	Surfaced roads				
			Total	Sand-clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements
Continental United States	306,442	113,304	193,138	106,623	33,342	49,847	3,326
New England	13,000	1,774	11,226	6,647	2,969	1,606	4
Maine	1,911	230	1,681	1,339	242	100	
New Hampshire	2,365	201	2,164	1,759	279	126	
Vermont	4,204	820	3,384	3,116	117	151	
Massachusetts	1,587	8	1,579	91	1,016	469	.3
Rhode Island	920	408	512	23	273	216	
Connecticut [1]	2,013	107	1,906	319	1,042	544	1
Middle Atlantic	29,068	7,660	21,408	1,925	8,625	10,151	707
New York	13,917	3,356	10,561	126	5,782	4,380	273
New Jersey	1,821	140	1,681	286	161	1,183	51
Pennsylvania [2]	13,330	4,164	9,166	1,513	2,682	4,588	383
East North Central	43,286	6,538	36,753	14,398	5,892	14,826	1,637
Ohio	[3] 10,953	456	10,497	3,837	3,212	2,025	1,423
Indiana	4,610	18	4,592	1,580	1,301	1,629	82
Illinois	9,889	3,637	6,252		5	6,128	119
Michigan	7,613	843	6,770	3,575	697	2,487	11
Wisconsin	10,221	1,579	8,642	5,406	677	2,557	2
West North Central	51,541	23,222	28,319	22,510	259	5,243	307
Minnesota	6,947	331	6,616	5,570		1,013	24
Iowa	7,184	2,013	5,171	3,423		1,715	33
Missouri	7,527	3,259	4,268	2,420	94	1,733	21
North Dakota	7,205	4,960	2,245	2,235		10	
South Dakota	5,975	2,562	3,413	3,398	6	9	
Nebraska	8,012	4,135	3,877	3,715		111	51
Kansas	8,601	5,962	2,729	1,740	159	652	178
South Atlantic	39,725	11,195	28,530	13,049	6,746	8,256	479
Delaware	703		703	23	34	639	7
Maryland [4]	2,656		2,656	308	1,131	1,126	1
Virginia	6,932	2,210	4,722	2,124	1,919	679	
West Virginia	3,320	1,428	2,392	703	[5] 872	676	141
North Carolina	7,137	[6] 747	6,390	2,611	663	3,075	41
South Carolina	5,810	1,153	4,657	3,851	49	757	
Georgia	6,253	2,477	3,776	2,616	445	714	1
Florida	6,414	3,180	3,234	723	1,633	590	288
East South Central	29,899	12,952	16,947	10,442	4,818	1,641	46
Kentucky	11,500	6,363	5,137	1,969	2,826	316	26
Tennessee [1]	5,870	1,336	4,534	2,133	1,821	580	
Alabama [4]	5,590	2,850	2,740	2,268	109	363	
Mississippi	6,939	2,403	4,536	4,072	62	382	20
West South Central	42,841	18,694	23,947	17,452	3,257	3,104	134
Arkansas	8,718	3,802	4,916	4,072	315	529	
Louisiana	9,053	2,766	6,287	6,082	16	174	15
Oklahoma	6,142	4,147	1,995	939		1,020	36
Texas	18,728	7,979	10,749	6,359	2,926	1,381	83
Mountain	43,080	27,223	15,857	14,383	246	1,228	
Montana	8,007	6,653	1,354	1,305	5	44	
Idaho	4,259	1,887	2,372	2,158	21	193	
Wyoming	3,115	1,809	1,306	1,267		39	
Colorado	9,120	4,965	4,155	3,812		343	
New Mexico	9,354	7,344	2,010	1,936		74	
Arizona	2,213	627	1,586	1,383		203	
Utah	3,458	1,815	1,643	1,291	73	279	
Nevada	3,554	2,123	1,431	1,231	147	53	
Pacific	14,202	4,051	10,151	5,817	530	3,792	12
Washington	3,202	528	2,734	1,983	32	707	12
Oregon	4,368	878	3,490	2,483	112	895	
California	6,572	[7] 2,645	3,927	[7] 1,351	[7] 386	2,190	

[1] Mileage as of June 30, 1928.
[2] Mileage as of May 15, 1928.
[3] Decrease in total mileage owing to annexation by extension of corporate limits.
[4] Mileage as of Sept. 30, 1928.
[5] Includes 48 miles of Kentucky rock asphalt.
[6] Includes 108 miles of sand asphalt.
[7] Approximate, as improved earth, sand-clay, gravel, and macadam were reported together by State.

Source: Bureau of Public Roads, Department of Agriculture.

No. 408.—CONSTRUCTION OF ROADS IN STATE HIGHWAY SYSTEMS DURING 1927 AND 1928

NOTE.—Highways under control of State highway departments only. Data are for the calendar year except as noted

Division and State	Mileage built during 1928								Mileage built during 1927	
	Total, all types	Earth, improved, graded, and drained	Surfaced roads						Total, all types	Surfaced roads
			Total	New	Reconstructed	Sand-clay and gravel	Macadam	Paved		
Continental U. S.	29,252	8,675	20,577	17,430	3,147	10,823	2,985	6,769	26,722	19,572
New England	321	2	319	731	88	301	274	244	628	626
Maine	108		108	95	13	75	15	18	85	85
New Hampshire	148	2	146	136	10	95	17	34	152	151
Vermont	183		183	176	7	120	5	52	156	156
Massachusetts [1]	149		149	112	37	1	115	33	73	73
Rhode Island	49		49	49			33	16	40	40
Connecticut [2]	184		184	163	21	4	89	91	120	120
Middle Atlantic	867	42	825	765	60	26	63	736	1,524	1,498
New York	743	38	705	655	50	22	54	629	725	697
New Jersey	94	4	90	83	7	3	1	86	119	111
Pennsylvania [3]	30		30	27	3	1	8	21	680	680
East North Central	4,524	708	3,816	2,946	870	1,214	394	2,208	4,121	3,990
Ohio	928	73	855	791	64	403	151	301	1,063	1,007
Indiana	659	245	414	353	61	80	99	235	538	513
Illinois	1,344	274	1,070	1,070				1,070	612	521
Michigan	763	85	678	464	214	228	36	419	336	313
Wisconsin	830	31	799	268	531	508	108	183	1,572	1,536
West North Central	7,643	2,818	4,825	3,947	878	3,702	14	1,109	7,759	5,022
Minnesota	1,243	204	1,039	314	725	936		103	1,106	757
Iowa	1,345	307	1,038	1,038		298		740	1,211	997
Missouri	571	216	355	355		215		140	537	537
North Dakota	1,230	559	671	518	153	671			1,072	487
South Dakota	812	280	532	532		520	6	6	852	404
Nebraska	667	213	444	444		443		1	1,630	1,136
Kansas	1,785	1,039	746	746		619	8	119	1,351	644
South Atlantic	3,183	774	2,409	2,194	215	779	534	1,096	4,774	3,745
Delaware	61		61	60	1		1	60	39	39
Maryland [4]	149		149	133	16	24	13	112	103	103
Virginia	217	63	154	154		32	57	65	235	221
West Virginia	368	164	204	204		62	92	50	735	495
North Carolina [5]	453		453	447	6	60	90	303	1,109	795
South Carolina	656	73	583	426	157	274		309	613	555
Georgia	709	152	557	522	35	316	128	113	927	775
Florida	570	322	248	248		11	153	84	1,013	762
East South Central	2,563	882	1,731	1,580	151	808	548	375	2,186	1,390
Kentucky [2]	1,021	434	587	526	61	166	362	59	1,079	654
Tennessee [5]	516	196	320	280	40	80	158	82	389	255
Alabama [4]	660	79	581	533	48	405	27	149	441	303
Mississippi	366	123	243	241	2	157	1	85	257	178
West South Central	4,915	2,024	2,891	2,863	28	1,315	883	693	3,070	1,595
Arkansas	1,073	934	739	734	5	684	5	50	940	290
Louisiana	288	46	242	219	23	223		19	612	504
Oklahoma	598	396	202	202				202	555	168
Texas	2,356	648	1,708	1,708		108	878	422	963	573
Mountain	3,466	1,248	2,218	1,727	491	1,970	151	97	1,952	1,263
Montana	322	38	284	280	4	277		7	136	118
Idaho	701	90	611	247	364	601	5	5	457	429
Wyoming	586	278	308	273	35	308			208	115
Colorado	146	8	138	138		77		61	142	88
New Mexico	1,052	788	264	217	47	262		2	656	177
Arizona	135	10	125	112	13	113		12	66	49
Utah	305	28	277	268	9	228	39	10	169	169
Nevada	219	8	211	192	19	104	107		118	118
Pacific	1,270	227	1,043	677	366	708	124	211	732	556
Washington	230	102	137	86	51	88		49	212	114
Oregon	333	70	263	177	86	159	104		287	209
California	698	55	643	414	229	461	20	162	233	233

[1] Data for 1927 cover year ended Nov. 30; 1928 data cover period Dec. 1, 1927, to Dec. 31, 1928.
[2] Data for 1927 cover year ended June 30; 1928 data cover period July 1, 1927 to Dec. 31, 1928.
[3] Data for 1928 cover 4½ months only, Jan. 1 to May 15, as fiscal year was changed to end May 15.
[4] Data for 1927 cover year ended Sept. 30; 1928 data cover period Oct. 1, 1927, to Dec. 31, 1928.
[5] Data for 1927 cover period Jan. 1 to June 30; 1928 data cover period July 1, 1927, to Dec. 31, 1928.

Source: Bureau of Public Roads, Department of Agriculture.

No. 409.—EXPENDITURES FOR RURAL HIGHWAYS BY OR UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include expenditures, whether from current revenues or the proceeds of loans, for construction, maintenance, and interest and principal payments on highway bonds.

Division and State	Year in which first State aid law passed	1914	1919	1921	1923	1924	1925	1926	1927	1928
		Thousands of dollars								
Continental U. S.		24,221	106,861	413,242	447,362	605,665	649,125	621,744	699,875	827,550
New England		2,967	11,046	26,758	31,503	38,339	39,289	45,178	51,735	59,811
Maine	1901	467	1,739	7,372	6,149	6,960	7,105	10,279	8,684	[1] 11,052
New Hampshire	1903	492	1,361	2,360	2,993	3,848	4,027	3,017	3,565	5,553
Vermont	1898	458	901	951	2,880	2,832	3,618	3,713	4,080	5,762
Massachusetts	1892	243	3,620	7,864	10,514	13,240	12,881	13,794	18,380	16,478
Rhode Island	1902		1,132	2,213	2,052	2,770	3,046	3,871	4,242	4,548
Connecticut	1895	1,307	2,293	5,998	6,915	8,600	8,612	10,504	12,784	16,419
Middle Atlantic		11,827	36,754	101,477	73,316	112,079	135,603	117,072	136,625	151,598
New York	1898	8,544	13,714	36,857	38,128	42,258	49,369	41,781	58,798	62,503
New Jersey	1891	1,307	6,320	15,608	12,032	21,488	23,939	24,378	27,763	32,479
Pennsylvania	1903	1,977	16,719	49,012	23,156	48,333	62,294	*50,913*	50,064	*56,616*
East North Central		4,383	16,717	68,512	76,834	116,002	118,903	104,321	106,712	160,563
Ohio	1904	1,855	4,604	15,547	12,876	27,080	24,086	*29,496*	*18,214*	*33,953*
Indiana	1917		401	8,110	9,276	14,920	14,518	12,429	14,798	16,544
Illinois	1905	388	4,404	15,693	30,994	40,851	36,376	24,267	30,270	53,472
Michigan	1905	657	4,246	16,744	15,586	24,270	36,139	25,998	25,883	36,578
Wisconsin	1911	1,482	3,063	12,417	8,102	8,882	7,785	12,131	17,547	20,017
West North Central		1,670	5,686	47,144	64,700	81,663	84,876	88,723	101,852	104,993
Minnesota	1905	1,310	2,691	7,480	10,853	16,762	17,963	17,979	17,837	18,412
Iowa	1904	74	614	18,276	17,980	17,911	14,108	15,272	24,077	37,255
Missouri	1907	277	684	4,727	19,589	26,107	31,594	30,841	25,996	18,981
North Dakota	1909		233	1,030	1,082	21,844	1,862	*1,978*	4,567	3,504
South Dakota	1911		319	4,738	2,466	[2] 5,596	6,378	5,843	4,862	5,893
Nebraska	1911		1,098	4,836	*5,775*	6,804	5,564	7,639	8,004	6,984
Kansas	1911	9	48	6,058	6,955	6,639	7,407	9,171	16,509	13,904
South Atlantic		916	7,217	51,181	79,792	99,992	103,836	113,651	133,328	121,189
Delaware	1903	31	1,147	3,765	3,748	3,658	3,493	3,469	3,480	3,377
Maryland	1898	357	2,237	7,616	7,762	12,728	12,025	*10,598*	[3] *10,598*	*10,668*
Virginia	1906	524	2,262	7,114	9,849	14,611	14,072	12,014	14,714	14,448
West Virginia	1909		480	1,877	15,665	14,124	16,139	17,492	19,311	16,224
North Carolina	1901	*5*	1,010	15,100	28,148	34,733	32,589	*37,216*	*33,144*	28,301
South Carolina	1917		80	3,941	4,522	5,887	9,133	9,640	13,410	21,099
Georgia	1908			9,664	5,475	7,301	7,902	9,565	15,114	12,728
Florida	1915		[4]	2,103	4,623	6,949	8,484	*13,657*	*23,567*	*14,343*
East South Central		188	1,826	16,621	19,588	36,975	45,008	38,845	44,734	60,329
Kentucky	1912	18	926	5,757	6,437	15,470	*14,916*	*9,820*	*11,484*	[5] *14,766*
Tennessee	1915		794	6,328	4,158	8,405	14,379	14,037	16,003	19,172
Alabama	1911	170	65	1,036	5,117	7,779	10,917	10,290	10,706	20,110
Mississippi	1915		40	3,500	2,876	5,321	4,795	4,698	6,481	6,281
West South Central		278	3,360	33,952	40,029	51,925	52,733	50,205	53,119	84,901
Arkansas	1913	115	585	7,055	11,924	11,214	11,200	*9,563*	*14,532*	*31,784*
Louisiana	1910	161	[4]	5,347	6,082	8,843	8,611	10,563	10,753	11,157
Oklahoma	1911		2,125	4,775	5,731	6,038	12,938	10,420	12,816	13,251
Texas	1917		650	16,775	16,293	25,230	19,985	*19,659*	20,018	28,710
Mountain		638	8,870	28,002	24,747	30,151	27,387	23,810	27,318	35,039
Montana	1913	14	397	3,640	1,454	1,788	*1,267*	*1,155*	*1,541*	*3,863*
Idaho	1905	50	850	4,863	2,534	2,585	3,637	4,191	3,847	5,413
Wyoming	1911		771	3,701	3,877	4,805	3,973	2,974	2,873	3,600
Colorado	1909	301	*1,775*	*4,156*	*5,741*	6,491	*5,565*	*5,850*	*5,232*	*6,957*
New Mexico	1909	116	839	3,713	3,205	4,609	3,323	2,928	5,089	6,603
Arizona	1909		1,451	2,948	2,884	3,071	2,443	*2,565*	*2,608*	*2,443*
Utah	1909	158	2,445	3,391	2,709	3,627	4,124	*2,448*	*3,929*	*3,992*
Nevada	1911		342	1,590	2,343	3,174	3,056	1,699	2,199	2,167
Pacific		1,354	15,386	39,596	37,854	38,541	41,490	39,938	39,450	49,126
Washington	1905	1,343	2,895	9,970	7,169	[6] 7,671	7,846	8,825	8,628	13,893
Oregon	1913	11	5,923	18,246	10,786	[6] 9,360	15,553	10,018	10,263	10,268
California	1895		6,568	11,380	19,899	21,509	18,091	21,095	20,559	24,965

[1] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.
[2] Excludes State bridge fund receipts and disbursements.
[3] Data are for 1926.
[4] Data not available.
[5] Data cover July 1 to Mar. 31, as fiscal year was changed.
[6] Excludes expenditures on forest-aid roads, also on market roads for Oregon.

Source: Bureau of Public Roads, Department of Agriculture.

No. 410.—EXPENDITURES FOR RURAL HIGHWAYS: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS (APPROXIMATE)

NOTE.—All figures in thousands of dollars. For the items entering into the totals see Table 412.

Division and State	1904	1914	1919	1921	1923	1925	1926	1927	1928
Continental U. S.	59,527	240,264	389,456	1,036,588	996,781	1,288,940	1,300,546	1,448,121	1,659,692
New England	7,356	15,436	25,462	45,361	40,361	63,080	69,183	76,440	85,173
Maine	1,472	2,642	4,525	8,702	8,684	11,003	12,923	11,384	[1] 13,852
New Hampshire	873	1,590	2,852	3,699	4,288	5,589	4,968	5,772	9,456
Vermont	567	1,024	2,140	2,150	3,030	4,693	4,706	5,080	6,802
Massachusetts	2,871	6,092	10,225	19,536	12,161	26,881	28,144	33,262	29,962
Rhode Island	377	446	1,847	2,828	2,878	3,894	4,883	5,196	5,550
Connecticut	1,195	3,641	3,844	8,446	9,341	11,021	13,559	15,746	19,550
Middle Atlantic	12,100	40,865	67,990	160,471	130,125	247,348	226,098	258,528	286,673
New York	3,938	23,232	24,448	57,025	52,422	89,383	69,543	98,798	110,940
New Jersey	3,275	7,208	15,320	28,096	20,116	55,470	50,716	54,951	58,300
Pennsylvania	4,887	10,425	28,222	75,350	57,587	102,494	105,839	104,779	117,434
East North Central	15,800	56,445	83,621	267,988	254,123	260,899	251,642	302,045	386,908
Ohio	4,776	14,334	18,213	76,580	62,876	73,626	83,043	80,580	103,564
Indiana	3,438	14,234	18,702	54,502	54,525	49,991	49,810	52,023	58,570
Illinois	3,844	8,735	16,524	39,619	55,451	45,154	50,453	57,931	83,675
Michigan	1,817	9,262	16,525	55,573	37,691	60,847	62,517	66,576	88,101
Wisconsin	1,924	9,880	13,657	41,714	43,580	31,281	35,819	44,935	52,998
West North Central	7,435	33,120	64,779	148,886	152,413	176,603	171,548	197,794	209,624
Minnesota	1,607	6,459	13,223	38,780	35,327	44,352	37,815	41,283	42,576
Iowa	2,344	10,188	16,773	39,325	34,838	33,161	34,521	48,351	62,024
Missouri	1,571	5,513	7,724	16,128	31,177	41,224	41,058	37,172	31,709
North Dakota	456	2,402	6,236	7,247	5,751	6,210	6,340	8,797	7,936
South Dakota	269	1,218	4,244	14,189	10,105	13,056	13,319	11,085	13,923
Nebraska	495	1,796	5,551	10,528	14,246	16,041	15,688	16,909	16,253
Kansas	693	5,544	11,027	22,670	20,969	22,560	22,807	34,197	35,143
South Atlantic	4,530	24,429	35,458	108,657	151,658	192,389	229,594	263,194	244,385
Delaware	91	512	1,904	6,036	5,432	6,161	5,077	5,148	4,887
Maryland	873	6,001	6,965	10,298	12,945	15,553	14,213	14,505	15,656
Virginia	688	3,225	5,140	15,485	18,849	22,578	22,230	25,368	24,540
West Virginia	588	2,484	5,290	10,060	25,665	29,098	32,030	32,681	29,888
North Carolina	624	5,215	6,717	20,324	43,148	46,799	56,618	58,865	57,306
South Carolina	334	1,024	2,435	10,049	9,437	19,652	16,855	19,767	36,116
Georgia	895	3,688	6,917	15,817	16,506	20,940	20,576	29,450	29,199
Florida	437	2,280	[2]	9,588	19,876	31,608	58,995	77,350	46,792
East South Central	2,608	12,755	12,974	51,236	58,860	97,015	81,036	91,418	124,476
Kentucky	1,161	2,475	3,803	12,623	15,647	22,118	16,284	18,383	[3] 24,597
Tennessee	720	2,371	4,468	12,607	14,565	31,124	23,354	27,152	37,798
Alabama	378	3,949	1,812	5,608	14,503	18,860	19,006	21,272	31,535
Mississippi	340	3,960	2,890	20,308	14,147	24,912	22,392	24,611	30,546
West South Central	4,018	15,333	32,524	103,320	78,896	113,210	107,241	119,720	155,625
Arkansas	682	1,523	9,381	21,211	15,484	22,360	18,438	23,432	40,114
Louisiana	345	1,778	[2]	14,022	15,142	18,557	19,910	22,559	23,621
Oklahoma	447	2,113	9,052	14,680	14,196	28,308	24,568	25,541	30,181
Texas	2,544	9,920	14,092	53,907	34,075	43,985	44,325	48,188	61,710
Mountain	1,528	9,454	25,143	58,158	44,220	48,090	42,518	46,388	57,304
Montana	309	2,888	2,583	10,383	4,892	4,520	5,961	6,300	8,943
Idaho	202	1,371	4,300	11,807	5,998	7,597	7,959	8,318	11,747
Wyoming	74	670	1,915	4,725	4,751	4,650	3,872	3,609	4,527
Colorado	635	1,938	4,295	9,049	10,675	10,520	10,829	10,272	11,881
New Mexico	35	556	1,584	4,259	3,659	3,769	3,391	5,581	7,076
Arizona	68	983	4,018	10,648	7,192	4,048	4,359	4,218	4,396
Utah	158	803	5,545	5,175	4,209	7,274	3,793	5,206	5,556
Nevada	47	245	902	2,111	2,844	3,712	2,354	2,878	3,177
Pacific	4,152	32,427	41,505	94,031	85,903	92,306	91,684	92,591	109,624
Washington	1,345	7,945	11,616	24,239	17,239	15,710	18,821	18,322	23,697
Oregon	650	5,310	10,391	27,969	19,901	28,928	23,078	22,973	23,128
California	2,157	19,172	19,497	41,823	48,674	47,668	49,785	51,296	62,698

[1] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.
[2] Data not available.
[3] Data for State highways cover July 1 to Mar. 31, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 411.—FUNDS AVAILABLE FOR RURAL ROAD PURPOSES: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS, 1928

NOTE.—All figures except percentages in thousands of dollars. Funds are those available for the purposes indicated in Table 412

Division and State	Total	Proceeds of bonds		Federal aid post-road funds [1]		Motor vehicle fees and gasoline taxes		Other taxes and appropriations		All other sources [2]	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U.S.	2,043,711	271,708	13.3	80,798	4.0	597,511	29.2	553,186	27.1	540,510	26.4
New England	104,503	6,413	6.1	3,114	3.0	37,926	36.3	28,178	27.0	28,879	27.6
Maine	16,194	914	5.6	241	1.5	5,924	36.6	5,238	32.3	3,877	23.9
New Hampshire	10,791			373	3.5	3,319	30.8	3,810	35.3	3,289	30.5
Vermont	11,045	5,000	45.3	694	6.3	3,005	27.2	1,451	13.1	894	8.1
Massachusetts	31,557	204	.6	966	3.1	12,178	38.6	12,088	38.3	6,121	19.4
Rhode Island	8,729	295	3.4	425	4.9	3,595	41.2	815	9.3	3,598	41.2
Connecticut	26,187			415	1.6	9,904	37.8	4,776	18.2	11,091	42.4
Middle Atlantic	387,370	25,927	6.7	8,188	2.1	98,325	25.4	109,768	28.3	145,163	37.5
New York	159,208			3,635	2.3	25,197	15.8	58,434	36.7	71,942	45.2
New Jersey	60,849	10,425	15.6	732	1.1	23,489	35.1	16,070	24.0	16,132	24.1
Pennsylvania	161,313	15,502	9.6	3,821	2.4	49,639	30.8	35,264	21.9	57,089	35.4
East North Central	448,022	77,843	17.3	15,386	3.4	124,234	27.7	151,019	33.8	80,437	17.9
Ohio	118,846	17,150	14.4	3,347	2.8	31,180	26.2	42,975	36.2	24,193	20.4
Indiana	71,170	11,517	16.2	2,656	3.7	15,512	21.8	27,597	38.8	13,889	19.5
Illinois	80,153	36,354	40.8	4,055	4.5	15,070	16.9	28,544	32.0	5,131	5.8
Michigan	105,938	8,240	7.8	2,369	2.2	44,309	41.8	29,394	27.7	21,627	20.4
Wisconsin	63,815	4,587	7.2	2,959	4.6	18,163	28.5	22,509	35.3	15,597	24.4
West North Central	247,870	26,450	10.7	14,276	5.8	75,670	30.5	75,769	30.6	55,705	22.5
Minnesota	54,682	1,015	1.9	2,241	4.1	15,657	28.6	20,464	37.4	15,305	28.0
Iowa	71,820	21,618	30.1	2,832	3.9	18,497	25.8	15,382	21.4	13,492	18.8
Missouri	38,927	2,274	5.8	2,383	6.1	14,485	39.8	9,520	24.5	9,265	23.8
North Dakota	10,155			1,151	11.3	2,927	28.8	4,043	39.8	2,033	20.0
South Dakota	13,190			1,565	11.9	5,126	38.9	6,109	46.8	330	2.5
Nebraska	17,578			1,816	10.3	7,785	44.3	6,001	34.1	1,976	11.2
Kansas	41,518	1,543	3.7	2,288	5.5	10,193	24.6	14,190	34.2	13,304	32.0
South Atlantic	302,490	49,888	16.4	9,217	3.0	80,826	26.7	66,085	22.0	96,077	31.8
Delaware	5,522	1,337	24.2	210	3.8	1,717	31.1	923	16.7	1,334	24.2
Maryland	17,461	2,549	14.6	730	4.2	6,322	36.2	3,327	19.1	4,533	26.0
Virginia	30,289	1,376	4.5	1,439	4.8	12,788	42.2	6,597	21.8	8,089	26.7
West Virginia	37,362	7,992	21.4	1,215	3.3	8,639	23.1	11,323	30.3	8,194	21.9
North Carolina	74,276	20,040	27.0	1,716	2.3	18,943	25.5	14,547	19.6	19,031	25.6
South Carolina	44,847	8,574	19.1	1,134	2.5	7,823	17.4	3,751	8.4	23,565	52.5
Georgia	31,353	2,435	7.8	1,900	6.1	11,219	35.8	11,038	35.2	4,761	15.2
Florida	61,380	5,383	8.8	873	1.4	13,375	21.8	15,179	24.7	26,570	43.3
East South Central	155,444	37,710	24.3	7,657	4.9	34,872	22.3	32,484	20.9	42,920	27.6
Kentucky [3]	25,066	3,462	13.8	2,008	8.0	8,744	34.9	7,008	28.0	3,844	15.3
Tennessee	50,854	13,939	27.4	1,161	2.3	8,720	17.1	7,726	15.2	19,309	38.0
Alabama	34,588	11,798	34.1	2,977	8.6	9,235	26.7	5,480	15.8	5,097	14.7
Mississippi	44,936	8,511	18.9	1,511	3.4	7,973	17.7	12,270	27.3	14,670	32.6
West South Central	190,185	33,853	17.8	8,038	4.2	68,185	35.9	36,259	19.1	43,851	23.1
Arkansas	45,234	18,173	40.2	1,119	2.5	15,037	33.2	2,150	4.8	8,755	19.4
Louisiana	29,573	480	1.6	954	3.2	7,660	25.9	8,400	28.4	12,071	40.8
Oklahoma	31,688	1,200	3.8	1,688	5.3	13,921	43.9	8,000	25.2	6,879	21.7
Texas	83,690	14,000	16.7	4,277	5.1	31,567	37.7	17,700	21.1	16,146	19.3
Mountain	66,563	2,933	4.4	10,499	15.8	20,912	31.4	16,940	25.4	15,275	22.9
Montana	9,935	120	1.2	1,745	17.6	2,994	30.1	2,970	29.9	2,106	21.2
Idaho	14,249	451	3.2	1,245	8.7	3,570	25.1	3,772	26.5	5,211	36.6
Wyoming	4,944			1,391	28.1	1,518	30.7	842	17.0	1,193	24.1
Colorado	13,234			1,730	13.1	4,735	35.8	3,805	28.8	2,963	22.4
New Mexico	8,140	2,153	26.4	1,819	22.3	2,480	30.5	1,001	12.3	680	8.4
Arizona	5,257	103	2.0	422	8.0	2,198	41.8	2,281	43.4	252	4.8
Utah	6,978			1,106	15.8	2,630	37.7	1,493	21.4	1,748	25.1
Nevada	3,826	106	2.8	1,041	27.2	781	20.4	776	20.3	1,122	29.3
Pacific	140,364	10,888	7.8	4,420	3.1	56,764	40.4	36,084	25.7	32,209	22.9
Washington	24,399	110	.5	1,380	5.7	11,394	46.7	7,120	29.2	4,396	18.0
Oregon	25,508	3,750	14.7	582	2.3	10,284	40.3	5,300	20.8	5,591	21.9
California	90,457	7,028	7.8	2,458	2.7	35,086	38.8	23,664	26.2	22,222	24.6

[1] For road and bridge purposes under supervision of State highway departments only.
[2] Includes balance from previous year, miscellaneous income, and funds transferred.
[3] Data for State highways cover July 1 to Mar. 31, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 412.—DISTRIBUTION OF EXPENDITURES FOR ALL RURAL ROAD PURPOSES, 1928: ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS

[All figures except percentages in thousands of dollars]

Division and State	Total	New and reconstructed roads and bridges [1]		Maintenance roads and bridges [1]		Principal and interest on highway bonds		Equipment and miscellaneous	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	**1,859,992**	**818,609**	**49.3**	**418,632**	**25.2**	**247,742**	**14.9**	**174,709**	**10.5**
New England	**85,173**	**46,358**	**54.4**	**27,242**	**32.0**	**3,142**	**3.7**	**8,431**	**9.9**
Maine	[2] 13,852	7,813	56.4	4,021	29.0	1,167	8.4	852	6.2
New Hampshire	9,456	2,694	28.4	4,302	45.5	----------	-------	2,470	26.1
Vermont	6,802	4,303	63.3	1,975	29.0	----------	-------	523	7.7
Massachusetts	20,962	16,120	53.8	8,196	27.4	1,604	5.4	4,043	13.5
Rhode Island	5,530	2,402	43.3	2,328	41.9	371	6.7	449	8.1
Connecticut	19,550	13,035	66.7	6,421	32.8	----------	-------	94	.5
Middle Atlantic	**286,673**	**151,337**	**52.8**	**66,590**	**23.2**	**35,538**	**12.4**	**33,210**	**11.6**
New York	110,940	68,735	62.0	25,176	22.7	8,019	7.2	9,010	8.1
New Jersey	58,300	39,634	68.0	11,648	20.0	6,716	11.5	302	.5
Pennsylvania	117,434	42,968	36.6	29,766	25.3	20,803	17.7	23,898	20.4
East North Central	**386,908**	**181,722**	**47.0**	**98,492**	**25.5**	**67,718**	**17.5**	**38,976**	**10.1**
Ohio	103,564	42,403	40.9	25,094	24.2	24,400	23.6	11,668	11.3
Indiana	58,570	24,046	41.1	15,450	26.1	16,211	27.7	1,855	3.2
Illinois	85,675	53,113	63.5	19,967	23.9	9,113	10.9	1,482	1.8
Michigan	88,101	39,256	44.6	22,881	26.0	15,053	17.1	10,911	12.4
Wisconsin	52,998	22,905	43.2	14,092	26.6	2,940	5.5	13,060	24.6
West North Central	**209,624**	**124,340**	**59.3**	**53,052**	**25.3**	**16,034**	**7.6**	**16,198**	**7.7**
Minnesota	42,576	26,052	61.2	9,596	22.5	3,911	9.2	3,017	7.1
Iowa	62,024	38,714	62.4	16,458	26.5	3,646	5.9	3,206	5.2
Missouri	31,769	17,037	53.6	7,490	23.3	5,292	16.7	2,039	6.4
North Dakota	7,936	6,348	80.0	1,299	16.4	72	.9	217	2.7
South Dakota	13,923	8,233	59.1	4,699	33.7	154	1.1	838	6.0
Nebraska	16,253	9,867	60.7	5,211	32.1	301	1.9	874	5.4
Kansas	35,143	18,088	51.5	8,388	23.9	2,657	7.6	6,009	17.1
South Atlantic	**244,385**	**115,824**	**47.4**	**52,675**	**21.6**	**50,772**	**20.8**	**25,113**	**10.3**
Delaware	4,887	2,470	50.5	778	15.9	1,355	27.7	284	5.8
Maryland	15,650	6,973	44.5	6,728	43.0	642	4.1	1,312	8.4
Virginia	24,540	13,051	53.2	8,411	34.3	2,664	10.9	414	1.7
West Virginia	29,888	14,501	48.5	5,812	19.4	8,653	29.0	922	3.1
North Carolina	57,306	20,870	36.4	9,570	16.7	20,657	36.0	6,204	10.8
South Carolina	36,116	17,596	48.7	5,229	14.5	2,927	8.1	10,363	28.7
Georgia	29,109	14,769	50.6	9,085	31.1	2,398	8.2	2,946	10.1
Florida	46,792	25,594	54.7	7,056	15.1	11,475	24.5	2,668	5.7
East South Central	**124,476**	**55,494**	**44.6**	**30,361**	**24.4**	**17,578**	**14.1**	**21,044**	**16.9**
Kentucky [3]	24,597	13,283	54.0	4,994	20.3	2,033	8.3	4,287	17.4
Tennessee	37,798	15,000	39.7	8,903	23.6	3,598	9.5	10,298	27.2
Alabama	31,535	16,970	53.8	5,887	18.7	5,390	17.1	3,279	10.4
Mississippi	30,546	10,232	33.5	10,577	34.6	6,557	21.5	3,180	10.4
West South Central	**155,625**	**62,027**	**39.9**	**42,406**	**27.2**	**32,748**	**21.0**	**18,444**	**11.9**
Arkansas	40,114	21,028	52.4	4,913	12.2	12,133	30.2	2,040	5.1
Louisiana	23,621	8,432	35.7	5,236	22.2	5,885	24.9	4,068	17.2
Oklahoma	30,181	12,984	42.9	10,280	34.1	2,030	6.7	4,937	16.4
Texas	61,710	19,634	31.8	21,977	35.6	12,700	20.6	7,399	12.0
Mountain	**57,304**	**27,893**	**48.7**	**15,334**	**26.8**	**6,744**	**11.8**	**7,333**	**12.8**
Montana	8,943	4,528	50.6	2,660	29.7	1,290	14.4	465	5.2
Idaho	11,747	5,272	44.9	2,050	17.5	1,886	16.1	2,539	21.6
Wyoming	4,527	2,810	62.1	1,496	33.0	155	3.4	67	1.5
Colorado	11,881	5,609	47.2	3,814	32.1	1,044	8.8	1,414	11.9
New Mexico	7,076	4,266	60.3	1,413	20.0	761	10.8	636	9.0
Arizona	4,396	1,345	30.6	1,738	39.5	378	8.6	935	21.3
Utah	5,556	2,509	45.2	1,458	26.2	930	16.7	660	11.9
Nevada	3,177	1,555	48.9	705	22.2	290	9.4	518	16.5
Pacific	**108,524**	**53,614**	**49.0**	**32,479**	**29.7**	**17,470**	**16.0**	**5,961**	**5.4**
Washington	23,697	12,703	53.6	6,776	28.6	1,594	6.7	2,624	11.1
Oregon	23,128	10,721	46.4	6,123	26.5	5,686	24.6	598	2.6
California	62,698	30,190	48.2	19,580	31.2	10,190	16.3	2,739	4.4

[1] Data for State highways includes pro rata share of administration, engineering, materials, and supplies formerly included with "Equipment and miscellaneous."

[2] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.

[3] Data for State highways cover July 1 to Mar. 31, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 413.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF DECEMBER 31, 1929

[Total cost and Federal aid expressed in thousands of dollars]

Division and State	Mileage completed prior to Jan. 1, 1930 [1]	Projects under construction			Projects approved for construction			Federal aid fund available for new projects
		Total cost	Federal aid	Miles [1]	Total cost	Federal aid	Miles [1]	
Grand total [2]	82,330	217,013	89,219	8,735	29,340	9,942	1,400	99,881
New England	2,190	7,243	2,377	116	1,918	796	30	6,356
Maine	516	1,782	667	44	88	44	6	1,641
New Hampshire	351	415	111	8				449
Vermont	250	901	333	18				428
Massachusetts	648	2,095	643	25	797	266	18	2,294
Rhode Island	185	955	215	12	321	145	5	651
Connecticut	240	1,095	408	9	712	341	1	893
Middle Atlantic	5,210	35,785	7,867	522	5,673	1,194	78	10,784
New York	2,458	17,239	3,557	238	3,986	642	43	6,827
New Jersey	495	4,616	935	62				1,091
Pennsylvania	2,257	13,930	3,375	222	1,687	552	35	2,866
East North Central	9,326	51,976	21,185	1,393	5,932	1,883	133	14,940
Ohio	2,153	13,126	3,907	242	3,999	1,051	70	3,257
Indiana	1,344	7,509	3,526	233	375	178	12	1,938
Illinois	2,024	15,765	6,901	449	528	264	18	5,601
Michigan	1,615	8,742	3,796	221	1,030	390	33	2,269
Wisconsin	2,190	6,834	2,905	248				1,875
West North Central	23,481	30,241	12,569	2,102	7,663	2,088	695	12,456
Minnesota	4,085	5,127	1,551	222	3,846	243	161	1,383
Iowa	3,132	830	349	34	963	417	36	1,610
Missouri	2,375	7,167	2,696	193				2,623
North Dakota	4,177	1,202	492	307	1,616	827	417	1,161
South Dakota	3,461	3,505	1,888	506	157	86	23	1,185
Nebraska	3,573	6,767	3,251	501	451	211	36	2,390
Kansas	2,678	5,643	2,342	339	630	304	22	2,104
South Atlantic	9,786	16,786	7,308	693	3,218	1,469	93	12,898
Delaware	240	842	343	26				407
Maryland	627	1,311	625	55	399	110	13	550
Virginia	1,396	2,284	1,111	133	457	188	6	1,459
West Virginia	707	3,250	1,324	94				806
North Carolina	1,757	1,037	517	84	909	444	63	2,692
South Carolina	1,907	2,714	979	99				1,393
Georgia	2,665	1,842	888	105				3,985
Florida	467	3,506	1,521	97	1,453	727	11	1,606
East South Central	6,522	11,199	5,141	535	46	23	6	10,380
Kentucky	1,404	4,258	2,023	250	46	23	6	1,814
Tennessee	1,243	1,916	830	94				2,535
Alabama	2,093	2,757	1,361	118				3,382
Mississippi	1,782	2,268	918	103				2,649
West South Central	11,318	27,171	12,006	1,208	1,016	424	65	11,285
Arkansas	1,759	3,622	1,687	177	154	57	11	2,640
Louisiana	1,358	3,419	1,699	134	87	43	(3)	2,031
Oklahoma	1,828	3,530	1,613	137	524	224	33	1,796
Texas	6,373	16,600	7,007	760	251	100	21	4,818
Mountain	10,618	22,473	14,320	1,647	2,232	1,244	208	14,245
Montana	1,693	7,103	4,172	517	1,246	664	116	3,194
Idaho	1,182	1,067	642	95	100	61	12	1,365
Wyoming	1,735	1,535	902	165	41	27	10	963
Colorado	1,165	4,501	2,396	219	352	174	16	2,420
New Mexico	1,027	2,460	1,564	129	378	234	39	1,640
Arizona	820	3,618	2,958	261	101	76	15	2,596
Utah	974	1,046	589	41	14	8	(3)	1,047
Nevada	1,122	1,143	1,007	220				1,020
Pacific	3,862	13,739	6,310	520	1,080	572	77	5,100
Washington	886	4,344	1,562	133	38	20	(3)	1,357
Oregon	1,151	2,757	1,614	198	1,042	552	77	1,209
California	1,825	6,638	3,134	189				2,534
Hawaii	40	402	137	7	563	247	17	1,438

[1] Figures expressed in nearest mile, original figures in nearest tenth.
[2] Includes Hawaii.
[3] Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

No. 414.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts. Motor cycles and trailers are not included

Year	Production [1]						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors [2]
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks			
1900 [3]	4	4		4,899	4,899		8		
1901	7	7		8,183	8,183		15		
1902	9	9		10,395	10,395		23		
1903	11	11		13,000	13,000		33		
1904 [3]	23	22	(4)	24,629	23,682	947	55	55	(4)
1905	25	25	(4)	40,000	39,030	970	78	77	1
1906	34	33	1	62,900	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 [3]	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 [3]	560	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,640	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,092	13,540	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,022	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.
[4] Less than 500.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 415.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS [1]

[All figures except percentages in thousands]

Year	All classes		Under $1,000		$1,000 to $2,000		$2,000 to $3,000		$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1919 [2]	1,497	161	889	88	532	46	53	17	23	10	9.7
1920 [2]	1,582	324	923	218	546	74	63	18	50	14	17.0
1921	1,191	338	831	223	268	65	52	30	20	15	22.1
1922	1,675	723	1,338	436	316	207	12	48	9	32	30.6
1923	2,495	1,285	2,088	1,000	396	221	8	37	3	27	34.0
1924	1,897	1,431	1,656	786	227	573	10	33	4	39	43.0
1925	1,699	2,206	1,425	1,434	249	665	14	56	11	51	56.5
1926	1,116	2,808	967	2,102	121	658	10	54	18	54	72.0
1927	532	2,501	294	1,720	202	705	30	109	6	27	82.8
1928	460	3,564	383	2,551	66	852	6	127	5	34	88.5
1929	625	4,186	592	3,328	22	712	10	121	1	25	87.0

[1] Prior to 1922 figures are based only on price of 5-passenger open cars of a given chassis. Thus, if this model sold for less than $1,000, the total production of cars with the same chassis is included in the "under $1,000" class, even though closed models sold for over $1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.
[2] Figures represent the United States only.

Source: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

No. 416.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES

Month	1921	1922	1923	1924	1925	1926	1927	1928	1929
	Passenger cars								
Total	1,442,007	2,274,185	3,624,717	3,185,881	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400
January	45,397	78,317	223,421	280,314	209,510	276,119	198,157	205,539	347,609
February	60,326	103,227	252,780	335,356	246,924	329,139	262,550	291,005	406,171
March	98,941	149,238	321,453	344,803	325,915	384,579	343,872	371,283	513,656
April	137,640	193,927	337,149	334,736	381,301	385,342	356,823	364,261	537,504
May	144,097	228,975	347,019	275,196	371,192	374,789	356,930	374,680	516,181
June	177,086	249,980	334,596	219,730	356,695	340,716	279,565	355,685	452,749
July	163,796	221,367	299,139	239,299	353,897	317,160	237,811	337,560	425,908
August	166,292	244,340	313,107	252,108	222,030	381,041	275,585	398,722	441,829
September	142,931	184,929	298,504	261,143	265,703	352,070	226,443	367,704	364,336
October	132,579	208,977	334,742	257,785	391,672	290,254	183,042	338,883	319,330
November	103,485	207,498	285,346	201,960	329,294	220,357	109,712	215,742	169,402
December	69,437	203,410	277,461	177,451	281,038	138,421	106,043	204,353	92,494
	Motor trucks and busses								
Total	154,816	269,991	409,295	416,659	530,659	516,947	464,793	543,342	771,020
January	7,840	11,057	22,468	32,275	31,069	32,879	40,751	26,189	53,428
February	10,273	14,644	25,311	35,213	36,714	40,513	42,185	32,791	60,247
March	13,512	22,249	38,023	38,621	48,491	48,888	50,641	42,031	71,799
April	14,561	25,467	41,989	41,132	52,491	53,994	49,559	45,843	84,346
May	12,708	26,647	45,536	39,981	47,864	50,378	48,718	51,103	88,510
June	13,434	28,896	45,514	32,070	41,829	45,553	44,252	41,111	93,183
July	13,074	24,388	32,705	30,513	45,050	42,450	31,585	54,526	74,842
August	14,978	26,498	35,109	32,528	38,206	45,810	34,409	62,576	56,808
September	15,829	18,998	29,216	35,239	60,025	46,868	33,867	57,610	51,576
October	15,430	23,847	31,719	36,768	50,309	44,167	36,640	58,401	60,687
November	13,159	25,425	29,158	32,651	42,977	35,944	24,658	41,398	48,081
December	10,018	21,875	29,647	29,611	35,634	29,503	27,528	29,763	27,513

No. 417.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the great bulk of the proceeds are applied to road purposes

State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1925	1928	1929	1928	1929
Total	146,029	305,234	431,636		
Alabama	2,141	6,614	7,105	4	4
Arizona	856	2,018	2,560	4	4
Arkansas	[1] 2,050	5,383	6,681	5	5
California	14,957	29,567	34,192	3	3
Colorado	1,961	3,921	5,218	3	4
Connecticut	1,909	3,512	4,097	2	2
Delaware	342	800	936	3	3
Dist. of Col	890	1,263	1,423	2	2
Florida	7,653	11,258	12,231	5	6
Georgia	4,419	8,245	10,224	4	6
Idaho	895	1,884	1,946	4	4
Illinois	[2]	[3] 837	[4] 11,660	[2]	3
Indiana	7,653	11,178	15,611	3	4
Iowa	3,505	8,536	9,350	3	3
Kansas	2,905	5,395	8,171	2	3
Kentucky	3,042	6,743	7,743	5	5
Louisiana	2,340	3,381	6,979	2	4
Maine	1,268	3,192	3,709	4	4
Maryland	1,977	5,426	6,297	4	4
Massachusetts	[2]	[2]	9,759	[2]	2
Michigan	8,236	18,335	21,313	3	3
Minnesota	3,864	5,768	8,892	2	3
Mississippi	2,404	[5] 5,697	7,176	5	5
Missouri	4,159	6,948	7,681	2	2
Montana	675	1,683	2,802	3	5
Nebraska	2,194	3,941	7,799	2	4
Nevada	319	531	852	4	4
New Hampshire	707	1,884	2,267	4	4
New Jersey	[2]	8,470	9,996	2	2
New Mexico	537	1,852	2,290	5	5
New York	[2]	[2]	[6] 19,087	[2]	2
North Carolina	6,082	9,787	12,006	4	5
North Dakota	634	1,479	1,801	2	3
Ohio	9,010	24,886	34,082	3	4
Oklahoma	5,144	8,148	10,842	3	4
Oregon	2,909	4,008	4,543	3	3
Pennsylvania	8,353	21,998	35,758	3	4
Rhode Island	318	1,182	1,546	2	2
South Carolina	3,865	5,518	6,871	5	6
South Dakota	1,848	3,159	3,546	4	4
Tennessee	3,408	5,135	9,291	3	5
Texas	4,642	17,945	22,317	2	4
Utah	1,064	1,665	1,980	3½	3½
Vermont	502	1,119	1,703	3	4
Virginia	3,702	8,616	9,895	5	5
Washington	3,021	4,207	5,943	2	3
West Virginia	2,187	4,308	4,873	4	4
Wisconsin	4,032	6,857	7,485	2	2
Wyoming	450	954	1,206	3	4

[1] In addition, $438,436 was collected on motor-oil tax of 10 cents per gallon.
[2] No tax imposed.
[3] January receipts only; law found invalid Feb. 24, 1928.
[4] Receipts for last 5 months of year.
[5] Includes $131,842 in 1928 extra tax for sea wall to protect State highway.
[6] Receipts for last 8 months of year.

Sources: Table 416, Survey of Current Business, Department of Commerce; Table 417, Bureau of Public Roads, Department of Agriculture.

No. 418.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding registrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1924 [1]	1926 [1]	1928 [1]	1929 [1]
Continental U. S.	1,258,062	2,445,866	9,231,941	17,593,677	22,001,393	24,493,124	26,501,443
New England	121,327	206,609	573,321	1,143,223	1,378,721	1,523,298	1,666,192
Maine	11,022	21,545	62,907	127,598	151,486	172,638	184,506
New Hampshire	8,237	13,449	34,680	71,149	89,001	102,644	108,880
Vermont	5,913	11,499	31,025	[2] 61,179	74,063	86,231	93,030
Massachusetts	62,660	102,633	274,498	570,578	690,190	726,295	817,704
Rhode Island	10,295	16,362	50,477	95,482	110,746	125,698	134,009
Connecticut	23,200	41,121	119,134	217,236	263,235	309,792	328,063
Middle Atlantic	266,033	497,237	1,474,106	3,146,194	3,922,033	4,484,579	4,928,874
New York	134,495	255,242	676,205	1,412,879	1,815,434	2,083,942	2,263,259
New Jersey	51,360	81,848	227,737	504,470	651,415	758,430	832,332
Pennsylvania	80,178	160,137	570,164	1,228,845	1,455,184	1,642,207	1,733,283
East North Central	314,524	653,685	2,229,396	4,405,307	5,404,142	5,969,220	6,437,021
Ohio	86,156	181,332	621,390	1,241,600	1,480,246	1,649,699	1,766,614
Indiana	45,000	96,915	333,067	651,705	772,326	823,806	866,715
Illinois	94,656	186,832	568,924	1,119,236	1,370,503	1,504,359	1,615,088
Michigan	54,366	114,845	412,717	867,545	1,118,785	1,249,221	1,395,102
Wisconsin	34,346	73,741	293,298	525,221	662,282	742,135	793,502
West North Central	232,044	499,992	1,782,946	2,639,413	3,167,938	3,410,057	3,663,223
Minnesota	46,000	93,269	324,166	503,437	630,285	673,573	730,399
Iowa	70,299	145,109	437,378	616,128	698,998	733,466	784,460
Missouri	38,140	76,462	297,008	540,500	654,554	712,965	756,680
North Dakota	15,187	24,908	90,840	117,346	157,822	173,525	188,046
South Dakota	14,457	28,724	120,396	142,396	168,230	191,374	204,109
Nebraska	13,411	59,000	219,000	308,715	366,773	391,355	418,226
Kansas	34,550	72,520	294,159	410,891	491,276	533,799	581,223
South Atlantic	77,323	150,594	808,053	1,642,194	2,204,899	2,428,176	2,602,134
Delaware	2,440	5,052	18,300	35,136	44,834	51,210	54,960
Maryland	14,217	31,047	102,841	198,465	252,852	285,311	319,873
District of Columbia	4,000	8,009	34,161	88,762	111,497	126,556	151,450
Virginia	9,022	21,357	115,470	261,945	322,614	360,545	387,205
West Virginia	5,144	13,279	80,664	191,085	227,836	251,556	268,888
North Carolina	10,000	21,000	140,860	302,232	[3,5] 385,047	464,376	483,602
South Carolina	10,000	15,000	93,843	161,753	181,189	216,805	231,274
Georgia	[4] 20,000	25,000	146,000	207,688	277,468	318,856	358,905
Florida	[4] 3,000	[4] 10,850	73,914	195,128	401,562	352,961	345,977
East South Central	26,360	48,421	357,858	726,428	992,326	1,142,129	1,230,823
Kentucky	7,210	19,500	112,683	229,804	281,557	304,231	332,848
Tennessee	[5] 10,000	[6] 7,618	101,852	204,680	279,639	322,137	302,431
Alabama	5,300	11,634	74,637	157,262	225,930	269,519	285,533
Mississippi	3,850	9,669	68,486	134,680	205,200	246,242	250,011
West South Central	48,583	84,433	772,855	1,491,719	1,998,726	2,223,364	2,432,894
Arkansas	3,583	8,021	59,082	141,983	209,419	214,931	233,128
Louisiana	[5] 10,000	11,380	73,000	[7] 178,000	239,500	264,293	280,868
Oklahoma	[4] 3,000	25,032	212,880	369,903	499,938	529,843	570,791
Texas	[5] 32,000	[5] 40,000	427,693	801,833	1,049,869	1,214,297	1,348,107
Mountain	33,215	78,530	374,473	691,750	735,286	861,418	954,593
Montana	5,916	14,540	60,650	79,695	103,958	126,035	140,387
Idaho	2,113	7,071	50,861	69,227	94,760	108,154	118,074
Wyoming	1,584	3,976	23,926	43,639	49,883	56,336	60,080
Colorado	13,000	28,894	129,255	213,247	248,613	284,867	303,489
New Mexico	1,898	5,100	22,100	41,680	54,996	65,737	78,374
Arizona	3,613	7,753	34,601	57,828	73,682	94,372	109,013
Utah	4,000	9,177	42,616	68,316	85,380	98,541	112,661
Nevada	1,091	2,009	10,464	18,118	24,014	27,376	31,915
Pacific	138,153	226,205	861,333	1,807,452	2,197,322	2,450,883	2,685,689
Washington	24,178	38,823	173,920	295,443	363,279	402,875	442,341
Oregon	13,975	23,585	103,790	192,615	233,568	248,118	269,007
California	[5] 100,000	163,797	583,623	1,319,394	1,600,475	1,799,890	1,974,341

[1] Includes road tractors (excluding farm tractors) not included prior to 1924.
[2] Includes nonresident registrations.
[3] Fiscal registration year ends June 30; figures represent registration July 1 to Dec. 31.
[4] Registrations incomplete.
[5] Estimated.
[6] Cars registered during 1915 only; total, approximately 26,000.
[7] Approximate.

Source: Bureau of Public Roads, Department of Agriculture.

No. 419.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1929

Division and State	Number of motor cars				Trailers, registered [2]	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount applied to rural highway work
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars [1]			Total receipts [3]	Registration motor cars [4]	
		Passenger cars, busses, and taxis	Trucks and road tractors				Thousands of dollars		
Continental U.S.	[5] 26,653,450	23,121,589	3,379,854	[5] 152,007	193,044	119,396	347,844	284,793	323,338
New England	1,872,261	1,438,336	227,356	6,069	3,534	12,266	25,133	18,309	22,283
Maine	186,037	147,962	30,544	1,531	1,652	1,340	3,030	2,317	2,622
New Hampshire	108,902	94,900	13,980	22	635	1,263	2,248	1,797	2,057
Vermont	93,058	84,471	8,559	28	280	487	2,340	2,008	2,340
Massachusetts	819,160	719,436	98,268	1,456	556	5,568	7,118	4,126	5,726
Rhode Island	134,902	114,010	19,999	893	87	1,024	2,404	1,986	2,163
Connecticut	330,202	278,057	50,006	2,139	324	2,584	7,993	6,075	7,375
Middle Atlantic	4,858,360	4,136,902	691,972	29,486	15,723	35,679	82,361	66,786	73,249
New York	2,282,424	1,922,068	341,191	19,165	8,232	14,840	38,293	34,041	33,167
New Jersey	840,213	698,959	133,373	7,881	2,424	7,464	14,803	10,814	13,490
Pennsylvania	1,735,723	1,515,875	217,408	2,440	5,067	13,375	29,265	21,933	26,583
East North Central	6,460,760	5,621,906	815,115	23,739	62,549	25,054	71,193	66,561	68,951
Ohio	1,779,819	1,560,182	206,432	13,205	15,000	9,180	12,860	12,324	12,470
Indiana	874,864	741,366	125,349	8,149	10,407	2,983	6,253	5,728	5,977
Illinois	1,616,067	1,411,753	203,335	979	5,068	6,055	17,037	15,938	17,052
Michigan	1,395,473	[6] 1,219,158	[6] 175,944	371	31,577	3,985	23,212	21,188	22,321
Wisconsin	794,537	689,447	104,055	1,035	497	2,851	11,781	11,383	11,131
West North Central	3,975,275	3,243,345	419,378	12,052	14,872	8,171	47,584	46,148	45,733
Minnesota	731,955	630,703	99,696	1,556	4,783	1,900	10,847	10,691	10,791
Iowa	787,955	714,919	69,531	3,505	528	1,726	11,919	11,049	11,355
Missouri	758,595	[6] 671,237	[6] 85,443	1,915	2,686	1,898	9,691	9,664	9,236
North Dakota	188,049	162,092	25,954	3	--------	230	1,989	1,973	1,727
South Dakota	205,283	[6] 181,419	[6] 22,780	1,084	--------	207	3,151	3,065	3,088
Nebraska	419,553	375,946	42,280	1,327	6,515	972	4,290	4,028	4,131
Kansas	583,885	[6] 507,529	[6] 73,694	2,662	360	1,238	5,697	5,678	5,405
South Atlantic	2,629,072	2,253,837	348,297	26,938	12,085	11,482	34,941	25,211	32,052
Delaware	55,004	44,728	10,232	44	389	308	1,023	825	1,023
Maryland	321,842	281,034	[7] 38,339	1,969	876	1,986	3,295	2,539	2,373
Dist. Columbia	153,873	135,455	15,995	2,423	--------	1,192	666	159	--------
Virginia	391,860	328,525	58,680	4,655	966	2,284	6,145	5,662	5,885
West Virginia	271,309	228,716	40,173	2,421	725	1,517	4,566	4,131	4,317
North Carolina	491,123	430,651	52,951	7,521	3,584	1,298	7,045	--------	6,745
South Carolina	234,382	205,683	25,591	3,108	2,048	451	2,674	2,509	2,644
Georgia	359,839	310,362	48,543	934	2,597	1,138	4,508	4,492	4,403
Florida	349,840	288,684	57,293	3,863	900	1,308	4,959	4,894	4,662
East South Central	1,238,448	1,083,476	137,347	7,625	7,845	2,838	16,368	5,205	15,698
Kentucky	334,854	298,716	34,132	2,006	--------	727	5,381	5,205	5,146
Tennessee	366,940	[6] 329,697	[6] 32,734	4,509	--------	1,203	4,288	--------	4,181
Alabama	286,569	247,701	37,832	1,086	3,024	704	3,736	--------	3,559
Mississippi	250,085	217,362	32,649	74	4,321	204	2,963	--------	2,812
West South Central	2,441,821	2,103,512	329,382	8,927	27,068	6,243	36,119	28,260	34,973
Arkansas	234,086	193,396	39,732	958	2,808	431	4,212	4,126	4,128
Louisiana	281,077	234,565	46,303	209	8,000	600	4,524	4,456	4,474
Oklahoma	576,046	510,401	60,390	5,255	--------	1,196	6,964	--------	6,749
Texas	1,350,612	1,165,150	182,957	2,505	16,260	4,016	20,419	19,678	19,622
Mountain	961,073	841,841	112,752	6,480	2,675	3,104	8,459	4,976	7,923
Montana	140,616	115,285	25,102	229	--------	234	1,549	--------	1,429
Idaho	119,269	104,398	13,676	1,195	485	370	1,787	1,743	1,768
Wyoming	61,245	51,880	8,800	565	--------	92	647	--------	647
Colorado	303,772	274,988	28,501	283	159	1,142	1,835	1,692	1,669
New Mexico	79,350	76,000	2,374	976	509	207	757	723	682
Arizona	110,362	98,327	10,686	1,349	1,249	439	749	526	749
Utah	114,034	95,661	17,000	1,373	--------	525	838	--------	708
Nevada	32,425	25,302	6,613	510	273	95	297	292	281
Pacific	2,708,521	2,387,434	298,255	22,832	47,193	14,559	25,680	23,336	22,477
Washington	447,327	379,995	62,346	4,986	2,980	2,583	7,547	6,963	6,793
Oregon	270,631	247,131	21,876	1,624	1,308	1,796	7,044	7,346	7,293
California	1,990,563	1,760,308	214,033	16,222	42,899	10,180	10,489	9,027	8,391

[1] Data included for United States cars are Bureau of the Budget data as of 1925.
[2] Some States do not register trailers.
[3] Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.
[4] Totals include only the States shown; separate data not available for 8 States.
[5] Includes 7,859 "cars at large" not allocated to any State.
[6] Busses included with trucks.
[7] Includes commercial cars with pneumatic tires, formerly reported with passenger cars.

Source: Bureau of Public Roads, Department of Agriculture.

No. 420.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered	Deaths per 100,000 cars
1911	59,183,071	1,291	2.2	54,285,189	1,150	2.2	----------	----------
1912	60,359,974	1,758	2.9	55,188,437	1,563	2.8	----------	----------
1913	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914	65,813,315	2,826	4.3	60,943,663	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,646,824	6,064	8.7	3,530,268	171.8
1918	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,486,713	9,103	10.4	86,043,627	8,878	10.3	7,440,420	119.3
1921	88,667,602	10,168	11.5	87,183,738	9,903	11.4	8,578,536	115.4
1922	93,241,643	11,666	12.5	91,959,620	11,466	12.5	10,374,993	110.5
1923	96,986,371	14,411	14.9	95,613,844	14,157	14.8	13,359,965	106.0
1924	99,200,298	15,528	15.7	97,667,916	15,221	15.6	15,713,654	96.9
1925	103,108,000	17,571	17.0	101,319,000	17,149	16.9	17,892,640	95.8
1926	105,167,000	18,871	17.9	103,284,000	18,419	17.8	19,838,947	92.8
1927	108,327,000	21,160	19.5	106,510,200	20,704	19.4	21,084,564	98.2
1928	114,495,000	23,765	20.8	(1)	23,427	(1)	23,126,127	101.3

Year	Rural area of registration States			Cities in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1911	20,901,350	306	1.1	27,383,839	844	3.1	4,897,882	141	2.9
1912	27,144,493	442	1.6	28,043,944	1,121	4.0	5,171,537	195	3.8
1913	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915	31,078,193	1,226	3.9	30,803,560	2,363	7.7	5,213,928	389	7.5
1916	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456	9.2
1917	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	215	12.0
1919	44,664,083	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920	44,310,060	2,757	6.2	41,733,567	6,121	14.7	1,443,086	225	15.6
1921	44,572,803	3,368	7.6	42,610,935	6,535	15.3	1,483,864	265	17.9
1922	47,859,762	4,020	8.4	44,099,858	7,446	16.9	1,282,023	200	15.6
1923	49,882,530	5,209	10.4	45,731,314	8,948	19.6	1,372,527	254	18.5
1924	51,208,182	5,668	11.1	46,459,734	9,553	20.6	1,532,382	307	20.0
1925	53,779,000	6,509	12.1	47,540,000	10,640	22.4	1,789,000	422	23.6
1926	54,663,900	7,348	13.4	48,620,300	11,071	22.8	1,883,300	452	24.0
1927	56,717,500	8,452	14.9	49,792,700	12,252	24.6	1,816,500	456	25.1
1928	(1)	9,997	(1)	(1)	13,430	(1)	(1)	338	(1)

[1] See last paragraph of general note, page 77.

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

No. 421.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See Table 81 for per cent of total population included in the registration area for each year. For rate for entire registration area in 1928 see Table 420; other rates not computed, see last paragraph of general note, page 77.

State	Number of deaths						Rate per estimated 100,000 population					
	1921–1925, avg.	1924	1925	1926	1927	1928	1921–1925, avg.	1923	1924	1925	1926	1927
Registration area in continental United States	13,869	15,528	17,571	18,871	21,160	23,765	14.4	14.9	15.7	17.0	17.9	19.5
Registration States[1]	13,579	15,221	17,149	18,419	20,704	23,427	14.2	14.8	15.6	16.9	17.8	19.4
Cities[1]	8,624	9,553	10,640	11,071	12,252	13,430	19.0	19.6	20.6	22.4	22.8	24.6
Rural	4,955	5,668	6,509	7,348	8,452	9,997	9.9	10.4	11.1	12.1	13.4	14.9
Cities in nonregistration States	290	307	422	452	456	338	19.1	18.5	20.0	23.6	24.0	25.1
All registration cities[2]	8,914	9,860	11,062	11,523	12,708	13,768	18.9	19.5	20.5	22.4	22.8	24.6
REGISTRATION STATES												
Alabama	[3] 252	(3)	252	319	361	375	[3] 10.1	(3)	(3)	10.1	12.6	14.2
Arizona	(3)	(3)	(3)	116	140	123	(3)	(3)	(3)	(3)	26.1	30.5
Arkansas	(3)	(3)	(3)	(3)	170	211	(3)	(3)	(3)	(3)	(3)	8.8
California	1,131	1,254	1,327	1,464	1,628	1,755	29.0	32.6	32.0	31.7	33.9	36.7
Colorado	148	158	146	175	234	221	14.8	15.9	15.7	14.0	16.5	21.8
Connecticut	260	277	340	307	327	407	17.3	16.9	18.4	21.6	19.1	20.0
Delaware	36	46	37	50	62	75	15.5	23.9	19.8	15.5	20.8	25.5
Florida	217	242	449	515	425	404	18.6	16.2	19.7	35.5	39.1	31.2
Georgia	[4] 260	307	(5)	(5)	(5)	468	[4] 8.6	8.6	10.1	(5)	(5)	(5)
Idaho	[6] 46	54	56	77	76	90	[6] 9.5	10.8	11.2	11.0	14.8	14.2
Illinois	1,051	1,065	1,268	1,338	1,512	1,743	15.3	15.2	15.5	17.9	18.6	20.7
Indiana	399	480	509	547	665	784	13.2	14.4	15.8	16.4	17.5	21.1
Iowa	[7] 241	211	271	264	284	329	[7] 10.0	9.8	8.7	11.2	10.9	11.7
Kansas	193	169	240	241	253	304	10.7	12.1	9.4	13.2	13.2	13.8
Kentucky	167	197	237	277	299	342	6.8	6.7	8.0	9.4	11.0	11.8
Louisiana	162	210	241	271	295	348	8.7	8.5	11.3	12.7	14.1	15.3
Maine	83	91	98	100	112	115	10.6	11.7	11.7	12.5	12.7	14.1
Maryland	232	246	271	312	330	343	15.3	16.1	16.2	17.4	19.7	20.7
Massachusetts	609	685	729	682	696	724	15.1	15.2	16.7	17.6	16.2	16.4
Michigan	714	863	955	1,112	1,266	1,247	17.6	18.6	21.2	22.3	25.3	28.2
Minnesota	306	366	361	326	369	435	12.1	13.1	14.5	13.8	12.3	13.7
Mississippi	93	125	170	215	243	253	5.4	4.4	7.0	9.5	12.0	13.6
Missouri	391	449	509	493	517	625	11.3	11.6	13.0	14.6	14.1	14.7
Montana	60	69	84	93	73	118	9.6	8.0	11.0	12.5	13.4	10.2
Nebraska	119	113	125	154	198	217	8.9	9.2	8.4	9.1	11.1	14.2
New Hampshire	59	61	87	68	71	76	13.1	13.2	13.6	19.2	15.0	15.6
New Jersey	643	746	771	792	973	1,015	18.7	19.9	21.7	21.4	21.5	26.0
New York	1,889	1,985	2,111	2,178	2,384	2,554	17.4	17.8	18.0	18.9	19.3	20.9
North Carolina	254	328	376	455	503	577	9.3	9.6	12.0	13.4	15.9	17.4
North Dakota	[8] 52	45	59	70	72	79	[8] 8.1	(3)	7.0	9.2	10.9	11.2
Ohio	988	1,024	1,285	1,371	1,494	1,708	15.9	17.6	16.5	19.9	20.0	22.3
Oklahoma	(3)	(3)	(3)	(3)	(3)	330	(3)	(3)	(3)	(3)	(3)	(3)
Oregon	125	144	144	187	194	249	15.0	14.6	17.3	16.7	21.3	21.8
Pennsylvania	1,405	1,535	1,576	1,734	1,860	1,882	15.3	17.5	16.7	16.6	18.0	19.1
Rhode Island	104	113	133	127	131	164	15.9	15.5	16.9	19.6	18.3	18.6
South Carolina	123	167	179	192	279	251	7.0	6.8	9.5	9.9	10.5	15.1
Tennessee	195	232	278	312	345	382	8.1	7.1	9.6	11.4	12.6	13.9
Utah	68	81	89	80	79	123	14.0	12.6	16.7	17.7	15.6	15.1
Vermont	42	48	56	45	60	69	11.9	13.1	13.6	15.9	12.8	17.0
Virginia	198	240	271	303	376	412	8.2	8.3	9.9	10.9	12.0	14.8
Washington	236	265	299	342	365	424	16.2	16.7	18.2	19.8	22.2	23.4
West Virginia	[3] 208	(3)	208	231	298	283	[3] 12.7	(3)	(3)	12.7	13.8	17.6
Wisconsin	306	363	397	384	511	620	11.1	10.7	13.1	13.9	13.3	17.5
Wyoming	[6] 51	59	67	56	60	59	[6] 23.3	24.1	27.2	29.3	23.7	27.4
REGISTRATION CITIES												
Akron	39	39	60	62	75	83	[9] 13.5	(10)	(10)	(10)	(10)	(10)
Albany	28	28	35	41	36	39	23.9	23.0	23.9	29.7	34.5	30.1
Atlanta	53	53	65	68	65	71	[11] 22.7	24.7	(10)	(10)	27.9	26.1
Baltimore	130	120	158	178	171	185	16.8	16.9	16.4	19.8	22.0	20.9
Birmingham	46	55	51	57	51	63	23.5	25.0	27.4	24.8	27.1	23.4
Boston	132	143	154	149	140	138	7.2	17.3	18.4	19.8	18.9	17.7
Bridgeport	25	21	26	31	26	44	[9] 19.4	(10)	(10)	(10)	(10)	(10)

For footnotes see following page.

No. 421.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per estimated 100,000 population					
	1921–1925, average	1924	1925	1926	1927	1928	1921–1925, average	1923	1924	1925	1926	1927
Buffalo	111	112	119	135	137	151	20.9	25.5	21.0	22.1	24.8	24.9
Cambridge	22	27	22	19	28	26	19.3	25.1	22.8	18.4	15.6	22.6
Camden	37	36	43	59	65	77	29.8	35.4	28.5	33.3	45.1	48.8
Chicago	597	560	645	693	787	884	20.7	20.4	19.0	21.5	22.7	25.4
Cincinnati	91	85	116	109	119	132	22.4	25.1	20.8	28.1	26.5	28.9
Cleveland	189	220	231	265	250	273	21.4	22.8	24.1	24.7	27.6	25.4
Columbus	54	59	71	70	72	100	20.6	22.2	22.0	25.4	24.5	24.7
Dallas	37	36	59	61	49	66	20.4	18.7	19.2	30.4	30.1	23.2
Dayton	28	26	44	52	44	64	16.9	16.3	15.4	25.4	20.4	24.3
Denver	44	40	37	48	61	55	16.2	(10)	15.6	13.2	16.8	21.0
Des Moines	[7] 19	17	23	30	30	25	[7] 13.5	12.8	12.1	16.3	20.6	20.1
Detroit	242	305	346	399	403	360	22.3	(10)	25.5	27.8	30.9	30.2
Fall River	16	16	17	19	11	24	12.9	18.2	12.5	13.2	14.5	8.3
Fort Worth	[6] 21	27	32	30	31	44	[8] 14.8	6.3	18.2	20.6	18.8	18.9
Grand Rapids	28	31	45	32	35	33	19.0	18.5	20.9	29.2	20.5	21.6
Hartford	38	33	53	46	49	51	26.0	26.3	21.1	33.1	28.0	29.1
Houston	28	31	31	40	57	71	[9] 17.6	(10)	22.4	(10)	(10)	(10)
Indianapolis	58	71	78	83	84	120	10.9	15.5	20.2	21.7	22.6	22.4
Jersey City	46	56	64	41	65	48	14.9	12.0	17.9	20.3	12.9	20.2
Kansas City, Kans	17	18	27	8	20	18	15.0	10.4	15.6	23.3	6.8	17.0
Kansas City, Mo	78	87	87	82	80	96	22.2	24.4	24.2	23.7	21.8	20.9
Los Angeles	220	267	258	286	353	337	[9] 28.3	(10)	(10)	(10)	(10)	(10)
Louisville	53	58	64	64	81	80	19.7	25.6	19.8	21.2	20.6	25.3
Lowell	19	23	26	22	16	17	16.8	15.6	20.8	23.6	19.9	14.5
Memphis	41	40	52	57	68	80	24.1	27.0	23.2	29.7	32.3	38.0
Milwaukee	73	83	102	101	121	127	15.0	12.8	16.8	20.0	19.5	22.6
Minneapolis	68	86	76	69	64	89	16.6	14.7	20.6	17.9	15.9	14.3
Nashville	29	34	38	39	46	43	23.4	22.8	27.5	27.9	28.5	33.4
New Bedford	14	13	18	11	16	20	11.3	6.2	10.0	15.1	9.2	13.4
New Haven	34	48	40	42	48	49	19.7	16.2	27.3	22.3	23.1	26.0
New Orleans	64	84	78	85	96	114	15.8	16.8	20.5	18.8	20.3	22.6
New York	961	1,000	1,060	1,082	1,099	1,120	16.4	16.3	17.2	18.0	18.3	18.4
Newark, N. J	94	104	110	109	122	117	21.4	24.4	23.3	24.3	23.7	26.1
Norfolk	17	16	24	25	35	25	11.5	8.2	(10)	14.2	14.4	10.5
Oakland	44	49	44	51	53	72	18.3	20.8	19.8	17.3	19.6	19.8
Omaha	30	29	35	33	49	45	14.7	19.6	13.9	16.5	15.3	22.4
Paterson	39	49	41	34	52	57	27.9	27.9	34.8	28.9	23.8	36.2
Philadelphia	262	263	296	329	324	318	13.6	15.3	13.5	15.0	16.4	15.9
Pittsburgh	146	186	106	163	215	160	23.6	23.5	29.7	26.3	25.6	32.3
Portland, Oreg	40	41	42	52	62	64	[12] 14.8	14.3	14.7	(10)	(10)	(10)
Providence	56	58	79	61	64	77	22.3	21.5	22.0	29.5	22.2	22.8
Reading	20	24	19	19	30	30	18.9	24.3	21.5	16.8	16.7	26.2
Richmond	28	33	41	37	46	52	15.5	14.4	18.0	22.0	19.6	24.0
Rochester	48	48	54	65	62	68	15.3	13.8	15.3	17.0	20.3	19.1
St. Louis	164	197	201	172	159	205	20.4	20.9	24.2	24.5	20.7	18.9
St. Paul	45	55	42	46	57	58	18.6	24.4	22.5	17.1	18.5	22.8
Salt Lake City	28	34	42	33	30	45	22.2	15.8	26.4	32.1	24.7	22.1
San Antonio	30	22	39	40	48	64	16.2	16.2	11.5	19.7	19.5	22.7
San Francisco	107	113	105	128	166	138	19.9	19.9	20.6	18.8	22.6	28.8
Scranton	30	24	33	32	34	33	21.3	20.2	17.0	23.2	22.4	23.6
Seattle	52	53	66	69	79	90	[9] 13.9	(10)	(10)	(10)	(10)	21.0
Spokane	17	22	21	27	21	26	16.2	(10)	21.0	19.3	24.8	19.3
Springfield, Mass	22	27	21	38	24	26	15.6	15.9	19.2	14.8	26.2	16.3
Syracuse	37	41	29	44	43	59	20.4	23.3	22.7	15.9	23.7	21.8
Toledo	52	46	67	74	108	85	19.3	23.4	16.4	23.3	25.1	35.4
Trenton	32	34	39	33	40	50	25.2	28.3	26.2	29.5	24.6	29.3
Washington, D. C	80	108	88	98	108	124	17.2	18.1	22.2	17.1	18.6	20.0
Wilmington, Del	21	29	21	29	40	49	17.8	24.6	24.2	17.2	23.3	31.6
Worcester	33	29	40	32	46	35	17.5	17.2	15.3	21.0	16.5	23.5
Yonkers	16	16	15	19	25	19	14.8	15.8	14.4	13.2	16.3	21.0
Youngstown	36	39	43	42	56	63	25.4	24.6	25.1	26.9	25.5	33.1

[1] Including the District of Columbia.
[2] 1925 only.
[3] Not added to registration area until a later date.
[4] Average, 1922–1924.
[5] In 1925 State registration law declared unconstitutional; readmitted in 1928.
[6] Average, 1922–1925.
[7] Average, 1923–1925.
[8] Average, 1924–1925.
[9] Average, 1921–1922.
[10] Estimate of population unsatisfactory.
[11] Average, 1921–1923.
[12] Average, 1921–1924.

Source: Bureau of the Census, Department of Commerce.

20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (*a*) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (*b*) switching and terminal railroads, also reporting to the commission; and (*c*) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of gross operating revenue in 1919: Class I, having more than $1,000,000 of such revenue; Class II, from $100,000 to $1,000,000; and Class III, less than $100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district the remainder of the country. The principal railroads of the eight regions are listed in Table 448.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 422.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED, CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

Year	Miles of road (first track) owned	Miles operated					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163, 597	167, 191	156, 404	9, 760	33, 711	199, 875	----------
1895	180, 657	184, 628	177, 746	12, 348	43, 181	233, 275	----------
1900	193, 346	198, 904	192, 556	14, 075	52, 153	258, 784	----------
1905	218, 101	225, 196	216, 974	19, 881	69, 942	306, 797	----------
1910	240, 293	249, 992	240, 831	25, 354	85, 582	351, 767	----------
1911	243, 979	254, 732	246, 238	27, 612	88, 974	362, 824	216, 877
1912	246, 777	258, 033	249, 852	29, 367	92, 019	371, 238	220, 063
1913	249, 777	261, 036	253, 470	30, 827	95, 211	379, 508	224, 236
1914	252, 105	263, 547	256, 547	32, 376	98, 285	387, 208	226, 999
1915	253, 789	264, 378	257, 569	33, 662	99, 910	391, 141	228, 989
Dec. 31, 1916	254, 037	266, 381	259, 705	34, 325	102, 984	397, 014	231, 674
1917	253, 626	266, 015	259, 705	35, 066	105, 582	400, 353	232, 697
1918	253, 529	264, 233	258, 507	36, 228	107, 608	402, 343	233, 145
1919	253, 152	263, 707	258, 525	36, 730	108, 037	403, 892	234, 363
1920	252, 845	263, 821	259, 941	36, 894	109, 744	406, 579	235, 234
1921	251, 176	262, 544	258, 362	37, 614	111, 555	407, 531	234, 702
1922	250, 413	261, 984	257, 425	37, 888	114, 046	409, 359	234, 976
1923	250, 222	262, 482	258, 084	38, 097	116, 212	412, 993	235, 574
1924	250, 156	262, 158	258, 238	39, 916	116, 874	415, 028	235, 894
1925	249, 398	261, 871	258, 631	40, 962	118, 361	417, 954	236, 849
1926	249, 138	261, 562	258, 815	41, 686	120, 840	421, 341	237, 054
1927	249, 131	262, 091	259, 639	42, 071	123, 027	424, 737	238, 634
1928	249, 309	262, 713	260, 546	42, 432	124, 772	427, 750	240, 747

Source: Interstate Commerce Commission.

No. 423.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 422. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads

State	1860 [1]	1870 [1]	1880 [1]	1890	1900	1910 [2]	1920	1925	1927	1928
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,398	249,131	249,309
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,754	7,686	7,680
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,228	2,198	2,198
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,234	1,198	1,169
Vermont	554	614	914	921	1,012	1,100	1,077	1,057	1,057	1,034
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,071	2,019	2,015
Rhode Island	108	136	210	213	212	212	211	196	196	196
Connecticut	601	742	923	1,007	1,024	1,000	1,001	968	968	968
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	22,003	21,919	21,841
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,373	8,364	8,338
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,292	2,294	2,295
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,338	11,261	11,208
South Atlantic	5,978	7,349	9,789	18,270	23,362	29,795	32,380	31,935	31,860	31,850
Delaware	127	197	275	323	347	335	335	332	332	325
District of Columbia	[4]	[4]	[4]	30	32	36	36	37	36	36
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,447	1,447	1,427
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,554	4,528	4,509
West Virginia	352	387	691	1,328	2,228	3,601	3,995	4,038	4,007	4,049
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,347	5,223	5,223
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,748	3,744	3,743
Georgia	1,420	1,845	2,459	4,632	5,652	7,056	7,326	6,980	6,835	6,800
Florida	402	446	518	2,471	3,299	4,432	5,212	5,452	5,708	5,738
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,843	43,684	43,721
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,812	8,881	8,867
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,187	7,182	7,173
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	11,994	12,004	12,119
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,349	8,261	8,209
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,501	7,356	7,353
West North Central	1,472	8,046	19,094	33,354	42,988	49,730	52,180	51,856	51,650	51,557
Minnesota		1,092	3,151	5,466	6,943	8,669	9,114	8,787	8,827	8,822
Iowa	655	2,683	5,400	8,356	9,185	9,765	9,808	9,814	9,760	9,751
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	8,051	8,018	7,954
North Dakota		[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,277	5,274	5,275
South Dakota		[6]	[6]	2,486	2,850	3,948	4,276	4,245	4,235	4,236
Nebraska		705	1,953	5,295	5,685	6,067	6,166	6,189	6,174	6,174
Kansas		1,501	3,400	8,806	8,719	9,007	9,388	9,493	9,362	9,345
South Central	3,392	4,656	8,343	11,144	13,343	17,074	17,754	17,492	17,563	17,593
Kentucky	534	1,017	1,530	2,746	3,000	3,526	3,929	4,005	4,049	4,037
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	4,063	4,063	4,008
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,254	5,185	5,282
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,170	4,266	4,266
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	32,588	32,694	32,983
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,868	4,790	4,772
Texas	307	711	3,244	8,613	9,886	14,282	16,125	16,198	16,429	16,771
Oklahoma			289	1,214	2,151	5,980	6,572	6,621	6,602	6,618
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,901	4,873	4,822
Mountain		1,466	5,082	12,676	15,808	22,956	25,170	24,723	24,942	24,972
Montana			106	2,181	3,010	4,207	5,072	5,037	5,094	5,232
Wyoming		459	512	942	1,229	1,645	1,931	1,992	1,988	2,042
Colorado		157	1,570	4,176	4,587	5,533	5,519	5,077	5,063	4,983
New Mexico			758	1,324	1,753	3,032	2,972	2,998	2,998	2,964
Arizona			349	1,097	1,512	2,097	2,478	2,378	2,496	2,495
Utah		257	842	1,090	1,547	1,986	2,161	2,189	2,194	2,194
Nevada		593	739	925	909	2,277	2,160	2,137	2,200	2,123
Idaho			206	941	1,261	2,179	2,877	2,915	2,909	2,939
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,204	17,183	17,212
Washington			289	1,783	2,914	4,875	5,587	5,559	5,557	5,555
Oregon		159	508	1,428	1,724	2,285	3,305	3,357	3,362	3,416
California	23	925	2,195	4,356	5,751	7,772	8,356	8,288	8,264	8,231
Alaska Territory					22	390	240	801	793	793
Hawaii Territory						175	243	252	256	229

[1] Represents mileage operated.
[2] Revised total 240,293 not distributed by States.
[3] Totals exclude Alaska and Hawaii.
[4] Included in returns for Maryland.
[5] Figures for Dakota.
[6] For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

No. 424.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 422. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4,026	1887		149,214	1908	233,468	230,494
1850		9,021	1888		156,114	1909	236,834	235,402
1855		18,374	1889		161,276	1910	240,293	240,831
1860		30,626	1890	163,597	156,404	1911	243,979	246,238
1865		35,085	1891	168,403	161,275	1912	246,777	249,852
1870		52,922	1892	171,564	162,397	1913	249,777	253,470
1872		66,171	1893	176,461	169,780	1914	252,105	256,547
1873		70,268	1894	178,709	175,691	1915	253,789	257,569
1874		72,385	1895	180,657	177,746	1916	254,037	259,705
1875		74,096	1896	182,777	181,983	1917	253,626	259,705
1876		76,808	1897	184,428	183,284	1918	253,529	258,507
1877		79,082	1898	186,306	184,648	1919	253,152	258,525
1878		81,747	1899	189,205	187,535	1920	252,845	259,941
1879		86,556	1900	193,346	192,556	1921	251,176	258,362
1880		93,262	1901	197,237	195,562	1922	250,413	257,425
1881		103,108	1902	202,472	200,155	1923	250,222	258,084
1882		114,677	1903	207,077	205,314	1924	250,156	258,238
1883		121,422	1904	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

No. 425.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 420

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total:								
1916	231,674	34,129	98,334	364,137	61,332	2,024,119	33,188	92,280
1920	235,234	36,737	105,408	377,379	64,746	2,340,761	36,305	98,343
1921	234,702	37,454	107,008	379,254	64,949	2,385,470	36,935	98,504
1922	234,976	37,704	109,463	382,143	64,512	2,401,452	37,441	98,847
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,318
1924	235,894	39,735	112,253	387,882	65,358	2,593,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,586,868	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,886	105,953
1927	238,634	41,926	118,654	399,214	61,344	2,606,171	42,798	105,846
1928	240,747	[1] 42,255	120,479	403,481	59,441	2,579,643	43,338	105,322
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1921	58,885	22,108	43,031	124,024	29,468	1,118,251	38,313	49,161
1923	59,302	22,404	44,820	126,526	29,479	1,193,235	40,888	49,633
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1926	59,114	23,157	45,430	127,701	27,583	1,190,510	43,660	51,697
1927	59,135	23,264	45,889	128,288	26,915	1,181,792	44,476	51,597
1928	59,450	23,354	46,184	128,988	25,919	1,159,102	45,425	51,087
Southern district:								
1916	42,753	3,940	15,695	62,388	9,754	323,923	33,165	15,633
1921	43,826	4,475	17,379	65,680	10,780	401,280	37,273	17,174
1923	43,894	4,694	18,188	66,776	10,893	428,896	39,435	17,818
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1926	44,727	5,985	20,404	71,116	11,418	484,490	42,551	19,359
1927	45,416	6,075	20,815	72,306	11,229	483,124	43,155	19,424
1928	45,760	6,122	21,241	73,123	11,126	485,761	43,944	19,389
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1921	131,991	10,871	46,688	189,550	24,701	865,939	35,155	32,169
1923	132,378	11,475	48,700	192,553	24,955	921,984	37,057	33,807
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1926	133,213	12,395	50,519	196,127	23,760	936,238	39,524	34,897
1927	134,083	12,587	51,970	198,640	23,200	941,255	40,608	34,825
1928	135,537	12,779	53,054	201,370	22,396	934,780	41,967	34,846

[1] Includes second track, 36,499 miles; third track, 3,160 miles; fourth and other, 2,596 miles.

Source: Interstate Commerce Commission.

No. 426.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles; 1920, 1,949 miles; 1925, 3,087 miles; 1927, 2,920 miles; 1928, 2,917 miles consisting of 1,753 miles of road, 501 miles of second main track, 74 miles of industrial tracks, and 589 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1927, 21,403 miles; 1928, 21,490 miles.

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	Third main track	Fourth and other main tracks	Yard track and sidings	Electrified mileage			
							Total track	Road, (first main track)	Other main tracks	Yard track and sidings
All districts:										
1916	364,137	231,674	29,223	2,716	2,190	98,334	[1]	[1]	[1]	[1]
1920	377,379	235,234	31,512	2,936	2,289	105,408	3,132	1,449	900	783
1925	391,539	236,848	35,200	3,111	2,506	113,874	[2] 3,598	[2] 1,674	972	952
1927	399,214	238,634	36,229	3,129	2,568	118,654	[2] 4,066	[2] 1,854	1,146	1,066
1928	403,481	240,747	36,499	3,160	2,596	120,479	4,850	2,383	1,243	1,224
Eastern district:										
1916	120,110	59,175	10,666	2,408	1,805	46,056	[1]	[1]	[1]	[1]
1927	128,268	59,135	18,524	2,699	2,041	45,869	2,141	622	888	631
1928	128,988	59,450	18,588	2,712	2,054	46,184	2,834	1,099	987	748
Southern district:										
1916	62,389	42,753	3,725	43	173	15,695	[1]	[1]	[1]	[1]
1927	72,306	45,416	5,627	126	322	20,815	625	270	176	179
1928	73,123	45,760	5,670	126	326	21,241	633	270	175	188
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	[1]	[1]	[1]	[1]
1927	198,640	134,083	12,078	304	205	51,970	1,300	962	82	256
1928	201,370	135,537	12,241	322	216	53,054	1,383	1,014	81	288

[1] Data not available.
[2] Does not include 43 miles in 1925 and 29 miles in 1927 of electric street railways operated by Boston & Maine R. R.

Source: Interstate Commerce Commission.

No. 427.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30:						
1907	3,774	36	192,896	1,541	1,989	41
1908	3,227	1,140	171,556	70,976	2,183	1,630
1909	1,549	1,333	67,925	83,223	1,786	1,691
1910	3,073	1,452	134,593	75,652	3,505	1,914
1911	3,694	1,408	125,532	68,031	4,250	1,701
1912	2,861	1,858	97,972	69,876	3,060	1,387
1913	4,381	2,338	162,670	96,825	2,823	1,842
1914	3,245	1,862	150,813	96,985	3,629	1,854
1915	1,114	1,507	86,012	90,347	2,664	1,385
1916	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31:						
1917	2,148	1,423	117,210	62,253	2,535	1,671
1918	2,803	977	65,249	56,024	1,817	1,051
1919	2,062	999	76,019	43,274	435	670
1920	1,017	1,254	36,044	75,197	621	885
1921	1,330	1,130	63,406	69,245	1,681	929
1922	1,226	1,682	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,873	139,083	128,573	3,230	3,569
1926	1,882	3,105	93,369	103,152	3,455	3,309
1927	1,542	2,976	73,254	96,991	2,646	3,612
1928	1,017	3,047	62,945	90,707	2,524	3,252

Source: Interstate Commerce Commission.

No. 428.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive power and capacity of cars exclude switching roads beginning with 1908 and smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included

Year	Locomotives					Freight-train cars [1]			Passenger-train cars
	Total number	Steam			Electric, number	Total number	Capacity		
		Number	Tractive power				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140	-------	-------	-------	-------	918,491	-------	-------	26,820
1895	35,699	-------	-------	-------	-------	1,196,119	-------	-------	33,112
1900	37,663	-------	-------	-------	-------	1,365,531	-------	-------	34,713
1905	48,357	-------	1,128,771	23,666	-------	1,731,409	53,255	30.8	40,713
1910	60,019	-------	1,588,894	27,282	-------	2,148,478	76,579	35.9	47,179
1915	66,502	66,229	[2] 2,014,201	[2] 31,546	273	2,341,567	[3] 92,238	[3] 39.6	55,810
Dec. 31, 1910	65,595	65,253	[2] 2,066,166	[2] 32,890	342	2,329,475	[3] 94,441	[3] 40.8	55,193
1917	66,070	65,699	[4] 2,087,950	[4] 33,932	371	2,379,472	[4] 95,467	[4] 41.6	55,939
1918	67,936	67,563	[4] 2,223,246	[4] 34,995	373	2,397,943	[4] 96,767	[4] 41.6	56,611
1919	68,977	68,592	[4] 2,312,634	[4] 35,789	385	2,426,889	[4] 99,001	[4] 41.9	56,290
1920	68,942	68,554	[4] 2,340,761	[4] 36,365	388	2,388,424	[4] 98,343	[4] 42.4	56,102
1921	69,122	68,733	[4] 2,385,470	[4] 36,935	389	2,378,510	[4] 98,504	[4] 42.5	56,950
1922	68,518	68,121	[4] 2,401,452	[4] 37,441	397	2,352,483	[4] 98,847	[4] 43.1	56,827
1923	69,414	69,005	[4] 2,544,115	[4] 39,177	409	2,379,131	[4] 101,318	[4] 43.8	57,159
1924	69,486	69,114	[4] 2,593,178	[4] 39,891	372	2,411,627	[4] 104,149	[4] 44.3	57,451
1925	68,092	67,713	[4] 2,586,868	[4] 40,666	379	2,414,083	[4] 105,570	[4] 44.8	56,814
1926	66,816	66,381	[4] 2,611,238	[4] 41,886	435	2,403,967	[4] 105,953	[4] 45.1	56,855
1927	65,348	64,843	[4] 2,606,171	[4] 42,798	467	2,378,800	[4] 105,846	[4] 45.5	55,729
1928	63,311	62,642	[4] 2,579,643	[4] 43,838	617	2,346,751	[4] 105,322	[4] 45.8	54,800

[1] Excludes caboose cars.
[2] Class I, Class II, and Class III roads.
[3] Class I and Class II roads.
[4] Class I roads.

No. 429.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Data relate to June 30 prior to 1916 and Dec. 31 thereafter. Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included

	All operating companies					Class I, 1928			
	1910	1915	1920	1925	1928	Total	Eastern district	Southern district	Western district
Freight cars [1]	2,148,478	2,341,567	2,388,424	2,414,083	2,346,751	2,297,589	1,056,666	420,728	820,095
Box	966,603	1,041,695	1,056,514	1,086,562	1,063,673	1,056,736	450,186	168,466	438,084
Flat	153,958	146,343	117,604	113,562	109,987	100,099	21,087	22,551	56,461
Stock	78,811	86,326	81,678	87,452	84,365	83,963	14,728	7,797	61,438
Coal	818,731	910,637	968,034	979,483	949,398	927,001	544,515	208,698	173,788
Tank	7,434	10,165	11,130	12,151	11,331	9,958	203	22	9,733
Refrigerator	30,918	52,446	60,768	49,488	42,967	42,295	4,747	5,431	32,117
Other	78,666	93,955	92,696	85,385	85,030	77,537	21,200	7,763	48,574
Steel [2]	(3)	501,309	630,150	757,065	803,587	803,587	529,737	146,435	127,415
Steel underframe [2]	(3)	676,176	886,296	1,056,125	1,099,016	1,099,016	456,277	105,567	447,172
Caboose cars	27,224	28,965	29,575	31,325	30,888	29,929	12,614	5,915	11,400
Passenger-train cars	[4] 47,179	55,810	56,102	56,814	54,800	53,097	26,285	8,282	18,530
Coaches	25,881	30,135	29,343	28,744	26,616	25,794	13,558	3,926	8,310
Combination	5,697	8,847	8,570	8,624	8,511	7,788	3,258	1,346	3,184
Emigrant	97	50	11	7	1	1	1	-------	-------
Parlor	634	651	574	502	482	475	94	76	305
Sleeping	490	750	558	377	253	251	7	7	237
Baggage and express	[5] 11,524	9,938	12,101	13,174	13,137	13,024	6,733	1,855	4,436
Postal	(5)	1,566	1,243	1,092	1,007	1,004	375	191	438
Other	2,752	3,873	3,702	4,294	4,793	4,760	2,259	881	1,620
Steel [2]	(3)	10,859	15,111	21,190	26,770	26,770	15,103	3,421	8,246
Steel underframe [2]	(3)	5,160	6,573	9,369	10,145	10,145	5,599	1,585	2,961
Company service equipment	80,891	98,752	108,485	112,592	111,960	108,471	35,212	18,934	54,325
Motor cars and trailers [2]	(3)	(3)	(3)	2,479	5,081	5,081	3,921	391	769

[1] Excludes caboose cars; total for 1910 includes 13,357 unclassified cars.
[2] Data represent Class I roads only.
[3] Data not available.
[4] Includes 104 unclassified cars.
[5] Postal cars included with baggage and express.

Source of Tables 428 and 429: Interstate Commerce Commission.

No. 430.—FREIGHT-CAR PERFORMANCE AND EQUIPMENT CONDITION

NOTE.—Data relate to Class I carriers. Yearly averages for 1920 to 1924 are as follows: Freight car-miles per car-day, 1920, 25.1; 1921, 22.4; 1922, 23.5; 1923, 27.3; 1924, 26.8; percentage of unserviceable freight cars, 1920, 7.0; 1921, 13.1; 1922, 12.8; 1923, 8.0; 1924, 7.8; percentage of unserviceable locomotives, 1920, 24.5; 1921, 28.7; 1922, 24.9; 1923, 21.4; 1924, 18.7

Month	Freight car-miles per car day					Percentage of unserviceable freight cars					Percentage of unserviceable locomotives				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Yearly average	28.5	30.4	30.3	31.2	32.4	7.7	6.5	5.9	6.2	6.0	17.8	16.6	16.2	16.3	16.3
January	26.5	27.6	28.5	27.6	29.5	8.0	6.6	5.6	5.8	6.0	18.8	17.1	16.6	16.0	16.8
February	26.9	28.6	30.4	29.8	32.4	7.8	6.7	5.7	5.9	6.2	18.8	17.3	16.8	16.6	17.0
March	26.4	29.2	30.9	30.9	32.3	7.8	6.7	5.6	6.0	6.2	18.9	17.6	17.0	16.6	17.0
April	26.6	29.0	29.5	29.9	32.0	7.9	6.7	5.6	6.2	6.2	18.5	17.5	16.9	16.7	16.9
May	27.4	29.8	30.2	31.1	32.9	8.1	6.8	5.9	6.5	6.3	18.0	17.0	16.6	16.5	16.2
June	27.5	30.1	30.0	30.3	32.4	8.3	6.9	6.1	6.3	6.2	17.7	16.6	16.4	16.1	15.9
July	27.8	30.5	29.1	30.3	32.1	8.2	7.0	6.2	6.4	6.2	17.3	16.1	15.8	16.1	15.8
August	29.6	31.5	30.9	32.1	33.5	8.1	7.0	6.2	6.5	6.0	17.1	16.1	15.8	16.1	15.8
September	30.8	32.7	32.6	33.8	34.2	7.8	6.6	6.0	6.5	6.0	17.1	15.8	15.3	16.0	15.9
October	32.3	34.3	34.7	36.2	36.3	7.1	6.1	5.9	6.2	5.7	17.2	15.8	15.5	16.2	16.0
November	31.0	32.1	30.2	33.2	32.4	6.9	5.8	5.9	6.1	5.6	17.2	16.3	16.7	16.1	16.4
December	28.0	29.3	26.9	29.5	28.2	6.8	5.5	5.8	5.9	5.4	16.9	16.0	15.6	16.4	16.2

Source: Bureau of Railway Economics.

No. 431.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881			5	110	3,742	1906	34	3,971	6	204	55,042
1882			12	912	39,074	1907	29	3,926	7	317	13,585
1883			11	1,990	108,470	1908	52	9,529	24	8,009	590,359
1884			37	11,038	714,755	1909	44	10,530	5	859	78,095
1885			44	8,836	385,460	1910	39	5,257	7	735	51,428
1886			13	1,799	70,346	1911	39	4,593	5	2,606	210,607
1887			9	1,046	90,318	1912	44	9,786	13	3,784	182,112
1888			22	3,270	186,814	1913	49	16,286	17	9,020	477,781
1889			22	3,803	99,664	1914	68	18,608	22	4,222	199,571
1890			26	2,963	105,007	1915	85	30,223	12	20,143	1,070,809
1891			26	2,159	84,479	1916	80	34,804	9	4,439	208,160
1892			36	10,508	357,692	1917	82	17,376	19	2,486	61,170
1893			74	29,340	1,781,046	1918	74	19,208	8	3,519	242,091
1894	192	40,819	38	7,025	395,791	1919	65	16,590	7	244	11,887
1895	169	37,856	31	4,089	369,075	1920	61	16,290	10	541	21,620
1896	151	30,475	34	5,441	275,597	1921	68	13,512	14	1,744	63,872
1897	128	18,862	18	1,537	92,909	1922	64	15,259	12	4,330	329,115
1898	94	12,745	18	2,069	138,701	1923	64	12,623	10	2,218	87,914
1899	71	9,853	10	1,019	52,285	1924	61	8,105	11	920	30,223
1900	52	4,178	16	1,165	78,234	1925	53	18,687	6	11,368	680,422
1901	45	2,497	4	73	1,627	1926	45	17,632	6	88	2,821
1902	27	1,475	5	278	5,835	1927	40	16,752	6	924	45,237
1903	27	1,185	9	229	18,823	1928	33	5,256	1	19	520
1904	28	1,323	8	744	36,069	1929	(2)	(2)	3	634	30,981
1905	26	796	10	3,593	176,321						

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Data not available.

Sources: First two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

No. 432.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION[1]

Year ended—	All operating carriers			
	Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation	
			Per hour[2]	Per year
June 30:				
1890	749,301			
1895	785,034	445,508		$568
1900	1,017,653	577,265		567
1901	1,071,169	610,714		570
1902	1,189,315	676,029		568
1903	1,312,537	757,321		577
1904	1,296,121	817,599		631
1905	1,382,196	839,945		608
1906	1,521,356	900,802		592
1907	1,672,074	1,072,386		641
June 30:				
1908	1,436,275	1,035,438		$721
1909	1,502,823	988,324		658
1910	1,699,420	1,143,725		673
1911	1,669,809	1,208,406		724
1912	1,716,380	1,252,348		730
1913	1,815,239	1,373,831		757
1914	1,710,296	1,381,117		808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
1916	1,700,814	1,506,961	.275	886

Year ended Dec. 31—	All operating carriers: Average number of employees	Class I carriers					
		Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation	
						Per hour[2]	Per year
1916	1,700,814	1,647,097	5,189,791	1,468,576	3,150.9	$0.283	$892
1917	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	.320	1,004
1918[3]	1,891,517	1,841,675	5,701,417	2,613,813	3,095.9	.458	1,419
1919[3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	[4] 1,698,132	1,662,403	4,348,587	2,896,159	2,615.7	.666	1,742

[1] Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.
[2] Calculated for all classes of employees, including those not paid on an hourly basis.
[3] Data cover Federal reports, reports of companies not under Federal control, and corporate reports.
[4] Estimated from data for Class I roads.

Source: Interstate Commerce Commission.

No. 433.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the footnote or stub. Data shown for principal occupations only. Data for occupations not shown included in group totals

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1928	1929	1928	1929	1928	1929	1928	1929
All employees, all districts	1,680,187	1,686,789	2,862,100	2,940,869				
Daily basis	*123,074*	*123,502*	*333,585*	*339,153*	*8.29*	*8.42*	*226*	*229*
Hourly basis	*1,557,113*	*1,563,287*	*2,528,515*	*2,601,716*	*.613*	*.625*	*135*	*139*
Eastern district	727,068	734,207	1,307,655	1,352,517				
Daily basis	*59,367*	*59,539*	*155,376*	*158,114*	*7.94*	*8.09*	*218*	*221*
Hourly basis	*667,699*	*674,668*	*1,152,280*	*1,194,403*	*.654*	*.665*	*144*	*148*
Southern district	314,680	311,476	486,544	488,558				
Daily basis	*19,717*	*19,523*	*55,699*	*55,711*	*8.70*	*8.80*	*236*	*238*
Hourly basis	*294,963*	*291,953*	*480,845*	*482,847*	*.568*	*.574*	*122*	*124*
Western district	638,441	641,086	1,067,901	1,099,794				
Daily basis	*43,990*	*44,440*	*122,511*	*125,328*	*8.57*	*8.70*	*232*	*236*
Hourly basis	*594,451*	*596,646*	*945,390*	*974,466*	*.591*	*.605*	*133*	*136*

No. 433.—Employees and Their Compensation: Class I Carriers—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1928	1929	1928	1929	1928	1929	1928	1929
Executives, officials, and staff assistants	16,890	16,995	93,976	96,048				
Daily basis	*16,890*	*16,995*	*93,976*	*96,048*	*17.53*	*17.78*	*464*	*471*
Executives, general officers, and assistants	7,570	7,698	55,427	57,338	[1]23.69	[1]24.07	610	621
Division officers and assistants	9,320	9,297	38,549	38,710	[1]12.73	[1]12.79	345	347
Professional, clerical, and general	271,388	270,566	470,022	474,648				
Daily basis	*53,171*	*54,185*	*123,473*	*127,125*	*7.44*	*7.52*	*194*	*196*
Hourly basis	*218,217*	*216,381*	*346,549*	*347,523*	*.620*	*.627*	*132*	*134*
Supervisory clerks (major departments)	4,984	4,954	14,847	14,908	[1]9.56	[1]9.67	248	251
Chief clerks (minor departments)	12,937	12,942	29,976	30,299	[1]7.33	[1]7.42	193	195
Clerks	155,460	153,454	255,458	255,342	.644	.651	137	139
Mechanical-device operators (office)	8,097	8,180	11,122	11,420	.562	.569	114	116
Stenographers and typists	20,979	21,058	31,074	31,490	.608	.613	123	125
Telephone-switchboard operators and office assistants	5,029	5,011	4,865	4,895	.394	.397	81	81
Messengers and office boys	6,261	6,168	4,529	4,509	[1]2.28	[1]2.31	60	61
Lieutenants and sergeants of police	2,406	2,287	5,078	4,860	[1]6.07	[1]6.15	176	177
Patrolmen	5,282	5,235	9,643	9,045	.564	.566	152	154
Traffic, advertising, and development agents	7,526	7,737	20,242	20,904	[1]8.77	[1]8.80	224	225
Janitors and cleaners	7,078	7,694	7,352	7,374	.373	.375	80	80
Maintenance of way and structures	400,198	411,210	449,344	468,025				
Daily basis	*6,051*	*6,156*	*14,980*	*15,268*	*9.26*	*9.28*	*247*	*248*
Hourly basis	*395,147*	*406,075*	*434,364*	*452,757*	*.439*	*.448*	*92*	*93*
Roadmasters and general foremen	3,393	3,407	10,285	10,319	[1]9.45	[1]9.45	253	252
Bridge and building gang foremen (skilled)	5,438	5,472	11,304	11,513	.823	.828	173	175
Bridge and building carpenters	21,756	22,045	32,811	33,615	.622	.626	126	127
Bridge and building painters	2,746	3,096	4,031	4,629	.626	.633	122	125
Skilled trades helpers	10,277	11,230	12,355	13,651	.499	.503	100	101
Pumping equipment operators	4,625	4,319	4,740	4,503	.339	.343	85	87
Gang foremen (extra gang, work train, bridge, and building and signal and telegraph laborers)	4,755	5,162	8,380	9,289	.659	.660	147	150
Gang or section foremen	40,038	39,807	62,602	63,341	.613	.617	130	132
Laborers (extra gang and work train)	62,145	67,156	57,931	63,515	.361	.364	78	79
Track and roadway section laborers	207,174	210,084	181,266	185,415	.355	.357	73	74
Maintenance of way laborers (not track and roadway)	8,053	8,217	7,478	7,691	.379	.382	77	78
General foremen and supervising inspectors (signal, telegraph, etc.)	551	571	1,712	1,791	[1]9.66	[1]9.72	259	261
Gang foremen (signal and telegraph, skilled trades)	1,475	1,508	3,585	3,749	.940	.953	203	207
Signalmen and signal maintainers	9,169	9,457	18,161	19,576	.774	.801	165	173
Assistant signalmen and signal maintainers	3,198	3,239	4,944	5,231	.628	.653	129	135
Signalmen and signal maintainer helpers	3,670	4,258	4,689	5,755	.521	.545	106	113
Maintenance of equipment and stores	461,285	455,858	734,359	760,472				
Daily basis	*15,923*	*15,733*	*47,909*	*47,667*	*9.02*	*9.09*	*251*	*253*
Hourly basis	*445,362*	*440,125*	*686,450*	*712,805*	*.614*	*.639*	*128*	*135*
General foremen	1,426	1,417	5,239	5,230	[1]10.88	[1]10.94	306	308
Assistant general and department foremen	10,703	10,510	33,690	33,305	[1]9.25	[1]9.32	262	264
Gang foremen and leaders (skilled)	10,337	9,926	27,729	27,181	.936	.947	224	228
Blacksmiths	7,864	7,732	14,461	15,060	.802	.835	153	162
Boilermakers	16,838	16,207	32,512	33,307	.795	.832	161	172
Carmen	99,912	99,430	180,056	189,910	.723	.759	150	159
Electrical workers	10,331	10,463	20,315	21,568	.754	.784	164	173
Machinists	55,792	54,714	105,945	110,447	.780	.816	158	168

[1] Daily basis.

No. 433.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1928	1929	1928	1929	1928	1929	1928	1929
Maintenance of equipment, etc.—Continued.								
Sheet-metal workers	10,954	10,931	20,682	21,888	0.781	0.817	157	167
Skilled trades helpers	101,122	101,208	136,356	145,474	.547	.578	112	120
Helper apprentices	5,406	4,693	7,251	6,552	.586	.607	112	117
Regular apprentices	10,975	10,616	10,385	10,820	.424	.451	79	85
Gang foremen laborers (shops, engine houses, power plants, stores)	3,850	3,758	6,301	6,217	.605	.610	136	138
Coach cleaners	12,189	12,053	14,135	14,097	.413	.414	97	97
Laborers	90,748	89,786	94,879	95,065	.405	.408	87	88
Stationary engineers and firemen	7,467	7,123	12,882	12,530	.593	.603	144	147
Transportation (other than train service, engine, and yard)	197,467	195,948	298,472	298,541				
Daily basis	*25,269*	*24,641*	*31,151*	*30,713*	*3.48*	*3.54*	*103*	*104*
Hourly basis	*172,198*	*171,307*	*267,321*	*267,828*	*.571*	*.577*	*129*	*130*
Train dispatchers and directors	5,291	5,252	17,683	17,820	1.232	1.249	279	283
Station agents—								
Nontelegraphers—								
Major stations—supervisory	2,474	2,466	7,638	7,648	[1] 9.45	[1] 9.50	257	258
Smaller stations—supervisory	5,234	5,134	11,422	11,361	.815	.831	182	184
Nonsupervisory	3,299	3,078	4,124	3,909	.491	.498	104	106
Telegraphers and telephoners	18,858	18,664	33,745	33,506	.647	.653	149	150
Clerks—telegraphers and telephoners	13,340	13,268	23,997	23,994	.641	.649	150	151
Telegraphers, telephoners, and towermen	23,398	23,187	43,597	43,390	.668	.683	155	156
Baggage agents and assistants	721	708	1,243	1,217	.591	.593	144	143
Baggage, parcel-room, and station attendants	8,660	8,378	11,110	11,020	.468	.475	107	110
Gang foremen (freight station, warehouse, grain elevator, and dock labor)	3,521	3,519	6,242	6,308	.666	.672	148	149
Callers, loaders, scalers, sealers, perishable-freight inspectors	14,872	14,979	19,235	19,500	.528	.533	108	108
Truckers	34,270	34,013	39,405	39,499	.462	.466	96	97
Laborers	6,343	6,301	7,233	7,390	.424	.426	95	97
Crossing and bridge flagmen and gatemen	21,240	20,602	19,607	19,100	[1] 2.57	[1] 2.60	77	77
Transportation (yardmasters, switch tenders, and hostlers)	22,142	21,788	52,237	51,877				
Daily basis	*6,770*	*6,818*	*22,095*	*22,331*	*8.91*	*8.98*	*272*	*273*
Hourly basis	*15,372*	*14,975*	*30,142*	*29,546*	*.688*	*.691*	*163*	*164*
Yardmasters and assistants	6,770	6,813	22,095	22,331	[1] 8.91	[1] 8.98	272	273
Switch tenders	5,327	5,232	9,600	9,436	.644	.646	150	150
Hostlers	8,317	8,068	17,382	16,977	.730	.732	174	175
Transportation (train and engine service)	310,617	314,404	763,689	791,256				
Hourly basis	*310,617*	*314,404*	*763,689*	*791,256*	*.881*	*.842*	*205*	*210*
Road passenger conductors	10,994	10,077	31,222	32,014	.932	.952	258	265
Road freight conductors	23,925	24,008	66,733	69,717	.838	.858	232	241
Road passenger baggagemen	5,548	5,477	13,127	13,314	.700	.714	197	203
Road passenger brakemen and flagmen	13,402	13,067	27,790	28,232	.650	.669	173	180
Road freight brakemen and flagmen	56,763	56,587	118,893	123,086	.665	.680	175	181
Yard conductors and yard foremen	21,020	21,880	53,320	55,910	.896	.896	211	213
Yard brakemen and yard helpers	51,680	53,267	112,228	116,878	.827	.827	181	183
Road passenger engineers and motormen	12,569	12,558	42,595	43,429	1.253	1.268	282	288
Road freight engineers and motormen	29,275	29,411	95,318	98,297	1.021	1.035	271	279
Yard engineers and motormen	21,075	21,859	54,744	57,986	.928	.940	216	221
Road passenger firemen and helpers	11,732	11,519	30,056	30,108	.978	.994	213	218
Road freight firemen and helpers	30,962	30,979	72,076	74,103	.773	.783	194	199
Yard firemen and helpers	21,492	22,325	42,268	44,075	.724	.732	164	167

[1] Daily basis.
Source: Interstate Commerce Commission.

No. 434.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1908; their total capitalization in 1928 was $695,000,000. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	----------	3,445	4,132	54.5
1895	10,347	4,202	760	5,385	1,052	396	8,900	----------	3,910	4,989	56.1
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	----------	4,375	5,172	54.2
1905	13,805	5,181	1,374	7,251	2,070	568	11,167	----------	4,485	6,683	59.8
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1915	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917	21,249	7,455	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,454	66,893	6,732	9,722	59.1
1919	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920	21,891	7,216	1,898	12,778	2,407	2,400	16,994	68,787	6,707	10,287	60.6
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,816	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923	22,889	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,560	1,926	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5
1927	23,615	7,683	1,980	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7

No. 435.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded since 1908. Dividend figures throughout cover all classes of roads but interest figure for 1913 excludes the unimportant Class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company but includes that held by other railway companies

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891–1895	----------	1,737,048	----------	94,093	5.42	----------	243,013
1896–1900	----------	1,977,332	----------	104,295	5.27	----------	249,548
1901	----------	2,977,575	51.27	156,736	5.26	2.70	262,095
1902	----------	3,337,645	55.40	185,392	5.55	3.08	274,422
1903	----------	3,450,738	56.06	196,728	5.70	3.20	283,953
1904	----------	3,643,427	57.47	221,941	6.09	3.50	297,675
1905	----------	4,119,087	62.84	237,964	5.78	3.63	310,632
1906	----------	4,526,959	66.54	272,796	6.03	4.01	322,556
1907	----------	4,948,756	67.27	308,089	6.23	4.19	344,243
1908	7,300,739	4,843,371	65.69	390,695	8.07	5.30	368,296
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	5,780,982	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.36	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831

Source of Tables 434 and 435: Interstate Commerce Commission.

No. 436.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

NOTE.—**All figures in thousands of dollars.** Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

Security and year ended Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1916	19,630,610	7,506,045	2,880,243	9,244,322	16,088,847	660,027	143,862	2,737,874
1920	20,098,046	7,881,150	3,004,582	9,212,314	16,855,230	537,113	107,269	2,598,434
1925	21,734,096	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,753
1927	21,848,929	8,610,430	3,517,218	9,721,281	18,297,036	417,301	81,244	3,053,348
1928	22,025,588	8,670,475	3,537,797	9,817,316	18,607,051	381,983	76,653	2,959,901
Stock:								
1916	8,755,403	3,426,697	1,167,376	4,161,330	6,953,102	382,614	91,634	1,328,053
1920	8,843,100	3,474,212	1,166,809	4,202,079	7,209,735	286,688	67,247	1,279,430
1925	9,413,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,409,985
1927	9,539,491	3,933,885	1,343,196	4,262,410	7,831,282	243,285	55,141	1,409,783
1928	9,722,079	4,063,179	1,362,100	4,296,800	8,079,978	226,633	52,451	1,363,017
Funded debt:								
1916	10,875,207	4,079,348	1,712,867	5,082,992	9,135,745	277,413	52,228	1,409,821
1920	11,254,946	4,406,938	1,837,773	5,010,235	9,645,495	250,425	40,022	1,319,004
1925	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768
1927	12,309,438	4,676,545	2,174,022	5,458,871	10,465,754	174,016	26,103	1,643,565
1928	12,303,509	4,607,296	2,175,697	5,520,516	10,527,073	155,350	24,202	1,596,884
1928								
Common stock	7,702,686	3,420,925	1,150,790	3,130,971	6,207,284	208,245	48,740	1,238,417
Preferred stock	2,019,393	642,254	211,310	1,165,829	1,872,694	18,388	3,711	124,600
Mortgage bonds	9,630,590	3,529,529	1,644,054	4,457,007	7,996,398	146,041	21,204	1,466,947
Collateral trust bonds	795,301	353,166	179,202	262,933	738,077	712	251	56,261
Income bonds	378,101	18,877	37,131	322,093	360,320	2,667	1,371	13,743
Miscellaneous obligations	519,913	291,222	56,743	171,948	466,656	2,198	1,032	50,027
Equipment obligations	979,604	414,502	258,667	306,535	965,622	3,732	344	9,906

No. 437.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS: REPORTED BY OPERATING ROADS

NOTE.—**All figures except as indicated in thousands of dollars.** Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

Year ended—	Investment [1]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
June 30:		*Dollars*		*Per cent*			
1908	13,213,767	61,779	634,794	4.80	246,420	485,311	329,062
1909	13,609,184	61,391	710,474	5.22	175,706	498,016	272,043
1910 [2]	14,557,816	64,382	805,097	5.53	222,915	511,417	351,202
1913	16,588,603	69,780	806,801	4.86	243,599	664,414	327,967
1914	17,153,786	72,079	674,190	3.93	246,187	576,487	380,339
1915	17,441,420	73,208	694,276	3.98	189,300	575,198	264,267
1916	17,689,425	73,795	1,002,935	5.67	195,458	594,378	286,618
Dec. 31:							
1916	17,842,777	74,466	1,058,506	5.93	213,324	623,180	311,876
1917	18,574,298	77,163	950,557	5.12	[3] 233,252	[3] 574,290	325,601
1918	18,984,756	78,820	646,223	3.40	(4)	[3] 667,588	279,929
1919	19,300,121	79,974	454,132	2.35	(4)	[3] 630,559	281,569
1920	19,849,320	81,954	12,101	.06	(4)	[3] 610,516	275,348
1921	20,329,224	84,530	601,139	2.96	[3] 375,001	[3] 662,375	403,991
1922	20,580,168	86,004	769,411	3.74	[3] 265,033	[3] 655,647	275,722
1923	21,372,858	89,619	974,918	4.56	[3] 260,655	[3] 667,616	353,127
1924	22,182,267	93,233	984,463	4.44	[3] 269,188	[3] 684,559	325,983
1925	[1] 23,230,916	94,917	1,136,728	4.89	[3] 268,142	[3] 688,387	349,089
1926	[1] 23,880,740	97,433	1,229,020	5.15	[3] 297,929	[3] 701,965	411,208
1927	[1] 24,453,871	99,546	1,077,843	4.41	[3] 311,198	[3] 706,284	503,146
1928	[1] 24,875,984	100,974	1,182,467	4.75	[3] 320,011	[3] 706,052	436,217

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $493,923,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

[2] Investment originally published is increased by $170,000,000, estimated reserve for depreciation.

[3] Does not include returns for Class II and Class III companies.

[4] Figures not comparable on account of Federal control accounting requirements.

Source of Tables 436 and 437: Interstate Commerce Commission.

No. 438.—FREIGHT TRAFFIC: Train and Car Movement

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916–1920. Tons are of 2,000 pounds

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467,200			184		1.62		
1896–1900	489,723			229		1.76		
1901–1905	519,896	9,631,628	4,320,390	304	17.4	2.35		
1906–1910	603,105	11,754,421	5,234,008	359	19.5	2.72		
1911–1915	608,512	13,369,203	6,169,216	432	20.7	3.19		
1916–1920	617,430	15,444,150	6,904,625	604	25.3	[1] 5.30		
1921–1925	577,844	15,243,111	8,096,532	621	24.6	[1] 7.28		
1906	594,006	11,410,599	5,176,955	344	18.9	2.61		
1907	629,996	12,021,326	5,098,572	357	19.7	2.74		
1908	587,218	11,128,231	5,153,181	352	19.6	2.65		
1909	568,855	11,360,655	5,242,095	363	19.3	2.76		
1910	635,451	12,851,295	5,498,337	380	19.8	2.86		
1911	626,496	12,850,386	5,832,515	383	19.7	2.90		
1912	612,345	13,068,332	5,767,144	407	20.2	3.02		
1913	[2] 643,841	[2] 14,271,944	[2] 6,120,861	[2] 445	[2] 21.1	[2] 3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	[2] 3.31		
1915	562,004	12,939,535	6,594,287	476	21.1	[2] 3.47	[2] 15.5	
1916	632,304	15,855,103	6,779,225	552	22.8	[2] 3.93	[2] 16.3	
1917	646,402	15,911,203	6,780,872	588	24.8	[1] 4.27	[1] 17.7	
1918	628,436	14,995,357	7,167,144	621	27.0	[1] 5.33	[1] 22.9	
1919	560,499	14,273,422	6,531,570	623	25.4	[1] 6.14	[1] 24.8	[1] 23.0
1920	619,507	15,336,778	7,264,316	639	26.7	[1] 6.81	[1] 28.1	[1] 25.1
1921	519,817	12,449,086	7,309,102	567	24.6	[1] 7.38	[1] 31.4	[1] 22.4
1922	544,486	13,926,355	6,798,121	599	24.3	[1] 7.19	[1] 28.6	[1] 23.5
1923	631,167	16,374,750	8,536,002	632	25.2	[1] 7.19	[1] 28.1	[1] 27.8
1924	590,879	15,859,163	8,519,637	634	24.5	[1] 7.22	[1] 27.3	[1] 26.8
1925	602,873	16,836,710	9,319,706	663	24.6	[1] 7.41	[1] 26.9	[1] 28.5
1926	622,295	17,759,004	10,154,842	689	25.0	[1] 7.58	[1] 27.0	[1] 30.4
1927	598,435	17,390,777	10,298,061	690	24.6	[1] 7.59	[1] 26.6	[1] 30.3
1928	589,616	17,757,670	10,487,254	706	24.3	[1] 7.77	[1] 26.3	[1] 31.3
Class I roads, total:								
1916–1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	
1921–1925	567,286	14,988,046	8,032,691	633	27.1	7.28	28.3	25.8
1926	610,980	17,640,926	10,077,357	701	27.4	7.58	27.0	30.4
1927	588,081	17,288,758	10,231,801	702	27.1	7.50	26.6	30.3
1928	579,809	17,663,240	10,423,988	718	26.6	7.77	26.3	31.2
1929	611,919	18,277,152	10,840,152	731	26.9	7.87	26.3	32.4
Eastern district:								
1916–1920	244,387	6,512,690	3,059,466	738	28.1	6.05	23.0	
1921–1925	220,500	6,183,778	3,317,411	744	28.8	8.51	30.7	22.4
1926	239,823	7,185,667	4,079,957	795	28.8	8.70	29.4	26.5
1927	226,704	6,952,881	4,141,499	796	28.5	8.70	28.8	26.2
1928	217,831	7,072,008	4,170,945	828	27.7	9.07	28.3	26.8
1929	226,157	7,364,006	4,342,878	850	27.9	9.27	28.5	28.2
Southern district:								
1916–1920	113,132	2,620,391	1,246,908	581	26.0	4.44	19.9	
1921–1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	30.0
1926	135,916	3,540,988	2,203,300	727	31.1	6.55	25.7	36.7
1927	127,386	3,409,143	2,176,295	735	30.7	6.66	25.4	36.8
1928	120,979	3,296,245	2,105,551	736	30.1	6.67	25.1	36.4
1929	125,095	3,392,284	2,158,801	754	30.4	6.80	25.1	37.7
Western district:								
1916–1920	246,903	6,023,340	2,530,519	510	22.2	5.00	21.7	
1921–1925	228,277	5,946,330	3,100,884	531	24.3	6.70	26.9	28.2
1926	235,241	6,914,271	3,794,100	596	23.9	7.07	25.2	32.6
1927	233,991	6,926,734	3,914,007	598	23.9	7.05	24.9	32.5
1928	240,999	7,924,987	4,147,492	615	23.9	7.17	24.8	34.5
1929	260,667	7,520,862	4,338,473	617	24.3	7.17	24.8	35.2

[1] Data available for Class I roads only.

[2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 439.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see Table 443, p. 409. Tons are of 2,000 pounds.

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		System	Individual road	Amount (1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891–1895		692,446	85,693		506,809		123.75	758,930	0.886
1896–1900		874,389	113,962		611,128		130.33	879,837	.772
1901–1905	691,120	1,266,313	167,715		820,016	242.67	132.44	1,298,713	.774
1906–1910	930,254	1,673,431	228,936		1,006,849	246.10	136.81	1,744,525	.762
1911–1915	1,074,121	1,903,074	277,073		1,104,718	257.95	145.59	2,051,625	.740
1916–1920	1,325,772	2,378,164	390,815		1,510,297	294.78	164.33	3,419,260	.875
1921–1925	1,231,193	2,216,318	375,468		1,455,688	304.90	169.41	4,377,618	1.166
1901	583,692	1,089,226	147,077		760,414	251.98	135.03	1,118,543	.750
1902	657,847	1,200,316	157,289		793,351	239.10	131.04	1,207,229	.757
1903	714,768	1,304,394	173,221		855,442	242.35	132.80	1,338,020	.763
1904	714,375	1,309,899	174,522		829,476	244.30	133.23	1,379,003	.780
1905	784,920	1,427,782	186,463		861,396	237.56	130.60	1,450,773	.766
1906	896,169	1,631,374	215,878		982,401	240.89	132.33	1,640,387	.748
1907	977,489	1,796,337	246,601		1,062,119	242.05	131.71	1,823,652	.759
1908	869,798	1,532,982	218,382		974,654	253.94	143.83	1,655,419	.754
1909	881,334	1,556,560	218,803		953,986	251.10	141.87	1,677,614	.763
1910	1,026,492	1,849,900	255,017		1,071,086	259.68	138.31	1,925,553	.753
1911	1,003,054	1,781,038	253,784		1,053,566	254.10	142.88	1,925,951	.757
1912	1,031,207	1,844,978	264,051		1,078,580	256.87	143.44	1,968,599	.744
1913	1,182,548	[1] 2,058,035	301,730		1,190,397	255.15	[2] 144.40	[1] 2,198,931	[1] .729
1914	1,129,992	2,002,026	288,637		1,125,084	255.43	144.17	2,126,717	.737
1915	1,023,803	1,828,692	277,135		1,075,962	270.69	151.55	2,037,926	.735
1916	1,317,246	2,347,396	366,173		1,409,957	277.98	155.99	2,631,092	.719
1917	1,382,005	2,453,423	398,263		1,538,211	288.18	162.33	2,897,436	.728
1918	1,376,845	2,477,092	408,778		1,582,796	296.89	165.02	3,522,052	.862
1919	1,189,765	2,185,285	367,161		1,423,309	308.60	168.60	3,624,886	.987
1920	1,362,999	2,427,622	413,699		1,597,133	303.52	170.41	4,420,833	1.069
1921	1,017,818	1,808,836	309,533		1,199,328	304.11	171.12	4,004,109	1.294
1922	1,111,822	1,974,618	342,138		1,330,460	307.77	173.29	4,085,742	1.194
1923	1,387,755	2,503,117	416,256		1,615,741	299.94	166.29	4,712,495	1.132
1924	1,287,413	2,331,291	391,945		1,581,556	304.44	168.12	4,437,380	1.132
1925	1,351,155	2,463,725	417,418		1,613,862	308.93	169.43	4,648,364	1.114
1926	1,439,612	2,627,492	447,444		1,732,295	319.81	170.29	4,905,981	1.096
1927	1,372,547	2,510,054	432,014		1,668,800	314.75	172.11	4,728,885	1.095
1928	1,371,359	2,504,196	436,087		1,677,089	318.00	174.14	4,771,562	1.094
Class I Roads:									
1916–1920	1,216,452	2,211,754	387,377		1,662,549	318.52	175.14	3,336,480	.861
1921–1925	1,135,499	2,068,262	372,216	409,740	1,581,865	327.80	179.97	4,277,134	1.149
1926	1,336,142	2,465,369	443,746	486,265	1,875,304	332.11	179.99	4,797,780	1.081
1927	1,281,611	2,363,639	428,737	471,793	1,801,414	334.53	181.39	4,632,321	1.080
1928	1,285,943	2,361,623	432,915	473,774	1,802,703	336.65	183.31	4,680,450	1.081
1929	1,339,091	2,451,601	447,260	492,180	1,864,839	334.00	184.25	4,814,842	1.077
Eastern district:									
1916–1920	590,689	1,262,780	183,006		3,089,938	309.78	144.92	1,485,056	.811
1921–1925	510,141	1,112,147	166,644	178,569	2,827,013	326.66	149.84	1,906,544	1.144
1926	580,200	1,309,242	193,717	207,798	3,284,052	333.88	147.96	2,120,301	1.094
1927	541,075	1,237,669	183,739	198,474	3,115,925	339.58	148.46	2,008,136	1.093
1928	545,968	1,238,607	183,518	196,783	3,091,354	336.13	148.16	2,011,314	1.096
1929	576,718	1,294,927	192,241	205,814	3,235,877	333.34	149.74	2,095,610	1.090
Southern district:									
1916–1920	208,528	324,057	68,621		1,590,465	329.07	211.76	524,210	.764
1921–1925	234,018	353,728	77,047	84,282	1,756,400	329.24	217.81	749,632	.973
1926	310,578	461,263	101,426	110,692	2,282,063	326.57	219.89	913,966	.901
1927	308,893	449,753	96,339	105,219	2,128,963	311.88	214.20	871,910	.905
1928	294,173	427,027	91,958	99,761	2,011,439	312.60	215.34	833,977	.907
1929	295,468	429,575	94,272	103,285	2,071,938	319.06	221.86	851,172	.903
Western district:									
1916–1920	417,235	624,917	135,751		1,039,046	325.23	217.61	1,327,215	.978
1921–1925	391,340	602,387	128,525	146,889	970,062	328.42	213.36	1,620,958	1.261
1926	445,364	694,864	148,603	167,775	1,115,686	333.67	213.86	1,763,513	1.187
1927	431,643	676,217	148,629	168,100	1,111,412	344.40	219.84	1,752,275	1.179
1928	445,802	695,989	157,439	177,230	1,165,653	353.16	226.21	1,835,165	1.166
1929	466,905	727,099	160,747	183,081	1,191,337	344.28	223.65	1,868,060	1.162

[1] Class I and Class II roads.
[2] Includes estimates for traffic roads of Class II or Class III or both where these roads were not included in the published totals.

Source: Interstate Commerce Commission.

No. 440.—REVENUE AND TRAFFIC BY MONTHS: CLASS I CARRIERS

NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton mileage. Data except as indicated include Class I switching and terminal companies

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1910 [1]	234.7	209.1	200.7	235.7	223.9	232.5	236.2	231.5	253.0	254.8	261.2	244.9	233.2
1911	231.2	211.6	196.0	223.5	214.9	226.2	228.4	228.9	249.9	253.6	261.9	244.2	234.9
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	298.2	275.9	264.4
1913	260.9	247.0	229.9	246.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	266.6	252.4
1914	244.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	266.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916	307.1	260.9	262.8	290.2	282.0	301.0	300.0	308.2	327.2	325.3	338.7	322.7	311.1
1917	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918	410.5	285.4	260.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920	519.0	500.8	424.6	460.2	462.3	457.6	494.7	520.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	406.5	459.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	495.9	425.3
1922	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	523.6	513.6
1923	523.9	502.5	446.9	535.8	523.3	548.1	541.3	536.3	564.5	546.1	587.9	532.0	494.6
1924	499.0	469.0	479.5	505.4	475.2	477.5	465.7	481.8	508.5	541.0	572.9	505.9	505.2
1925	515.6	485.0	455.2	486.7	473.7	489.0	507.0	522.5	555.5	565.6	591.5	533.0	524.1
1926	538.8	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927	517.6	487.6	469.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	504.3	467.7
1928	515.7	458.2	456.8	506.1	475.1	511.5	503.2	513.7	553.8	556.9	618.8	532.1	496.8
1929	529.2	487.0	475.1	517.0	514.0	537.7	531.7	557.6	586.6	566.7	608.7	499.2	468.9
FREIGHT REVENUE (millions of dollars)													
1914	166.0	156.1	140.9	174.3	160.2	159.0	164.1	168.5	177.0	185.1	188.8	163.3	154.3
1915	178.9	147.2	143.3	163.4	161.9	165.3	168.8	170.3	181.0	198.7	220.6	219.3	206.4
1916	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	228.8	245.6	236.4	214.6
1917	236.1	211.7	185.1	227.3	227.9	251.9	247.3	241.6	250.3	242.2	271.4	254.7	221.7
1918	288.2	188.8	193.6	259.9	264.5	263.3	263.8	328.4	350.9	342.1	365.4	322.6	309.7
1919	296.3	278.4	242.3	256.0	265.7	286.7	284.3	306.5	313.8	340.7	368.5	303.5	303.7
1920	360.6	311.6	299.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921	327.2	324.9	284.2	320.8	304.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922	334.1	277.1	294.6	354.3	288.9	319.6	331.0	299.6	326.5	355.9	406.4	389.9	364.2
1923	385.5	367.0	326.8	398.8	386.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.9	344.8	323.4	340.1	358.5	399.2	439.0	381.0	362.2
1925	379.4	350.8	336.9	360.8	347.2	359.4	366.1	377.5	403.4	419.7	450.8	402.5	379.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927	387.5	363.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	426.9	452.9	386.0	334.9
1928	391.4	338.0	346.3	388.4	356.6	391.7	370.8	382.2	421.8	424.1	493.1	415.9	368.1
1929	402.0	366.8	363.0	393.4	393.1	412.0	390.4	416.4	446.0	435.0	483.0	384.0	340.8
PASSENGER REVENUE (millions of dollars)													
1918	86.0	66.5	62.3	73.1	72.5	79.2	94.8	104.7	113.8	105.9	84.8	81.8	93.0
1920	107.3	91.9	82.6	92.6	93.0	98.9	107.4	123.2	132.9	129.9	113.9	106.7	114.8
1922	89.7	83.7	73.6	80.6	83.5	85.5	96.0	100.7	101.6	97.5	90.2	84.8	98.5
1924	89.7	91.7	83.4	87.1	85.2	85.6	96.0	97.4	104.6	93.2	82.9	78.8	90.9
1926	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
1927	81.4	86.0	74.3	76.7	77.4	78.6	86.0	91.7	91.7	86.3	75.2	70.9	81.9
1928	75.2	78.6	69.5	70.6	71.1	70.4	81.8	82.8	85.2	80.2	69.7	65.3	76.7
1929	72.8	75.0	68.2	71.0	67.5	68.9	79.3	79.6	84.3	75.7	66.1	62.5	74.4
FREIGHT TON-MILES (millions) [2]													
1918	36,410	27,620	29,678	37,706	37,993	37,507	37,668	39,347	40,776	39,579	39,842	35,564	33,639
1919	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,353
1920	37,445	34,964	32,968	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,725
1921	34,478	29,784	24,915	26,816	25,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	25,723
1922	31,320	27,151	28,451	32,941	24,735	27,940	29,062	27,115	30,472	34,334	39,287	38,077	36,271
1923	38,133	37,707	32,628	39,222	38,321	39,508	38,001	38,518	40,344	39,461	42,210	38,158	33,427
1924	35,803	34,510	35,982	36,426	31,926	33,915	31,968	33,185	36,457	39,004	43,134	38,067	35,006
1925	38,007	37,026	33,570	35,332	33,571	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,680	35,405	38,669	36,300	39,834	39,252	41,717	43,734	44,346	48,206	43,360	40,116
1927	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,309	41,984	42,059	45,537	37,250	34,592
1928	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,022	39,104	38,129	40,213	38,334	42,027	40,725	41,091	44,944	44,219	47,814	38,722	36,040

[1] Returns for January to October, inclusive, do not include switching and terminal companies.
[2] Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

No. 441.—PASSENGERS CARRIED AND PASSENGER REVENUE

NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
All roads:									
1891–1895	546,762	13,383	24.48	321,031	----------	281,415	$1.05	2.10	42
1896–1900	520,459	13,863	26.64	345,457	----------	279,900	.99	2.02	39
1901–1905	681,261	20,737	30.44	423,244	----------	416,609	1.11	2.01	45
1906–1910	885,003	28,683	32.41	509,868	----------	566,815	1.26	1.98	53
1911–1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916–1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	[1] 2.13	2.40	[1] 72
1921–1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	[1] 2.47	3.02	[1] 65
1901	607,278	17,354	28.58	385,173	----------	351,356	1.03	2.01	42
1902	649,879	19,690	30.30	405,613	----------	392,963	1.09	1.99	45
1903	694,892	20,916	30.10	425,142	----------	421,705	1.12	2.01	46
1904	715,420	21,923	30.64	440,465	----------	444,327	1.14	2.01	46
1905	738,835	23,800	32.21	459,827	----------	472,695	1.16	1.96	48
1906	797,946	25,167	31.54	479,038	----------	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	----------	564,906	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,660	566,833	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,683	32,338	33.50	549,015	2,998,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	[2] 593,061	[2] 3,320,488	[2] 695,988	[2] 1.36	[2] 2.01	[2] 55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	[2] 1.34	1.99	[2] 56
1915	985,676	32,475	32.95	580,448	3,229,496	640,475	[2] 1.31	1.99	[2] 53
1916	1,048,987	35,220	33.58	595,441	3,409,639	722,359	[2] 1.44	2.05	[2] 56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	[1] 1.69	2.10	[1] 65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	[1] 2.23	2.42	[1] 76
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	[1] 2.46	2.55	[1] 82
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	[1] 2.78	2.76	[1] 80
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	[1] 2.51	3.09	[1] 67
1922	989,509	35,811	36.19	553,919	3,445,869	1,087,516	[1] 2.50	3.04	[1] 65
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	[1] 2.56	3.03	[1] 67
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	[1] 2.41	2.99	[1] 63
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	[1] 2.37	2.94	[1] 63
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	[1] 2.33	2.94	[1] 61
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	[1] 2.23	2.90	[1] 59
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	[1] 2.13	2.85	[1] 56
Class I roads:									
1916–1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921–1925	962,153	36,556	37.99	558,568	3,572,202	1,100,602	2.47	3.01	65
1926	862,361	35,478	41.14	573,627	3,836,788	1,041,816	2.33	2.94	61
1927	829,918	33,650	40.55	568,538	3,830,557	974,951	2.23	2.90	59
1928	790,327	31,601	39.99	561,000	3,798,733	901,019	2.13	2.85	56
1929	779,045	31,078	39.89	565,815	3,767,919	872,560	-------	2.81	55
Eastern district:									
1916–1920	693,837	19,590	28.23	231,816	1,427,364	439,137	2.32	2.24	83
1921–1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926	608,365	18,762	30.84	238,329	1,634,092	523,475	2.77	2.79	78
1927	591,510	18,165	30.71	236,208	1,640,957	502,365	2.70	2.77	76
1928	571,801	17,386	30.41	234,586	1,634,510	474,824	2.61	2.73	74
1929	566,645	17,277	30.49	238,359	1,603,168	467,314	-------	2.71	72
Southern district:									
1916–1920	130,052	6,295	45.27	91,976	535,012	160,704	1.98	2.55	65
1921–1925	108,845	5,191	47.69	96,314	582,587	174,436	2.22	3.36	53
1926	88,671	5,187	58.49	103,399	667,380	173,755	2.10	3.35	50
1927	85,609	4,508	52.65	100,870	642,168	147,282	1.87	3.27	44
1928	79,005	4,034	51.05	97,391	617,691	129,565	1.75	3.21	41
1929	75,927	3,762	49.55	96,501	608,438	118,852	-------	3.16	39
Western district:									
1916–1920	281,166	16,105	57.28	232,704	1,444,548	405,849	2.00	2.52	64
1921–1925	210,952	12,729	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926	165,325	11,529	69.74	231,899	1,535,316	344,586	1.99	2.99	49
1927	152,799	10,977	71.84	231,460	1,547,432	325,304	1.90	2.96	47
1928	139,521	10,181	72.97	229,624	1,546,532	296,630	1.81	2.91	44
1929	136,473	10,039	73.56	230,955	1,546,313	286,394	-------	2.85	43

[1] Data available for Class I only.

[2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 442.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 446. Switching and terminal companies are excluded beginning with 1908. For certain principal items for individual years 1890 to 1900, see Table 444, p. 409

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891–1895	169,378	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896–1900	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901–1905	206,050	1,854,682	1,225,737	627,945	53,106	574,840	9,001	3,048	66.14
1906–1910	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1911–1915	246,952	3,007,282	2,123,282	883,980	123,345	729,172	12,164	3,578	70.61
1916–1920	258,205	4,870,468	3,971,453	899,015	227,680	624,304	18,856	3,481	81.54
1921–1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1901	195,562	1,588,526	1,030,397	558,129	46,708	511,421	8,123	2,854	64.86
1902	200,155	1,726,380	1,116,249	610,131	50,054	560,077	8,625	3,048	64.66
1903	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,258	3,133	66.16
1904	212,243	1,975,174	1,338,896	636,278	56,802	579,476	9,306	2,998	67.79
1905	216,974	2,082,482	1,390,602	691,880	58,712	633,168	9,593	3,189	66.78
1906	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,548	66.08
1907	227,455	2,580,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908	227,257	2,440,639	1,710,402	730,237	78,074	634,794	10,740	3,213	70.08
1909	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,057	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1] 242,657	[1] 3,193,118	[1] 2,235,923	[1] 957,195	[1] 122,005	[1] 805,266	[1] 13,159	[1] 3,945	[1] 70.02
1914	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,116,413	2,906,283	1,200,130	218,632	950,557	15,895	4,070	70.62
1918	258,263	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,260,420	4,498,817	751,603	239,136	454,132	20,354	2,914	85.68
1920	259,026	6,310,151	5,954,394	355,757	280,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,065	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923	257,625	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925	258,646	6,240,883	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928	260,026	6,212,464	4,508,666	1,703,858	395,631	1,182,467	23,892	6,553	72.57
Class I roads:									
1916–1920	232,074	4,763,039	3,879,220	883,819	219,774	616,987	20,445	3,794	81.44
1921–1925	235,302	5,881,855	4,683,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926	236,626	6,382,940	4,669,337	1,713,603	388,923	1,213,090	26,975	7,242	73.15
1927	238,000	6,136,300	4,574,178	1,562,122	376,110	1,067,986	25,783	6,564	74.54
1928	240,148	6,111,736	4,427,995	1,683,741	389,432	1,172,864	25,450	7,011	72.45
1929	241,318	6,276,699	4,502,880	1,773,819	396,659	1,252,518	26,009	7,351	71.74
Eastern district:									
1921–1925	58,947	2,668,020	2,125,217	542,803	128,138	364,374	45,261	9,208	79.66
1926	58,987	2,898,986	2,167,706	731,280	159,240	514,945	49,146	12,397	74.77
1927	58,968	2,758,469	2,096,757	661,712	152,390	459,276	46,779	11,222	76.01
1928	59,305	2,732,316	2,004,157	728,159	165,052	503,494	46,026	12,280	73.35
1929	59,775	2,837,164	2,066,989	770,175	164,873	541,969	47,464	12,885	72.85
Southern district:									
1921–1925	43,865	992,307	762,100	230,207	54,088	170,820	22,622	5,248	76.80
1926	44,445	1,165,528	830,126	335,402	75,720	253,499	26,224	7,546	71.22
1927	45,251	1,090,867	798,113	292,754	72,463	217,771	24,107	6,470	73.15
1928	45,717	1,033,102	749,058	284,044	71,136	213,181	22,598	6,213	72.51
1929	45,745	1,046,422	748,743	297,679	72,889	225,838	22,875	6,507	71.65
Western district:									
1921–1925	132,490	2,221,528	1,696,108	525,421	139,310	348,399	16,767	3,966	76.35
1926	133,194	2,318,426	1,671,505	646,921	153,963	444,646	17,406	4,857	72.10
1927	133,781	2,286,904	1,679,308	607,656	151,257	399,938	17,095	4,542	73.43
1928	135,066	2,346,318	1,674,780	671,538	155,244	456,189	17,372	4,972	71.38
1929	135,798	2,393,113	1,687,148	705,965	158,897	484,711	17,623	5,199	70.50

[1] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 443.—FREIGHT TRAFFIC: TONNAGE AND REVENUE, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for freight traffic are presented in Table 439, p. 405. Tons are of 2,000 pounds

Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue		Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue	
			Amount (1,000 dollars)	Per ton-mile (cents)				Amount (1,000 dollars)	Per ton-mile (cents)
1890	636,542	76,207	714,464	0.941	1896	753,717	95,328	786,616	0.806
1891	675,608	81,074	736,794	.895	1897	728,900	95,139	772,849	.798
1892	706,555	88,241	799,316	.898	1898	863,629	114,078	876,728	.753
1893	745,119	93,588	829,054	.878	1899	943,715	123,667	913,737	.724
1894	638,187	80,335	699,491	.860	1900	1,081,983	141,597	1,049,256	.729
1895	690,761	85,228	729,993	.839					

Source: Interstate Commerce Commission.

No. 444.—REVENUES AND EXPENSES OF OPERATING COMPANIES, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for revenues and expenses are presented in Table 442, p. 408

Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues	Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues
1890	156,404	1,051,878	692,094	65.80	1896	181,983	1,150,169	772,989	67.20
1891	161,275	1,096,761	731,888	66.73	1897	183,284	1,122,090	752,525	67.06
1892	162,397	1,171,407	780,998	66.67	1898	184,648	1,247,326	817,973	65.58
1893	169,780	1,220,752	827,921	67.82	1899	187,535	1,313,610	856,969	65.24
1894	175,691	1,073,362	731,414	68.14	1900	192,556	1,487,045	961,429	64.65
1895	177,746	1,075,371	725,720	67.48					

Source: Interstate Commerce Commission.

No. 445.—OPERATING REVENUES AND EXPENSES OF ALL CLASSES OF RAILWAYS

Class	1927				1928			
	Operating revenues		Operating expenses		Operating revenues		Operating expenses	
	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total
Class I	6,136,300	96.63	4,574,178	96.44	6,111,736	96.67	4,427,995	96.50
Class II	92,923	1.46	72,679	1.53	83,611	1.32	65,235	1.42
Class III	16,492	.26	15,664	.33	17,117	.27	15,375	.34
Total	6,245,715	98.35	4,662,521	98.30	6,212,464	98.26	4,508,605	98.26
Switching and terminal companies	104,958	1.65	80,489	1.70	109,711	1.74	80,029	1.74
Grand total	6,350,673	100.00	4,743,010	100.00	6,322,175	100.00	4,588,634	100.00

Source: Interstate Commerce Commission.

No. 446.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

Item	1916–1920 (average)	1921–1925 (average)	1925	1926	1927	1928	1929 [1]
Revenues	4,763,039	5,881,858	6,122,510	6,382,939	6,136,300	6,111,730	6,276,699
Freight	3,336,480	4,277,134	4,541,646	4,797,780	4,632,321	4,680,456	4,822,948
Passenger	1,005,690	1,100,603	1,056,395	1,041,816	974,951	901,019	873,563
Mail	76,508	94,900	97,097	96,157	95,961	104,385	151,483
Express	118,933	137,886	145,355	149,049	143,365	142,580	148,188
All other transportation	92,041	129,878	138,395	143,773	141,005	140,051	140,489
All other	133,387	141,455	143,622	154,364	148,697	143,245	140,028
Expenses	3,879,220	4,583,425	4,636,880	4,669,337	4,574,178	4,427,995	4,502,880
Maintenance, way, etc.	663,681	781,577	816,443	866,819	868,581	837,906	854,529
Maintenance, equipment	1,040,195	1,297,502	1,259,835	1,283,001	1,219,052	1,166,942	1,202,416
Traffic	59,749	93,919	106,053	114,691	120,349	125,008	130,111
Transportation	1,947,814	2,194,358	2,128,471	2,171,904	2,127,506	2,061,141	2,078,308
All other	167,791	215,769	226,078	232,832	238,690	236,998	237,516
Net revenue from railway operations	883,819	1,298,431	1,585,630	1,713,602	1,562,122	1,683,741	1,773,819
Deduct—							
Tax accruals	219,774	321,536	358,516	388,923	376,110	389,432	396,659
Uncollectible revenues	868	1,895	1,924	1,851	1,492	1,579	1,161
Equipment rents	25,647	67,659	79,394	82,888	88,351	92,515	95,009
Joint facility rents	20,543	23,742	24,719	26,850	28,184	27,351	28,472
Net railway operating income	616,987	883,599	1,121,077	1,213,090	1,067,985	1,172,864	1,252,518

Item	Eastern district			Southern district			Western district		
	1927	1928	1929	1927	1928	1929	1927	1928	1929
Revenues	2,758,469	2,782,316	2,837,164	1,090,867	1,033,102	1,046,422	2,286,964	2,346,313	2,393,113
Freight	2,008,136	2,011,314	2,094,330	871,910	833,977	851,014	1,752,275	1,835,165	1,877,595
Passenger	502,365	474,824	467,648	147,282	129,565	118,803	325,304	296,630	287,112
Mail	36,474	40,384	61,884	16,024	17,739	22,979	42,863	46,262	66,619
Express	67,138	65,138	68,010	21,033	21,126	22,486	54,594	56,316	57,691
All other transportation	74,339	73,400	74,976	13,705	13,005	13,123	52,961	53,646	52,360
All other	70,017	67,256	70,307	19,713	17,690	18,017	58,967	58,299	51,756
Expenses	2,096,757	2,004,157	2,066,989	798,113	749,058	748,743	1,679,308	1,674,780	1,687,148
Maintenance, way, etc	363,433	345,321	359,180	157,959	145,888	148,707	347,189	346,197	346,552
Maintenance, equipment	573,813	543,557	570,171	220,610	207,474	211,085	424,629	415,911	420,559
Traffic	44,690	46,556	49,812	24,201	24,239	23,733	51,458	54,213	56,566
Transportation	1,003,474	962,331	980,164	358,447	333,890	326,689	765,585	764,920	771,455
All other	111,347	105,892	107,662	36,896	37,567	37,839	90,447	93,539	92,016
Net revenue from railway operations	661,712	728,159	770,175	292,754	284,044	297,679	607,656	671,533	705,965
Deduct—									
Tax accruals	152,390	163,053	164,873	72,463	71,136	72,889	151,257	155,243	158,897
Uncollectible revenues	575	874	407	308	244	311	609	401	443
Equipment rents	45,295	47,854	49,123	[2] 97	[2] 2,774	[2] 3,803	43,153	47,435	49,688
Joint facility rents	13,176	12,834	13,803	2,309	2,257	2,444	12,699	12,210	12,226
Net railway operating income	450,270	503,494	541,969	217,771	213,181	225,838	399,938	456,189	484,711

[1] Water line transportation apportioned to the several accounts; included in "All other" in prior years.
[2] Add.

Source: Interstate Commerce Commission.

No. 447.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1928, by classes were as follows: Class I and subsidiaries, $391,165,722 (including $165,609 Canadian, $9 Cuban, $2,460 Mexican, and $5,130 not distributed by States); Class II and subsidiaries, $5,374,119; Class III and subsidiaries, $854,277; switching and terminal companies, $14,515,117; grand total, $411,909,245

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1925	1927	1928	1910	1920	1925	1928
Total	103,738	162,475	282,751	359,370	377,039	389,993	.....	1,262	1,603	1,711
United States Government taxes	4,315	12,531	50,543	87,680	86,031	89,277	.....	226	391	392
New England:										
Maine	675	1,026	1,725	1,977	2,084	2,109	301	831	977	1,066
New Hampshire	778	748	1,005	1,042	1,147	1,123	629	827	868	988
Vermont	257	491	451	453	464	373	251	608	592	490
Massachusetts	3,097	2,575	3,339	3,020	4,185	4,143	1,484	1,616	1,929	2,078
Rhode Island	276	397	585	604	678	673	1,302	2,996	3,348	3,725
Connecticut	1,868	1,114	1,975	2,058	2,021	1,999	1,867	1,977	2,138	2,078
Middle Atlantic:										
New York	7,312	11,724	17,861	22,613	24,144	25,358	877	2,271	2,870	3,230
New Jersey	5,066	7,656	11,189	17,355	16,952	18,817	2,290	5,292	8,466	9,165
Pennsylvania	6,352	9,957	9,342	11,134	13,023	13,500	587	945	1,131	1,371
South Atlantic:										
Delaware	161	153	165	182	172	169	482	493	609	578
Dist. of Columbia	56	64	79	126	124	118	1,562	2,291	3,661	3,410
Maryland	1,016	1,211	2,004	1,352	2,217	2,095	742	1,591	1,112	1,854
Virginia	1,756	3,012	4,695	5,614	7,872	7,255	400	1,129	1,375	1,750
West Virginia	1,454	2,355	3,879	6,046	6,225	6,943	463	1,195	1,744	1,905
North Carolina	952	1,706	2,129	4,748	5,243	5,354	220	552	1,322	1,389
South Carolina	764	1,091	1,951	2,840	3,268	3,227	232	623	911	1,041
Georgia	1,386	1,957	2,481	3,310	3,663	3,838	206	455	612	690
Florida	839	1,572	2,167	3,888	5,483	5,475	208	542	879	1,068
East North Central:										
Ohio	5,457	10,618	16,841	18,518	20,140	19,035	611	2,048	2,184	2,208
Indiana	3,845	5,803	9,422	11,627	11,911	14,129	521	1,328	1,684	2,051
Illinois	5,938	9,049	16,422	21,576	21,255	22,027	501	1,421	1,908	1,928
Michigan	4,052	4,220	7,579	7,656	8,995	9,555	469	1,083	1,076	1,359
Wisconsin	3,162	4,968	6,876	7,295	6,663	6,870	440	995	1,030	981
West North Central:										
Minnesota	3,958	6,445	9,753	7,965	7,697	8,187	461	1,151	902	988
Iowa	2,403	3,871	7,855	6,842	6,901	7,015	253	808	706	725
Missouri	1,830	2,258	3,359	3,716	3,766	4,039	230	457	498	542
North Dakota	1,427	2,289	4,907	4,290	4,294	4,272	341	969	834	831
South Dakota	834	1,635	3,718	3,161	2,644	2,684	211	900	752	639
Nebraska	2,031	2,704	4,159	4,747	5,167	4,507	335	677	770	730
Kansas	3,074	4,108	6,188	6,670	8,869	8,857	344	688	727	966
South Central:										
Kentucky	1,073	2,018	2,184	4,246	5,323	5,333	312	624	1,157	1,417
Tennessee	1,181	1,718	2,584	3,107	3,270	3,365	326	702	847	915
Alabama	1,410	1,751	2,548	2,687	3,170	3,756	297	560	603	809
Mississippi	997	1,916	3,612	5,064	4,029	5,021	250	942	1,304	1,311
West South Central:										
Louisiana	1,238	2,235	3,788	4,578	4,911	4,955	250	971	1,180	1,231
Texas	2,688	4,656	5,098	6,514	6,952	7,108	196	364	469	475
Oklahoma	2,967	3,653	5,463	5,682	5,611	5,961	499	864	917	943
Arkansas	1,347	2,248	3,912	2,663	2,768	3,267	277	948	622	758
Mountain:										
Montana	1,486	2,781	4,284	4,728	4,539	4,779	356	871	966	938
Wyoming	614	901	1,213	1,659	1,809	1,890	384	686	924	1,020
Colorado	1,637	2,451	3,344	3,719	3,943	3,950	306	729	828	897
New Mexico	745	1,179	2,467	2,212	2,508	2,749	254	915	796	950
Arizona	321	1,341	1,572	2,485	3,029	2,980	158	776	1,187	1,349
Utah	692	1,123	1,856	2,161	2,201	2,196	383	907	1,039	1,045
Nevada	668	1,028	1,543	1,762	1,805	1,882	388	942	1,088	1,110
Idaho	714	1,475	3,844	2,872	3,106	3,111	345	1,500	1,099	1,169
Pacific:										
Washington	3,151	4,064	8,795	6,647	7,418	7,508	685	1,698	1,309	1,481
Oregon	913	1,402	2,722	2,736	3,461	3,165	444	1,060	1,025	1,152
California	3,444	5,142	7,187	12,863	31,088	13,394	508	1,071	1,893	1,922

Source: Interstate Commerce Commission.

No. 448.—PRINCIPAL RAILWAY COMPANIES: MILES OF ROAD OPERATED AND

NOTE.—Totals for regions include

Region and road	Average mileage of road operated, 1929	Ton-miles of revenue freight (millions)		Operating revenues (thousands of dollars)		Operating expenses (thousand of dollars)	
		1928	1929	1928	1929	1928	1929
All regions	241,318	432,915	447,260	6,111,736	6,276,698	4,427,995	4,502,880
New England Region	7,288	9,202	10,536	264,969	274,698	191,768	193,908
1. Boston & Maine	2,078	2,894	2,993	76,624	78,481	57,429	59,409
2. N. Y., New Haven & Hartford	2,132	3,886	3,913	137,633	142,459	94,149	94,119
Great Lakes Region	24,856	74,424	76,263	1,105,039	1,141,646	815,127	847,198
1. Delaware & Hudson	882	3,298	3,463	40,230	41,366	31,586	32,141
2. Del., Lackawanna & Western	998	4,535	4,582	81,135	81,743	57,975	57,720
3. Erie	2,047	8,841	9,038	110,092	113,611	86,469	88,751
4. Chicago & Erie	270	1,666	1,733	14,885	15,620	8,804	8,880
Total Erie and Chi. & Erie	2,317	10,507	10,771	124,977	129,231	95,363	97,631
5. Lehigh Valley	1,362	5,138	5,145	71,935	71,723	53,827	53,501
6. Michigan Central	1,858	4,522	4,563	93,217	94,719	62,644	64,865
7. New York Central	6,915	22,202	23,028	381,733	396,917	288,250	302,614
8. N. Y., Chicago & St. Louis	1,691	4,989	5,291	52,877	56,385	37,867	39,897
9. Pere Marquette	2,242	3,388	3,541	45,762	48,408	31,036	34,345
10. Pittsburgh & Lake Erie	231	2,435	2,564	31,407	34,135	25,603	28,396
11. Wabash	2,524	5,558	6,107	71,073	76,633	52,412	56,275
Central Eastern Region	27,831	99,892	105,442	1,362,307	1,420,819	997,262	1,025,883
1. Baltimore & Ohio	5,666	20,243	20,658	236,819	245,419	172,551	180,570
2. Central R. R. Co. of New Jersey	603	2,847	2,827	58,002	58,137	42,122	42,218
3. Chicago & Eastern Illinois	946	2,112	2,104	24,894	25,398	19,421	19,693
4. Cleveland, Cincinnati, Chicago & St. Louis.	2,399	8,125	8,375	88,830	91,982	66,989	69,624
5. Elgin, Joliet & Eastern	453	1,712	1,796	24,602	26,412	16,820	17,096
6. Long Island	404	180	174	40,533	41,326	28,434	27,735
7. Pennsylvania	10,512	44,990	49,174	650,567	682,703	480,172	493,151
8. Reading Co	1,460	6,410	6,874	89,940	97,197	69,826	75,930
Pocahontas Region	5,636	36,187	39,089	261,288	279,126	166,968	169,690
1. Chesapeake & Ohio	2,733	18,187	19,025	124,825	129,779	82,543	85,515
2. Norfolk & Western	2,240	15,016	16,730	106,947	117,632	66,522	66,051
Southern Region	40,109	55,271	55,183	771,814	767,296	582,089	579,053
1. Atlantic Coast Line	5,152	3,314	3,282	71,393	72,372	55,966	53,432
2. Central of Georgia	1,945	1,554	1,592	25,133	25,034	19,209	19,135
3. Illinois Central	5,028	14,003	13,864	152,570	153,184	116,434	117,833
4. Louisville & Nashville	5,176	12,921	12,681	135,638	132,056	106,231	104,547
5. Seaboard Air Line	4,490	3,177	3,195	57,245	58,152	42,903	42,588
5. Southern	6,731	8,413	8,351	144,116	143,184	101,888	102,702
7. Yazoo & Mississippi Valley	705	1,491	1,603	26,851	27,586	20,852	21,422
Northwestern Region	48,853	53,007	52,953	743,467	745,260	537,825	537,419
1. Chicago & North Western	8,465	8,794	8,903	152,090	154,733	116,639	115,286
2. Chicago, Milwaukee, St. Paul & Pacific.[1]	11,248	13,143	13,092	170,555	171,361	125,241	128,801
3. Chicago, St. Paul, Minneapolis & Omaha.	1,747	1,092	1,691	27,063	27,219	22,989	22,069
4. Great Northern	8,388	10,127	10,151	126,737	125,933	83,235	82,863
5. Minneapolis, St. Paul & Sault Ste. Marie.	4,383	3,739	3,574	50,292	48,654	36,407	35,321
6. Northern Pacific	6,790	7,052	6,594	101,273	96,522	70,802	70,552
7. Oregon-Washington R. R. & Navigation Co.	2,365	1,674	1,680	29,693	29,225	23,387	22,690
Central Western Region	53,623	67,654	70,560	1,064,442	1,104,065	748,077	760,011
1. Atchison, Topeka & Santa Fe	9,504	11,719	12,591	206,277	220,567	142,765	143,325
2. Chicago & Alton	1,028	2,014	1,920	28,540	28,728	22,423	22,024
3. Chicago, Burlington & Quincy	9,373	12,932	12,874	162,891	162,410	114,191	111,566
4. Chicago, Rock Island & Pacific	7,567	8,771	9,309	134,317	139,471	98,854	104,024
5. Denver & Rio Grande Western	2,558	2,082	2,251	33,201	34,829	24,442	24,535
6. Oregon Short Line	2,539	2,720	2,744	38,732	39,462	25,389	25,555
7. Southern Pacific Co.—Pacific Lines.	8,962	11,679	12,098	230,043	236,641	161,639	164,794
8. Union Pacific	3,765	8,989	8,914	121,972	121,100	77,712	79,044
Southwestern Region	33,222	36,778	37,234	538,410	543,788	388,878	389,718
1. Gulf, Colorado & Santa Fe	1,945	2,395	2,651	28,099	30,234	19,991	21,297
2. Missouri-Kansas-Texas	1,799	2,340	2,416	35,804	36,537	22,464	21,634
3. Missouri-Kansas-Texas of Texas	1,389	1,296	1,152	20,655	19,487	16,470	15,822
4. Missouri Pacific	7,458	10,312	11,052	131,577	139,808	99,091	102,903
5. St. Louis-San Francisco	5,304	4,845	5,145	81,653	84,938	56,532	59,440
6. Texas & New Orleans	4,730	4,016	4,387	70,061	74,328	55,095	54,905
7. Texas & Pacific	1,995	3,920	3,190	50,796	45,696	34,536	31,850

[1] Successor to Chicago, Milwaukee & St. Paul as of Jan. 14, 1928.

PRINCIPAL ITEMS OF TRAFFIC, REVENUES, AND EXPENSES OF LARGER COMPANIES

smaller roads of Class I not listed

Operating ratio (per cent)		Railway tax accruals		Net railway operating income		Freight revenue		Passenger revenue		Region and road
		Thousands of dollars								
1928	1929	1928	1929	1928	1929	1928	1929	1928	1929	
72.5	71.7	389,432	396,659	1,172,864	1,252,518	4,680,456	4,822,948	901,019	873,563	All regions.
72.4	70.6	14,734	14,683	47,508	54,752	163,520	169,780	71,470	70,107	New England.
75.0	75.7	3,946	3,496	12,803	12,642	50,397	51,917	16,989	16,235	1.
68.4	66.1	7,494	8,067	20,238	33,631	75,341	77,914	47,271	46,842	2.
73.8	74.2	67,507	67,240	203,241	207,358	826,335	852,967	173,142	171,007	Great Lakes.
78.5	77.7	1,050	1,068	7,663	8,165	33,628	35,173	3,497	3,284	1.
71.5	70.6	6,393	6,636	17,119	17,509	59,708	60,486	12,003	11,285	2.
78.5	78.1	4,351	4,943	18,434	19,085	90,361	93,327	10,675	10,411	3.
59.8	56.9	707	684	1,613	2,377	13,129	13,595	579	655	4.
76.3	75.6	5,058	5,627	20,047	21,462	103,490	106,922	11,254	11,066	Total 3 and 4.
74.8	74.6	3,678	3,689	12,315	12,939	59,510	59,359	6,995	6,506	5.
67.2	68.5	6,328	6,393	23,156	21,898	64,098	64,484	19,793	19,383	6.
75.5	76.2	29,137	27,626	62,222	64,625	234,618	242,333	96,917	97,106	7.
71.6	70.8	2,981	3,055	9,557	10,472	49,346	52,251	1,815	1,983	8.
67.8	70.9	2,725	2,962	10,596	9,273	40,033	42,173	2,968	3,002	10.
81.5	83.2	2,039	2,117	7,771	7,892	27,938	30,533	2,409	2,239	10.
73.7	73.4	3,052	3,254	11,950	13,252	58,840	63,797	7,195	7,042	11.
73.2	72.2	80,811	82,950	252,746	279,859	1,021,459	1,071,602	230,212	226,584	Central Eastern.
72.9	73.6	11,630	11,966	49,388	49,684	197,215	205,469	23,712	22,139	1.
72.6	72.6	5,059	5,075	9,385	9,367	45,564	45,043	8,450	8,749	2.
78.0	77.5	1,583	1,670	2,201	2,209	19,184	19,535	3,606	3,410	3.
75.4	75.7	4,929	5,339	15,623	15,921	67,594	69,579	14,558	13,996	4.
68.4	64.7	2,164	1,485	3,731	5,452	22,383	24,026			5.
70.2	67.1	2,689	2,922	7,542	8,708	11,605	11,216	26,460	27,782	6.
73.8	72.2	37,846	40,519	117,298	133,140	457,294	482,896	131,180	129,584	7.
77.6	78.1	4,521	4,440	17,099	17,197	70,312	82,723	7,775	7,081	8.
63.9	60.8	20,195	21,663	79,636	93,317	232,735	250,933	16,871	15,519	Pocahontas.
66.1	65.9	8,491	8,645	36,324	37,882	112,842	118,056	7,083	6,398	1.
62.2	56.2	9,200	10,300	34,204	44,208	97,502	108,351	5,727	5,111	2.
75.4	75.5	50,941	51,226	133,545	132,521	601,241	600,081	112,694	103,284	Southern.
78.4	73.8	5,800	6,240	9,805	12,874	52,019	53,189	13,065	12,133	1.
76.4	76.4	1,513	1,530	4,450	4,508	19,020	19,061	3,729	3,432	2.
76.3	76.9	10,253	10,484	25,762	24,447	110,939	120,543	21,432	20,711	3.
78.3	79.2	7,605	7,566	22,205	20,828	110,019	107,641	17,354	15,473	4.
75.0	73.2	3,536	3,715	10,055	10,966	43,844	44,707	7,958	7,239	5.
70.7	71.7	9,579	9,321	30,843	30,031	108,641	107,962	24,017	22,005	6.
77.7	77.7	1,949	1,954	3,175	3,275	21,614	22,505	3,552	3,317	7.
72.3	72.1	52,963	51,123	138,755	143,077	590,901	588,275	82,593	79,089	Northwestern.
76.7	74.5	9,608	10,239	23,226	26,220	111,418	112,030	23,579	23,864	1.
73.4	75.2	10,239	9,649	29,119	26,274	136,226	137,176	18,091	16,753	2.
85.0	81.1	1,392	1,340	1,858	2,969	20,607	20,686	4,190	4,023	3.
65.7	65.8	10,298	9,201	31,294	32,458	103,980	101,179	11,505	11,298	4.
72.4	72.0	2,968	2,838	9,006	8,589	41,473	39,752	4,989	4,633	5.
69.9	73.1	9,688	9,211	25,089	21,410	81,725	76,862	10,733	9,821	6.
78.8	77.6	2,245	2,326	2,143	2,531	23,451	23,434	3,339	2,940	7.
70.3	68.9	74,975	79,937	216,583	239,115	804,911	846,215	154,579	152,907	Central Western.
69.2	65.0	15,923	18,196	47,554	58,766	153,909	164,454	34,684	34,663	1.
78.6	76.7	1,202	1,343	2,751	3,279	20,102	19,901	5,603	5,454	2.
70.1	68.7	11,192	12,025	32,912	35,358	126,953	126,778	19,715	18,818	3.
73.6	74.6	8,054	7,849	22,396	21,971	103,184	106,799	19,290	18,623	4.
73.6	70.5	2,300	2,395	7,095	8,529	27,041	28,542	3,627	3,440	5.
65.6	64.8	3,444	4,101	8,574	8,606	31,877	32,478	3,944	3,802	6.
70.3	69.6	17,597	18,086	46,020	48,024	159,487	164,484	38,846	39,212	7.
63.7	65.3	8,591	8,715	31,072	29,721	96,870	95,782	14,987	14,925	8.
72.2	71.7	27,306	27,837	100,850	102,519	439,354	443,105	59,458	55,116	Southwestern.
71.1	70.4	1,317	1,413	5,293	6,033	24,080	26,067	2,382	2,130	1.
62.6	59.2	2,464	2,653	10,543	11,552	29,874	30,441	3,350	3,080	2.
79.7	81.2	610	637	1,661	1,014	15,389	14,179	3,418	3,127	3.
75.3	73.6	5,813	6,250	21,348	24,554	107,388	114,345	13,553	13,023	4.
69.2	70.0	5,052	5,064	20,660	20,957	63,923	66,956	11,485	10,657	5.
78.6	73.9	3,927	4,175	8,875	11,697	53,589	57,730	10,862	10,333	6.
68.0	69.7	2,246	2,243	10,446	8,778	41,694	36,830	5,971	5,443	7.

Source: Interstate Commerce Commission

No. 449.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded since 1908. Figures for 1911 to 1916, inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1916 exclude both Class II and Class III, thereby reducing the grand total about 6 per cent. Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal

Class of road and year or yearly average	Total	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901–1905	[1] 691,121	59,406	16,608	237,753	85,803	72,786	119,707	27,800
1906–1910	[1] 930,265	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911–1915 [2]	[1] 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
1916 [2]	[1] 1,293,091	116,867	31,294	461,608	275,543	111,850	239,849	54,420
Class I:								
1916	[1] 1,203,367	113,635	30,473	429,751	250,342	93,819	231,038	52,911
1917	1,264,016	104,629	31,858	481,032	251,021	100,838	240,269	53,769
1918	1,263,344	116,051	35,777	500,769	234,027	97,256	226,077	53,387
1919	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925	1,247,242	109,313	26,324	424,403	253,033	107,301	285,291	40,587
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,2?6	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
Eastern district:								
1926	580,200	23,950	5,777	258,428	78,472	11,497	183,282	18,794
1927	541,075	23,168	5,843	228,161	78,974	10,751	175,775	18,403
1928	545,968	21,451	6,024	222,180	78,328	11,151	188,643	18,191
1929	576,718	20,967	5,853	238,608	81,451	10,531	201,512	17,796
Southern district:								
1926	310,579	15,157	1,936	172,652	42,927	32,752	36,694	8,461
1927	308,893	14,593	2,064	172,668	41,205	32,249	37,894	8,220
1928	294,173	14,288	1,985	162,283	41,352	29,778	37,206	7,281
1929	295,468	14,865	1,837	168,770	35,971	29,659	37,284	7,082
Western district:								
1926	445,363	72,680	18,530	55,864	149,360	60,602	76,091	12,236
1927	431,643	75,581	18,096	49,062	143,332	56,351	77,404	11,817
1928	445,802	82,283	17,625	47,833	144,607	55,808	86,164	11,482
1929	466,905	79,511	17,217	52,019	161,060	54,665	91,268	11,165
II. TOTAL REVENUE FREIGHT [3]								
All roads:								
1901–1905	[1] 1,266,314	125,234	34,596	419,764	150,474	122,927	231,259	51,468
1906–1910	[1] 1,673,431	150,384	38,769	589,884	228,563	188,023	314,007	59,277
1911–1915 [2]	[1] 1,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916–1920	[1] 2,212,207	225,505	55,199	826,912	349,783	193,436	466,202	93,550
1921–1925	2,008,262	221,961	46,065	757,498	316,014	192,256	465,097	86,371
1926	2,465,369	223,924	47,023	926,854	414,723	204,790	579,830	88,225
1927	2,363,639	221,384	46,696	871,713	400,591	192,774	564,643	85,838
1928	2,361,623	225,550	45,724	838,085	396,400	187,347	605,256	83,261
1929	2,451,601	223,204	44,729	878,014	418,797	182,177	642,191	82,430
Eastern district:								
1926	1,309,242	73,474	18,083	617,234	165,393	53,456	346,586	35,016
1927	1,237,669	72,361	18,021	569,139	160,416	50,216	334,034	33,482
1928	1,238,607	68,913	18,119	549,901	160,601	48,929	359,155	32,929
1929	1,294,927	67,566	17,962	576,405	172,937	46,426	381,116	32,510
Southern district:								
1926	461,263	34,951	4,337	211,599	60,998	56,026	78,861	14,491
1927	440,753	33,155	4,414	210,676	57,252	53,709	76,291	14,266
1928	427,027	32,695	4,101	195,752	56,724	49,672	75,182	12,901
1929	429,575	33,794	3,888	202,561	50,065	49,524	77,128	12,615
Western district:								
1926	694,864	115,499	24,603	98,021	188,332	95,308	154,383	18,718
1927	676,217	115,868	24,261	91,898	182,923	88,849	154,318	18,100
1928	695,989	123,942	23,504	92,432	179,015	88,746	170,919	17,431
1929	727,099	121,904	22,878	99,048	195,795	86,227	183,948	17,209

[1] Includes some undistributed freight. [2] Excluding Class III. [3] Including receipts from connecting lines.
Source: Interstate Commerce Commission.

No. 450.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

NOTE.—Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal. Switching and terminal roads are excluded

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1929 (thousands of tons of 2,000 pounds)		
	All districts								1929					
	1920	1922	1924	1925	1926	1927	1928	1929	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Grand total, carload and l. c. l.	1,255,421	1,023,745	1,187,296	1,247,242	1,396,142	1,281,611	1,285,943	1,339,091	576,718	295,468	466,905	1,294,927	429,575	727,099
Grand total, carload traffic	1,202,219	980,516	1,146,747	1,206,655	1,296,651	1,243,171	1,248,989	1,303,048	558,922	288,386	455,739	1,262,411	416,960	709,800
Products of agriculture, total	110,840	111,787	116,587	109,313	111,787	113,343	118,022	115,343	20,968	14,865	79,511	67,566	33,794	121,903
Wheat	23,131	24,805	27,444	21,548	24,379	26,327	26,950	27,019	3,220	744	23,056	6,735	1,973	30,171
Corn	12,689	19,275	14,883	12,680	13,927	13,162	17,045	15,258	2,061	1,864	10,733	6,761	3,299	15,058
Oats	8,615	7,646	8,507	8,450	6,496	5,518	5,858	5,713	1,421	936	3,357	3,655	1,741	4,699
Other grain	5,669	5,245	5,606	4,564	4,014	5,212	5,506	4,477	323	118	4,036	1,189	384	5,270
Flour and meal	10,952	10,694	10,331	9,901	10,137	10,027	10,753	10,627	2,569	856	7,202	10,525	3,175	10,582
Cereal foods and other mill products	8,891	9,000	10,085	9,578	9,768	10,178	10,581	10,820	3,263	1,237	6,321	9,251	2,865	9,080
Hay, straw, and alfalfa	7,957	5,723	5,802	5,506	5,028	4,467	3,999	3,697	1,500	204	1,993	2,769	1,348	2,763
Leaf tobacco [1]	1,081	882	1,070	1,038	1,010	1,053	945	989	118	828	43	317	1,314	54
Cotton	3,379	3,073	3,259	4,127	4,482	4,180	3,773	3,940	119	1,496	2,325	1,479	3,432	3,993
Cottonseed and products, except oil	4,573	3,546	4,598	5,849	6,484	6,046	4,984	5,076	19	2,363	2,694	702	3,523	4,010
Citrus fruits	1,404	1,141	1,650	1,363	1,533	1,750	1,543	2,355	30	977	1,347	2,463	2,645	4,677
Other fruit fruits	5,271	5,063	5,114	5,910	6,321	5,648	6,401	5,690	1,060	1,378	3,251	5,809	3,171	8,785
Potatoes, except sweet [2]	4,118	4,829	4,591	4,614	4,339	4,727	4,511	4,425	1,892	352	2,182	7,324	1,249	4,862
Other fresh vegetables	2,205	2,324	2,685	2,828	2,800	3,083	3,124	3,222	705	680	1,837	3,730	1,913	6,010
Dried fruits and vegetables	1,165	1,154	1,438	1,533	1,568	1,527	1,878	1,609	436	92	1,080	1,250	318	2,208
Sugar beets	9,741	7,386	9,524	9,824	9,501	10,526	5,260	5,348	331	1	5,016	466	2	5,483
Other products of agriculture							4,881	5,077	1,301	738	3,037	3,143	1,441	4,189
Animals and products, total	26,595	26,230	27,747	26,324	26,244	26,003	25,634	24,907	5,353	1,838	17,216	17,962	3,888	22,878
Horses and mules	936	491	531	544	513	541	577	553	44	100	410	119	206	598
Cattle and calves	9,809	9,567	9,315	9,330	9,240	8,634	7,977	7,310	809	499	6,003	1,895	659	7,958
Sheep and goats	1,344	1,159	1,215	1,224	1,270	1,297	1,361	1,387	163	62	1,162	403	72	1,908
Hogs	5,421	5,795	6,707	5,502	5,272	5,369	5,871	5,534	1,085	372	4,127	2,185	485	4,783

[1] Includes refuse, stems, etc., prior to 1928.

[2] "Potatoes" prior to 1928.

No. 450.—Revenue Freight Carried, by Classes of Commodities: Class I Carriers—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1929 (thousands of tons of 2,000 pounds)		
	All districts								1929					
	1920	1922	1924	1925	1926	1927	1928	1929	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,614	3,000	2,904	2,996	2,987	2,935	3,007	926	207	1,874	3,981	667	2,216
Other packing-house products	2,206	2,049	2,395	2,139	2,022	1,957	2,203	2,274	934	257	1,084	2,520	960	1,598
Poultry	264	292	376	357	409	407	406	417	58	48	312	836	87	440
Eggs	530	505	572	591	644	651	635	588	101	42	445	888	104	696
Butter and cheese	425	507	648	686	725	747	754	793	133	32	629	1,134	124	825
Wool	293	360	294	263	281	356	394	414	258	6	149	709	21	271
Hides and leather	1,051	1,081	1,026	1,026	985	1,010	915	913	519	106	288	1,483	233	449
Other animals and products	1,540	1,750	1,668	1,758	1,887	2,049	1,606	1,717	874	110	733	1,812	261	1,137
Products of mines, total	712,154	532,998	637,582	678,336	757,703	713,402	696,583	737,879	320,058	204,741	213,080	749,342	252,626	294,843
Anthracite	78,100	48,821	76,108	58,260	76,915	72,176	69,997	71,931	71,244	107	581	113,636	253	1,294
Bituminous coal	389,349	287,617	320,376	346,346	388,736	361,551	346,057	368,339	152,451	166,766	49,122	439,562	199,544	94,004
Coke	26,895	15,407	18,023	19,798	22,193	16,164	16,241	19,127	14,913	1,896	2,317	23,207	2,763	3,750
Iron ore	84,433	54,457	55,851	72,134	76,023	66,355	68,684	82,123	3,357	2,744	76,021	51,820	3,721	77,647
Copper ore and concentrates	21,550	7,953	10,504	12,289	13,039	11,335	5,916	7,057	6	6	7,045	45	159	11,155
Other ores and concentrates							5,922	7,714	2,887	458	4,370	5,468	1,068	8,129
Gravel, sand, and stone [3]	98,720	102,933	136,650	145,405	157,295	161,776	128,304	121,559	43,609	22,113	55,836	59,486	29,096	69,165
Crude petroleum	6,435	5,937	8,412	11,245	10,744	10,531	7,633	6,630	374	119	6,138	1,537	303	11,323
Asphaltum	1,424	1,900	2,517	2,531	3,101	3,170	2,899	3,196	1,931	619	647	3,880	1,381	1,628
Salt	3,250	3,245	3,303	3,403	3,238	3,251	3,341	3,183	1,618	25	1,541	4,224	963	3,189
Phosphate rock, crude	6,997	4,726	5,847	6,925	7,319	7,094	4,801	5,165	76	5,035	54	336	5,715	127
Sulphur							1,811	2,253	299	67	1,887	691	295	3,341
Other products of mines [3]							34,977	39,602	27,295	4,786	7,521	45,450	7,275	10,090
Products of forests, total	100,766	89,059	108,094	107,391	104,851	99,351	96,737	94,855	10,531	29,659	54,665	48,426	49,524	36,228
Logs, posts, poles, piling, and cordwood	38,571	35,627	45,551	45,428	45,163	41,676	39,541	39,611	2,308	7,377	29,426	5,442	9,891	33,750
Ties	5,472	3,761	5,508	4,292	4,833	5,338	4,240	4,024	698	1,622	1,704	1,966	2,265	2,428
Pulp wood	4,992	3,931	5,603	5,826	5,943	6,989	6,893	6,781	1,741	1,199	3,840	3,752	1,887	5,488
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	43,507	48,612	49,019	46,062	42,846	42,776	40,937	4,404	17,533	18,940	31,788	33,420	43,428
Other forest products	3,112	2,233	2,820	2,826	2,850	2,501	3,287	3,502	1,319	1,427	756	3,477	2,061	1,134

Manufactures and miscellaneous, total	251, 864	220, 442	256, 737	285, 291	296, 066	291, 073	312, 013	330, 064	201, 512	37, 284	91, 268	381, 115	77, 128	133, 948
Refined petroleum and its products	29, 616	30, 870	41, 298	46, 273	48, 938	51, 661	58, 480	64, 240	23, 204	6, 434	34, 602	46, 137	15, 110	66, 183
Vegetable oils	938	937	1, 150	1, 446	1, 621	1, 893	1, 561	1, 733	426	484	823	1, 337	986	1, 505
Sugar, sirup, glucose, and molasses	5, 664	5, 091	5, 407	5, 700	5, 714	5, 582	5, 605	5, 858	1, 773	1, 089	2, 996	3, 948	2, 591	5, 982
Iron, pig [4]	16, 451	9, 991	12, 071	14, 577	15, 132	11, 488	8, 033	8, 000	5, 926	1, 433	641	8, 865	1, 905	1, 653
Scrap iron and steel	(5)	(5)	(5)	(5)	(5)	(5)	11, 746	13, 527	10, 456	1, 038	2, 034	16, 791	1, 599	2, 877
Iron and steel (6th class, n. o. s.)	(5)	(5)	(5)	(5)	(5)	(5)	5, 130	5, 746	5, 481	69	197	7, 816	329,	571
Rails, fastenings, frogs, and switches [6]	3, 047	2, 378	2, 471	2, 646	2, 875	2, 595	2, 551	2, 658	2, 056	249	353	3, 145	623	1, 280
Iron and steel pipes and fittings [7]	27, 443	22, 162	24, 800	29, 144	30, 568	31, 878	6, 945	7, 670	5, 433	976	1, 261	11, 253	2, 394	6, 080
Iron and steel (5th class, n. o. s.) [7]							33, 386	37, 427	33, 819	1, 283	2, 325	56, 119	3, 282	7, 953
Iron and steel nails and wire	(5)	(5)	(5)	(5)	(5)	(5)	1, 667	1, 873	1, 463	103	308	2, 691	231	785
Copper: Ingot, matte and pig	5, 170	4, 337	4, 904	5, 419	5, 604	2, 898	999	1, 108	416	17	675	1, 697	25	2, 056
Lead and zinc: Ingot, pig, or bar							1, 218	1, 338	466	25	847	1, 960	193	2, 236
Other metals, pig, bar, sheet, etc							431	525	340	12	174	817	80	506
Machinery and boilers [8]	9, 391	4, 214	4, 930	5, 359	5, 772	5, 176	3, 772	3, 931	2, 728	240	963	5, 838	949	2, 423
Cement	15, 400	18, 453	22, 970	24, 516	24, 921	25, 889	26, 080	25, 008	11, 980	3, 124	9, 904	25, 127	5, 904	15, 338
Brick and artificial stone	15, 251	15, 640	18, 165	19, 668	20, 337	19, 556	19, 019	17, 216	10, 286	2, 961	3, 969	17, 814	4, 653	7, 042
Lime and plaster	4, 410	5, 199	6, 008	6, 830	6, 642	6, 092	5, 300	4, 803	2, 781	584	1, 438	5, 551	1, 389	2, 812
Sewer pipe and drain tile	2, 165	2, 093	2, 281	2, 426	2, 387	2, 712	2, 556	2, 708	1, 686	320	702	3, 253	636	1, 169
Agricultural implements and vehicles other than automobiles [9]	3, 324	1, 720	2, 158	2, 281	2, 304	3, 118	1, 903	2, 136	600	168	1, 368	1, 511	437	2, 579
Automobiles, autotrucks, parts, tires, etc	3, 427	4, 160	6, 061	6, 980	7, 387	6, 324	8, 752	10, 423	8, 576	408	1, 439	18, 821	2, 284	6, 453
Furniture	743	692	837	970	987	1, 004	1, 063	1, 102	476	314	311	1, 453	654	806
Beverages	1, 240	614	883	841	760	804	813	774	303	59	411	650	116	606
Ice	5, 795	5, 158	4, 430	4, 928	4, 145	4, 062	3, 922	3, 310	1, 489	377	1, 444	1, 777	412	1, 504
Fertilizers	9, 204	6, 813	7, 815	8, 463	8, 197	10, 465	12, 859	13, 276	4, 526	6, 116	2, 634	7, 970	9, 028	4, 107
Printing paper [10]	3, 144	2, 765	3, 051	3, 328	3, 441	3, 322	3, 303	3, 480	2, 690	166	625	9, 520	472	2, 441
Chemicals and explosives [11]	8, 348	7, 545	8, 423	9, 579	10, 084	9, 116	2, 979	3, 213	1, 567	726	919	2, 626	1, 399	1, 322
Textiles	805	878	882	966	933	785	937	941	305	462	173	869	996	409
Canned food products	3, 074	3, 106	3, 740	4, 144	4, 070	4, 204	4, 805	5, 029	2, 216	299	2, 515	5, 730	906	4, 973
Furnace slag	77, 814	65, 625	72, 202	78, 807	83, 217	80, 447	8, 784	9, 835	8, 622	1, 049	163	9, 720	1, 787	217
Paperboard, pulpboard and wallboard (paper)							2, 317	2, 511	1, 700	342	469	3, 803	705	1, 113
Building paper and prepared roofing materials							2, 035	2, 325	1, 495	211	619	2, 801	637	1, 137
Other manufactures and miscellaneous							63, 062	66, 338	46, 226	6, 145	13, 967	93, 589	14, 454	27, 772
Merchandise—all l. c. l. freight	53, 202	43, 229	40, 549	40, 587	39, 491	38, 440	36, 954	36, 045	17, 796	7, 082	11, 165	32, 516	12, 615	17, 299

[3] "Gravel, sand, and stone" includes clay prior to 1928 which is reported with "Other products of mines" in 1928 and 1929.
[4] Includes bloom prior to 1928.
[5] Not reported separately.
[6] "Rails and fastenings" prior to 1928.
[7] "Bar, sheet, and structural iron and pipe" prior to 1928.
[8] Includes castings prior to 1928.
[9] Includes railway car wheels, axles and trucks prior to 1928.
[10] "Paper, printed matter, and books" prior to 1928.
[11] Data for 1923 and 1929 not comparable with prior years.

Source: Interstate Commerce Commission.

No. 451.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT, CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

NOTE.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354

Month	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
	Total, all commodities					Grain and grain products				
Year	985,080	1,021,131	992,996	992,113	1,015,188	44,341	45,449	45,745	48,326	46,047
January	889,895	921,674	939,165	862,224	892,744	49,323	47,094	44,747	46,920	45,492
February	914,080	919,333	950,480	897,686	941,940	44,623	42,766	43,408	46,874	47,161
March	908,435	960,349	996,509	950,512	961,589	38,495	39,812	39,061	47,499	42,598
April	931,920	958,201	968,897	935,077	995,994	33,289	37,518	37,131	39,784	35,936
May	985,073	1,036,455	1,027,118	1,001,289	1,051,427	36,508	39,964	39,738	40,776	38,136
June	971,446	1,022,335	999,171	984,823	1,052,114	36,525	39,314	40,205	34,482	43,121
July	978,528	1,042,752	978,440	986,010	1,038,305	40,341	54,754	46,477	51,587	61,674
August	1,060,654	1,097,030	1,062,462	1,069,681	1,118,171	53,081	55,637	55,084	57,714	63,114
September	1,075,337	1,130,778	1,097,021	1,117,035	1,134,644	53,064	49,079	58,829	59,618	49,842
October	1,113,406	1,193,515	1,116,218	1,175,970	1,169,344	47,994	51,852	54,813	54,830	46,420
November	1,065,416	1,062,068	955,726	1,028,842	978,367	48,484	43,687	45,641	52,640	38,395
December	924,708	898,078	835,055	879,259	835,248	50,888	42,666	44,022	47,175	39,919
	Livestock					Coal				
Year	31,454	30,696	29,749	29,248	27,287	171,257	190,996	177,562	168,625	177,547
January	36,523	33,479	32,330	31,912	29,500	202,662	187,445	222,743	177,538	202,447
February	32,054	28,231	27,687	32,514	26,421	180,812	174,564	213,204	170,025	211,398
March	28,168	28,379	27,255	28,670	24,221	151,868	181,477	204,142	163,002	158,777
April	27,465	27,055	27,585	26,344	26,724	139,779	164,159	154,326	145,132	148,879
May	27,808	27,788	28,846	26,667	26,460	153,933	168,237	161,636	157,574	160,113
June	25,948	26,871	26,935	25,204	23,349	154,308	171,663	151,047	145,026	156,400
July	26,515	26,706	25,488	22,752	22,992	161,905	176,000	144,240	142,903	149,570
August	29,324	29,261	28,074	25,356	24,257	191,202	190,556	173,988	165,525	171,504
September	31,547	36,775	31,750	34,231	30,911	179,902	199,114	183,028	181,082	190,996
October	41,603	40,049	39,578	38,668	37,275	182,671	225,771	190,666	206,574	207,389
November	37,828	34,578	33,642	31,849	31,378	189,796	235,060	169,253	193,737	188,972
December	32,179	29,091	28,869	28,292	25,450	173,135	213,938	164,385	177,181	192,748
	Coke					Ore				
Year	11,987	13,142	10,547	10,264	12,068	38,685	41,907	36,380	36,726	43,971
January	13,562	17,966	12,176	10,650	11,940	9,908	9,879	9,461	8,199	8,918
February	13,277	17,992	12,361	11,537	13,910	10,610	10,196	10,088	8,098	9,243
March	12,586	14,371	12,303	10,875	12,667	11,477	10,544	10,920	8,564	11,423
April	11,465	12,507	11,447	10,118	11,930	20,735	15,042	25,473	10,263	27,670
May	9,650	11,841	10,693	10,152	12,392	62,533	55,301	59,883	41,299	70,951
June	9,238	11,476	10,367	9,664	12,110	62,206	67,663	64,742	65,597	75,903
July	9,143	11,272	9,669	8,812	11,608	62,683	72,788	63,003	62,538	76,240
August	9,626	11,464	9,691	9,349	11,739	62,863	77,601	62,188	64,340	75,712
September	10,990	12,174	9,780	10,138	11,774	59,100	75,196	55,897	62,742	68,650
October	12,849	13,023	9,447	10,726	12,005	53,008	67,666	48,046	60,246	60,041
November	15,495	12,832	9,067	10,631	11,427	38,165	32,078	19,291	32,565	20,215
December	15,671	11,777	9,597	10,641	11,399	12,411	9,564	8,370	10,223	8,219
	Forest products					Miscellaneous and L. C. L.				
Year	71,862	70,277	65,819	63,986	62,515	615,493	628,665	627,193	634,938	645,852
January	65,985	66,959	64,344	58,280	54,662	511,930	558,853	553,364	528,717	539,787
February	78,914	74,826	68,896	67,779	60,259	553,791	570,756	574,236	560,857	573,547
March	80,522	76,972	70,522	68,729	67,096	585,320	617,798	632,306	623,173	644,808
April	78,869	75,692	68,439	64,331	69,704	620,319	626,227	644,496	639,104	675,153
May	76,588	76,704	71,026	67,302	69,329	617,964	656,670	655,296	657,428	674,046
June	73,461	74,244	67,690	65,825	69,583	609,759	631,103	638,184	639,024	671,588
July	66,034	67,227	63,344	59,669	61,259	611,906	633,915	626,220	637,501	654,960
August	71,233	70,739	68,964	66,412	681690	642,724	661,770	664,474	680,985	703,155
September	69,668	70,546	67,633	63,632	62,932	671,066	687,894	690,706	706,193	719,540
October	70,782	72,218	67,172	66,172	63,589	704,498	722,935	706,497	708,754	742,624
November	67,590	65,504	61,097	63,525	55,042	668,059	638,329	617,734	643,895	623,940
December	64,511	54,547	52,050	53,948	45,452	575,913	536,494	527,761	551,798	512,061

Source: American Railway Association.

No. 452.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 453

Cause of accident	Killed					Injured				
	1921-1925, average	1926	1927	1928	1929	1921-1925, average	1926	1927	1928	1929
All accidents	6,618	7,090	6,821	6,509	6,496	141,688	130,235	104,799	85,561	76,995
Train accidents	394	360	286	272	326	4,409	3,916	3,072	2,873	3,284
Passengers	72	79	10	16	36	2,423	1,829	1,511	1,404	1,742
Employees	237	193	195	143	160	1,597	1,630	1,221	1,139	1,030
Other persons	85	88	81	113	130	389	457	340	330	512
Causes:										
Collisions	139	152	80	70	85	2,071	2,319	1,557	1,192	1,212
Passengers	37	38	6	8	1	1,172	1,223	897	577	513
Employees	89	107	65	53	76	764	877	549	498	437
Other persons	14	7	9	9	8	135	219	111	117	262
Derailments	197	141	122	129	156	2,109	1,362	1,271	1,496	1,871
Passengers	34	36	4	8	35	1,212	587	589	784	1,202
Employees	111	64	83	69	63	690	599	520	545	501
Other persons	52	41	35	52	58	208	176	162	167	168
Other causes	58	67	84	73	85	228	235	244	185	201
Passengers	2	5	------	------	------	39	19	25	43	27
Employees	36	22	47	21	21	143	154	152	96	92
Other persons	20	40	37	52	64	46	62	67	46	82
Train-service accidents	5,794	6,329	6,096	5,872	5,806	44,420	45,733	39,631	34,514	33,415
Passengers	100	73	69	67	61	3,155	2,632	2,375	2,055	2,101
Employees	1,088	1,181	1,039	895	977	31,563	32,572	26,936	22,640	21,151
Other persons	4,605	5,078	4,988	4,910	4,768	9,701	10,529	10,220	9,819	10,163
Causes:										
Coupling or uncoupling locomotives or cars	80	64	48	37	59	1,624	1,591	1,325	1,,35	965
Coupling or uncoupling air hose	22	20	21	28	20	435	455	398	354	328
Operating locomotives	20	11	22	13	17	6,259	5,697	4,467	3,402	3,100
Operating hand brakes	30	29	32	25	37	2,090	2,474	2,158	1,836	1,755
Operating switches	2	------	1	1	1	965	1,142	802	684	729
Contact with fixed structures	69	67	71	45	43	836	706	625	521	460
Getting on or off cars or locomotives	484	447	428	368	412	9,125	9,351	7,810	6,729	6,522
Highway grade-crossing accidents[1]	1,997	2,442	2,328	2,496	2,399	5,826	6,896	6,482	6,573	6,673
Struck or run over, not at public crossings	[2]2,415	2,579	2,487	2,253	2,188	[1]2,079	2,121	1,959	1,639	1,611
Miscellaneous	1,157	670	658	606	630	15,595	15,300	13,505	11,641	11,212
Nontrain accidents	430	401	439	365	364	92,860	80,586	62,196	48,174	40,396
Passengers	[2]4	3	3	2	3	[1]634	688	674	568	528
Employees	329	301	332	289	287	90,630	77,701	60,066	46,467	38,558
Other persons	97	97	104	74	74	1,724	2,197	1,456	1,139	1,210

[1] Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.
[2] Average for 1922 to 1924. Separate data not available for 1921.

Source: Interstate Commerce Commission.

No. 453.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of $160 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded $150 with or without a casualty. Where the damage is less than $150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911–1915 include industrial and other nontrain accidents to employees only, and for years 1908–1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents

Yearly average or year ended—	Total		Passengers		Employees		Other persons		Trespassers[1]	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294	----	----
1896–1900	6,046	42,248	222	3,237	2,054	32,793	4,670	6,219	----	----
1901–1905	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	----	----
1906	10,618	97,706	359	10,764	3,929	76,701	6,330	10,241	----	----
1907	11,839	111,016	610	13,041	4,534	87,644	6,695	10,331	----	----
1908	10,188	104,230	381	11,556	3,405	82,487	6,402	10,187	----	----
1909	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	----	----
1910	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	----	----
1911	10,306	150,159	299	12,042	3,602	126,039	6,405	12,078	----	----
1912	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	----	----
1913	10,964	200,308	350	15,130	3,715	171,417	6,899	13,761	----	----
1914	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563	----	----
1915	8,621	162,040	199	10,914	2,152	138,092	6,270	13,034	----	----
Dec. 31:										
1916	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647	----	----
1917	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976	----	----
1918	9,286	174,575	471	7,316	3,419	156,013	5,396	11,246	----	----
1919	6,978	149,658	273	7,456	2,138	131,018	4,567	10,579	----	----
1920	6,958	168,309	229	7,591	2,578	149,414	4,151	11,304	----	----
1921	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	----	----
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,385	171,712	143	6,463	2,026	152,678	2,397	9,279	2,819	3,292
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,208	2,621	3,129
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926	7,090	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927	6,821	104,799	82	4,560	1,506	88,223	2,519	9,020	2,654	2,996
1928	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577

[1] Trespassers included with "other persons" prior to 1922.

No. 454.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included

	All districts			1928		
	1926	1927	1928	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite coal, 1,000 tons	2,005	1,603	1,490	1,490	----	----
Bituminous coal, do	122,823	115,883	112,382	53,638	24,570	34,174
Fuel oil[1], 1,000 gallons	2,459,678	2,429,936	2,498,144	10,519	37,830	2,449,795
Hardwood[1], cords	30,581	27,294	25,231	10,461	14,405	365
Softwood[1], do	74,240	67,394	55,995	15,824	2,744	37,427
Total, coal equivalent[2], 1,000 tons	140,426	132,945	129,742	55,208	24,807	49,727
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	3,818	3,819	3,806	1,658	664	1,484
Total charges[3], 1,000 dollars	139,899	138,732	138,652	58,192	23,946	56,514
Ties laid in previously constructed tracks:						
Crossties, thousands	80,745	78,340	77,371	20,218	16,868	40,285
Switch and bridge ties, 1,000 board feet	[4] 275,972	259,997	[4] 269,149	[4] 98,121	63,233	107,795
Total charges[3], 1,000 dollars	[4] 117,532	117,871	[4] 118,044	[4] 42,212	23,291	52,541

[1] The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.
[2] Totals include equivalent of a small amount of miscellaneous fuel.
[3] The total charges shown do not include the labor cost of applying the rails or ties.
[4] Figures do not include data for 450 linear feet of steel ties in 1926, and 279 in 1928.

Source of Tables 453 and 454: Interstate Commerce Commission.

No. 455.—EXPRESS COMPANIES: Income Account

NOTE.—In thousands of dollars. Mileage operated by express companies, 1929: Total, 270,890; steam road, 232,093; electric line, 2,770; steamboat line, 23,612; airplane, 10,314; stage line, 2,101. The Railway Express Agency, Inc., operates 260,580 miles, and the Southeastern Express Co., 10,310 miles.

[All figures in thousands of dollars]

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues [1]	Operating expenses	Net operating revenues	Express taxes	Operating income [2]	Other income	Net income [3]
American Railway Express Co.:									
1920	333,890	141,829	195,665	234,810	[4] *39,144*	2,182	[4] *41,364*	2,076	[4] *39,288*
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1922	291,349	142,323	152,503	149,142	3,361	2,214	1,108	1,956	2,774
1923	309,579	155,736	157,444	154,446	2,998	2,138	834	1,851	2,460
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,045	1,468	2,282
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,097	149,825	3,272	2,143	1,110	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,038	1,146	1,216	2,321
1929 [5]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [6]	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
Southeastern Express Co.:									
1921 [7]	4,374	1,649	2,781	2,719	61	25	37	10	47
1922	7,103	3,320	3,880	3,750	130	79	50	20	70
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	156	88	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of two preceding columns less small deductions.
[4] Deficit.
[5] Result of operations for two months ended Feb. 28, 1929.
[6] Result of operations for ten months ended Dec. 31, 1929.
[7] Result of operations for eight months ended Dec. 31, 1921.

No. 456.—THE PULLMAN CO.: Abstract of Operations

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor [1]	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car day
June 30:									
1910	35,334	66	893	23,962	(2)	11,372	13,151	20,203	14
1911	35,698	508	1,517	25,917	10,683	9,781	10,471	21,655	12
1912	37,090	486	1,419	26,258	11,119	10,832	11,788	22,915	12
1913	40,103	513	2,035	26,713	11,785	13,390	12,417	24,864	12
1914	41,499	491	1,969	28,116	12,376	13,383	12,270	26,189	12
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
1916	43,347	487	3,230	28,836	12,762	14,511	13,017	26,782	12
Dec. 31:									
1916	44,203	482	2,694	30,879	13,457	13,324	11,745	27,886	12
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967	----------	3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071	----------	31	48,618	26,392	20,453	19,194	37,346	15
1920	72,124	----------	13,155	61,031	30,805	11,093	9,304	39,255	16
1921	64,439	----------	7,079	64,744	28,136	[3] *305*	[2] *3,277*	31,225	13
1922	65,582	----------	8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576	----------	8,555	55,885	27,365	16,691	12,289	34,249	13
1924	72,758	----------	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	----------	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	----------	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	----------	8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846	----------	8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384	----------	8,704	69,490	36,191	12,894	9,185	33,434	10

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.
Source of Tables 455 and 456: Interstate Commerce Commission.

No. 457.—ALASKAN GOVERNMENT RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30

	1928	1929		1928	1929
Road mileage operated—monthly average	543.7	543.7	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	97,341	90,006
Passenger train-miles [1]	38,598	40,729	Mixed train-miles	112,351	116,569
Mixed train-miles	112,351	116,569	Loaded cars, 1 mile, freight and mixed trains	1,559,705	1,361,064
Passenger car-miles, passenger trains [1]	38,598	44,123	Empty cars, 1 mile, freight and mixed trains	961,059	788,253
Passenger car-miles, mixed trains	210,186	233,511	All cars, 1 mile	2,520,764	2,149,317
Total revenue passengers carried	51,587	53,177	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	3,859,509	3,702,464	Coal	49,141	56,848
Total passenger revenue	$221,368	$210,995	Miscellaneous	47,836	37,275
Average revenue per passenger per mile	$0.05736	$0.05699	Tons of revenue freight carried 1 mile	19,712,037	15,628,324
			Total freight revenue	$875,298	$669,357
			Average revenue per ton per mile	$0.04440	$0.04282

[1] Motor miles.

Source: Department of the Interior.

No. 458.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS

NOTE.—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. *In the trackage statistics of this table,* each track of a double or multiple line is counted separately. Mileage figures expressed in nearest mile.

	1890	1902	1907	1912	1917	1923	1927
Number of companies	789	987	1,236	1,260	[1] 1,307	[1] 1,200	[1] 903
Miles of all track operated	8,123	22,577	34,382	41,065	44,835	43,932	40,722
Operated by:							
Electricity	1,262	21,902	34,038	40,808	44,677	43,789	40,585
Cable	488	241	62	56	45	46	43
Animal traction	5,661	259	136	58	11	4	
Steam	711	170	105	76	41	1	17
Gasoline-engine cars		[2] 6	41	66	56	[3] 86	[3] 77
Gravity					6	6	
Value of road and equipment (thousand dollars)	389,357	2,167,634	3,037,669	4,596,563	5,136,442	5,058,762	(4)
Number of employees	70,764	140,769	221,429	282,461	294,826	300,523	267,115
Number of passenger cars	32,505	60,290	70,016	76,162	79,914	77,301	70,309
Revenue passenger including pay transfer [5] (thousands)	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,066,558	12,174,592
Operating revenues (thousand dollars)	90,617	247,554	418,188	567,512	709,825	1,016,719	927,774
Operating expenses (thousand dollars)	62,011	142,313	251,309	332,896	452,595	727,795	694,460
Operating ratio (per cent)	68.4	57.5	60.1	58.7	63.8	71.6	74.9

[1] Includes companies maintaining separte organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1907 and 1912 these companies were treated as merged and not included in the number reported.

[2] Compressed air.

[3] Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

[4] Complete data not available. In 1927 a number of composite companies included the value of electric railway road and equipment in the value of their entire plant and equipment reported on their combined balance sheet on the light and power schedule and advised that this could not be separated. Statistics for Central Light and Power Stations include their combined figures.

[5] Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 459.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 458

	All companies					Surface lines	
	1907	1912	1917	1922	1927	1922	1927
Number of operating companies	945	975	943	858	682	851	678
Miles of all track [1]	34,404	41,065	44,835	43,932	40,722	43,074	39,851
First track (length of line)	25,547	30,438	32,548	31,204	27,948	(2)	27,667
Second and other tracks	8,856	10,627	12,288	12,663	12,775	(2)	12,184
Electric track with—							
Overhead trolley	32,502	38,958	42,491	41,418	[3] 38,246	41,368	[3] 38,225
Third rail and conduit trolley	1,532	1,747	2,051	2,314	2,270	1,487	1,419
Other (electric)	20	103	137	78	[3] 95	78	[3] 95
Number of cars	83,641	94,016	102,603	99,255	93,248	91,159	84,592
Passenger	70,016	76,162	79,914	77,301	70,309	69,397	61,881
Express, freight, and mail	5,669	7,794	11,534	11,406	13,337	11,406	13,337
Service cars	7,956	10,060	11,155	10,548	9,600	10,356	9,374
Number of electric locomotives	117	277	357	404	462	404	456
Horsepower of power-plant equipment [4, 5]	2,519,823	3,661,385	4,200,192	4,119,306	2,025,821	(2)	(2)
Steam turbines	535,404	1,462,800	2,322,692	2,856,006	1,561,457	(2)	(2)
Other steam engines [6]	1,876,123	1,703,088	1,221,223	827,027	420,389	(2)	(2)
Internal-combustion engines	16,335	24,190	28,294	32,495	7,700	(2)	(2)
Water wheels and turbines	91,961	471,307	627,983	403,778	35,775	(2)	(2)
Kilowatt capacity of generators [4]	1,723,416	2,505,316	2,924,779	2,972,834	1,470,904	(2)	(2)
Electric energy (1,000 kilowatt-hours) [4]	----------	9,020,018	12,187,851	12,405,053	9,389,597	(2)	(2)
Generated [4]	4,759,130	6,002,659	7,240,503	6,473,451	2,975,863	(2)	(2)
Purchased	(9)	3,017,359	4,947,348	5,931,602	6,413,734	(2)	(2)
Passengers carried (thousands) [7]	9,533,081	12,135,342	14,506,915	15,331,400	14,901,435	13,586,232	12,678,849
Revenue passengers, including pay transfer	7,441,115	9,545,556	11,304,661	12,666,558	12,174,592	10,923,274	9,953,798
Free-transfer passengers	1,995,658	2,425,918	3,021,138	2,496,570	2,571,240	2,662,958	2,570,937
Free passengers	96,308	165,869	181,116	168,272	155,594		154,114
Revenue car mileage (thousands)	1,617,731	1,921,620	2,139,802	2,124,523	2,163,773	1,821,177	1,786,560
Passenger	1,583,831	1,885,870	2,087,819	2,068,294	2,084,566	1,764,948	1,707,353
Express, freight, and mail	33,900	35,750	51,983	56,229	79,207	56,229	79,207
Average number of revenue passengers:							
Per mile of all track [8]	210,522	232,556	252,323	288,600	299,733	253,842	259,826
Per passenger car hour	43.06	48.38	53.69	61.14	59.68	(2)	57.66
Revenue car-hours (thousands)	151,339	190,478	203,057	201,838	202,513	----------	178,837
Passenger	148,678	187,590	199,053	197,146	196,464	----------	172,788
Express, freight and mail	2,661	2,888	4,004	4,692	6,049	----------	6,049
Salaried employees:							
Number	11,700	23,271	27,151	30,239	27,845	28,867	26,374
Salaries (thousand dollars)	12,909	26,129	33,910	57,489	56,647	54,481	52,770
Wage earners:							
Number	209,729	269,190	267,675	270,284	239,270	244,277	211,315
Wages (thousand dollars)	138,082	174,762	233,331	388,191	385,305	347,203	338,022
Conductors, motormen, and bus operators:							
Number	115,518	131,321	136,184	130,628	115,720	126,717	111,220
Wages (thousand dollars)	75,705	95,452	127,222	205,238	200,963	197,131	191,476
Other wage earners—							
Number	94,211	127,869	131,491	139,656	123,550	117,560	100,095
Wages (thousand dollars)	62,377	79,311	106,109	182,953	184,341	150,072	146,546

[1] Mileage expressed in nearest mile. Figures include track lying outside the United States (1907, 28 miles; 1912, 32 miles; 1917, 1922 and 1927, 27 miles).

[2] Not shown separately.

[3] Overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars.

[4] Figures for power-plant equipment, capacity of generators, and output of stations in 1927 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927. These are included in the statistics for "Central Electric Light and Power Stations." The number of companies that reported power-plant equipment in 1907 was 576; in 1912, 494; in 1917, 355; in 1922, 232 and in 1927, 70.

[5] Includes 857 units of 43,344 horsepower reported as auxiliary engines in 1907 and 33 units with 41,100 horsepower of idle equipment in 1927.

[6] No data.

[7] Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922 and 214,694,000 in 1927).

[8] Exclusive of idle track and freight and switching roads.

Source: Bureau of the Census, Department of Commerce.

No. 460.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 458. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated mileage represents passenger, express, freight, and mail-car mileage

Division and State	Miles of track lying in State or division [1]					Revenue passengers carried by companies domiciled in State (thousands)			
	1907	1912	1917	1922	1927	1907	1912	1917	1922
United States	34,354	41,033	44,808	43,905	40,696	7,441,115	9,545,555	11,304,660	12,679,349
New England	4,863	5,299	5,556	5,049	3,931	875,116	1,051,162	1,242,077	1,137,106
Maine	418	530	572	566	501	36,730	47,049	55,463	50,010
New Hampshire	268	268	269	263	156	20,087	23,673	23,405	19,650
Vermont	113	121	126	117	63	7,103	8,136	8,739	6,950
Massachusetts	2,851	2,951	3,056	2,688	2,071	597,470	705,918	834,529	732,447
Rhode Island	431	435	454	403	304	91,172	94,086	113,191	143,009
Connecticut	781	993	1,080	1,011	836	122,554	172,300	206,740	185,040
Middle Atlantic	8,891	10,064	10,604	10,519	9,473	2,839,019	3,513,721	4,225,287	4,978,230
New York	3,809	4,486	4,773	4,737	4,348	1,657,687	2,126,964	2,492,325	3,090,878
New Jersey	1,320	1,309	1,368	1,342	1,093	269,099	356,858	432,875	460,819
Pennsylvania	3,762	4,270	4,462	4,440	4,032	912,233	1,029,899	1,300,087	1,420,533
East North Central	10,353	11,884	12,703	12,431	11,802	1,607,895	2,159,621	2,712,625	2,981,417
Ohio	3,671	3,999	4,236	3,974	3,486	480,844	632,332	811,913	872,164
Indiana	1,929	2,323	2,356	2,305	2,330	137,547	173,019	191,132	241,873
Illinois	2,754	3,186	3,441	3,416	3,298	703,493	932,668	1,090,804	1,128,105
Michigan	1,324	1,526	1,768	1,817	1,779	183,239	286,956	447,780	557,900
Wisconsin	676	849	901	919	909	102,772	134,646	164,996	181,375
West North Central	2,455	3,031	3,607	3,604	3,556	615,631	787,301	902,369	942,867
Minnesota	438	538	656	681	723	136,122	186,918	235,943	262,781
Iowa	641	784	1,015	999	982	61,440	93,418	103,398	95,494
Missouri	867	959	1,094	1,098	1,054	346,362	402,210	442,756	464,603
North Dakota	14	19	24	21	19	1,872	2,862	2,841	3,378
South Dakota	5	22	24	17	16	126	1,657	1,915	2,023
Nebraska	184	214	211	206	192	49,323	64,709	74,560	76,846
Kansas	306	494	582	581	570	20,386	35,527	40,456	37,742
South Atlantic	2,244	2,900	3,221	3,191	3,063	487,982	616,725	747,582	830,514
Delaware	105	99	102	96	83	15,724	18,024	26,047	20,860
Maryland	552	720	775	758	731	152,268	186,828	228,634	248,594
Dist. of Col	160	188	195	199	185	91,569	114,100	125,536	156,242
Virginia	513	561	581	554	541	77,300	91,980	112,814	116,289
West Virginia	208	330	395	422	381	42,750	52,842	76,163	91,079
North Carolina	106	190	228	216	205	14,086	21,241	26,916	29,964
South Carolina	131	228	314	301	286	15,695	17,873	25,042	20,211
Georgia	351	417	450	449	425	59,701	86,601	93,640	105,958
Florida	118	165	183	197	226	18,889	27,236	32,771	41,317
East South Central	1,075	1,291	1,457	1,477	1,378	220,887	268,785	292,004	308,021
Kentucky	402	502	516	517	489	85,859	103,512	109,105	115,594
Tennessee	292	361	447	495	507	73,747	91,896	101,825	110,309
Alabama	294	309	369	368	335	52,107	62,494	70,343	73,046
Mississippi	86	119	124	98	47	9,084	10,883	10,731	8,412
West South Central	840	1,372	1,704	1,724	1,773	193,338	270,748	313,203	382,087
Arkansas	82	114	122	120	122	17,145	24,304	26,283	29,954
Louisiana	239	285	331	305	284	85,194	94,053	105,753	128,337
Oklahoma	100	252	302	324	334	9,502	22,121	30,766	36,260
Texas	419	721	950	975	1,033	81,497	130,268	150,401	187,536
Mountain	630	1,048	1,311	1,291	1,137	113,304	154,224	162,222	148,748
Montana	69	99	121	111	109	13,862	15,351	22,197	15,255
Colorado	317	468	467	431	356	73,458	86,597	84,624	81,613
New Mexico	10	11	11	11	11	1,029	951	1,486	1,425
Arizona	31	46	53	44	37	1,902	4,554	7,483	5,474
Idaho	73	129	156	149	121	1,327	4,170	3,279	3,256
Wyoming	----	23	23	23	----	----	1,399	1,457	684
Nevada	7	11	12	5	5	620	750	805	480
Utah	123	260	469	517	498	21,106	40,452	40,891	40,561
Pacific	3,003	4,146	4,647	4,619	4,583	487,943	723,270	707,311	970,359
Washington	730	991	1,022	954	904	110,507	126,687	146,922	143,429
Oregon	259	549	603	612	548	49,459	75,842	67,223	71,804
California	2,013	2,605	3,022	3,053	3,131	327,977	520,741	494,166	755,126

[1] Mileage figures expressed to nearest mile, original figures to nearest hundredth.
[2] Data for Missouri and South Dakota.
[3] Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

Operating Statistics, by States

other data relate to the total operations of companies domiciled in the State, part of which may be con-passenger revenue and in other similar ratios are largely due to differences in the relative importance directly by electric railways; lines operated by subsidiary companies are not included. Revenue car

Revenue passengers carried by companies domiciled in State (thousands)—Con.		Passenger revenue of companies domiciled in State (thousands of dollars)				Revenue car miles operated by companies domiciled in State (thousands)				Division and State
1927				1927				1927		
Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	
12,174,592	167,781	502,652	854,663	834,601	14,578	1,921,620	2,124,523	2,163,773	65,068	U. S.
910,455	54,621	52,521	87,704	79,752	4,607	191,451	173,083	154,549	15,971	N. E.
32,499	75	2,458	4,243	3,060		11,124	11,027	9,485	174	Me.
10,807	113	1,202	1,585	924	44	4,726	4,006	2,767	71	N. H.
3,591	70	423	451	258		1,775	1,406	980	30	Vt.
604,951	45,916	35,146	58,521	55,198		125,894	105,162	96,723	13,166	Mass.
105,210	8,447	13,292	22,904	20,312	4,563	15,085	16,244	13,932	2,530	R. I.
153,297	--------					32,846	35,238	30,662	--------	Conn.
5,172,379	174	180,634	297,560	308,687	17	663,589	710,550	755,120	55	M. A.
3,407,410	162	110,700	168,451	186,692	16	411,008	442,114	496,910	51	N. Y.
406,444	12	17,616	30,863	21,743	1	60,994	69,214	52,179	4	N. J.
1,358,525	--------	52,318	98,246	100,252	--------	191,587	199,222	206,031	--------	Pa.
2,886,084	55,906	118,128	213,365	211,822	5,061	474,239	546,337	571,510	22,683	E. N. C.
726,069	24,552	32,672	55,359	50,309	1,989	137,548	141,247	136,400	7,081	Ohio.
201,070	7,580	12,796	20,286	18,579	513	47,879	58,552	63,782	4,043	Ind.
1,257,594	10,282	49,815	93,817	100,278	1,007	201,027	230,127	256,985	4,310	Ill.
521,774	1,920	15,877	31,473	29,186	196	61,189	83,571	78,929	1,316	Mich.
179,577	11,572	6,968	12,430	13,270	1,356	26,596	32,840	35,414	5,933	Wis.
758,333	3,399	40,854	66,880	56,599	394	152,347	174,012	159,097	2,303	W. N. C.
207,476	--------	9,420	15,850	14,379	--------	32,793	36,066	35,546	--------	Minn.
66,883	1,675	5,259	7,850	5,968	175	22,122	29,152	23,892	783	Iowa.
407,210	407	20,216	34,137	30,106		72,573	80,738	76,702	180	Mo.
2,893	--------	222	342	382	[2] 167	661	926	951	--------	N. Dak.
736	510					474	579	368	879	S. Dak.
51,890	132	3,277	4,930	3,695	12	12,613	13,980	11,291	65	Nebr.
21,245	675	2,460	3,771	2,069	40	11,111	12,571	10,347	396	Kans.
743,305	9,401	30,921	58,863	54,733	[2] 749	124,591	153,154	151,263	3,812	S. A.
18,961	--------	15,480	30,995	29,164	--------	3,967	3,883	3,649	--------	Del.
227,918	--------				--------	34,439	42,401	40,387	--------	Md.
136,888	7,459				[3]	18,558	21,037	20,082	2,775	D. C.
100,751	--------	4,532	7,540	6,979	--------	19,903	24,312	24,632	--------	Va.
71,163	--------	3,034	6,570	5,761	--------	11,707	15,238	15,504	--------	W. Va.
25,443	--------	1,177	2,068	1,708	--------	5,998	6,887	6,595	--------	N. C.
10,255	--------	929	1,755	751	--------	4,658	7,719	7,399	--------	S. C.
98,564	265	4,395	7,521	6,991	[3]	19,217	22,619	21,429	150	Ga.
53,362	1,677	1,374	2,414	3,379	[3]	6,144	9,058	11,586	887	Fla.
311,351	--------	13,868	20,840	20,541	--------	58,056	58,389	59,504	--------	E. S. C.
117,894	--------	5,592	7,643	7,764	--------	22,274	20,372	21,480	--------	Ky.
103,984	--------	4,004	7,735	7,252	--------	18,936	19,122	20,635	--------	Tenn.
85,463	--------	3,004	4,812	5,270	--------	13,313	15,820	15,910	--------	Ala.
4,010	--------	608	650	255	--------	3,583	3,075	1,479	--------	Miss.
352,541	14,305	14,790	29,529	27,562	1,094	61,617	80,091	82,050	5,215	W. S. C.
25,887	28	1,183	1,781	1,530	3	5,594	5,735	6,371	26	Ark.
123,491	3,683	4,725	9,388	8,554	265	21,812	20,429	18,230	1,123	La.
23,808	4,178	1,254	3,127	2,443	301	6,143	9,356	9,017	1,416	Okla.
179,355	6,416	7,628	15,233	15,035	525	28,068	44,571	48,423	2,650	Tex.
118,004	1,283	8,061	11,459	9,072	136	30,150	32,739	32,187	723	Mt.
14,108	--------	800	951	859	--------	2,901	2,979	3,090	--------	Mont.
64,865	591	4,521	6,222	4,898	[4]	17,202	15,746	15,152	259	Colo.
516	--------	282	382			309	410	334	--------	N. Mex.
5,432	--------			447	--------	1,019	981	1,096	--------	Ariz.
837	--------	451	388			1,420	1,323	770	--------	Idaho.
--------	--------					381	253	--------	--------	Wyo.
351	--------	2,007	3,516	2,868	--------	270	108	80	--------	Nev.
31,895	692				[4] 136	6,648	10,939	11,065	464	Utah.
922,140	28,692	42,875	68,463	66,033	2,520	165,580	196,168	198,493	14,306	Pac.
118,303	5,570	7,283	12,273	10,587	972	29,517	36,299	32,273	3,953	Wash.
60,471	2,652	4,578	6,285	5,147		19,509	21,341	20,192	1,313	Oreg.
743,366	20,470	31,014	49,905	50,299	1,548	116,554	138,528	146,028	9,040	Calif.

[4] Data for Colorado included with Utah.

Source: Bureau of the Census, Department of Commerce.

No. 461.—ELECTRIC RAILWAYS: MILEAGE AND CARS AND BUSSES OPERATED

NOTE.—This table includes mileage and equipment of city, interurban, and electrified steam railroads in continental United States. Steam locomotives and cars owned by electric railways and used primarily for steam service are omitted. All data beginning 1924 and data for busses in 1923 are about December; all other data are about July. Mileage figures expressed in nearest mile

Year, division, and State	Companies operating	Miles of all track	Passenger cars		Freight cars		Service cars	Other cars	Electric locomotives	Busses operated by electric railways	
			Motor	Trailer	Motor	Trailer				Number	Mileage
1915	1,027	46,454	79,007	3,048	538	1,884	14,036	380	512	[1]	[1]
1920	831	47,705	77,722	6,027	1,215	7,441	5,723	6,809	751	[1]	[1]
1921	838	47,555	77,021	6,142	1,324	7,712	7,005	4,754	760	129	[1]
1922	827	47,150	75,442	7,624	1,375	7,903	8,761	2,795	772	300	[1]
1923	821	47,283	75,249	7,423	1,712	8,442	8,971	2,435	814	1,173	[1]
1924	769	46,837	75,078	6,768	1,700	9,016	9,092	2,491	799	2,304	[1]
1925	759	46,750	74,808	6,737	1,760	9,133	9,004	2,370	809	5,207	[1]
1926	734	46,624	73,694	7,050	1,960	9,850	8,731	2,600	870	7,505	15,300
1927	703	46,149	72,030	7,355	2,265	10,500	8,474	2,950	910	8,864	17,500
1928	[2] 686	45,272	69,862	7,660	2,488	11,037	8,208	3,286	948	10,719	22,032
1929	[2] 871	42,431	66,767	7,001	1,828	11,342	8,724	[3] 3,325	945	11,854	23,886
New England	63	4,074	6,253	410	119	91	1,206	-------	167	1,163	1,964
Maine	12	423	321	8	25	69	94	-------	7	5	25
New Hampshire	11	125	172	-------	-------	1	30	-------	2	41	71
Vermont	4	20	7	-------	2	1	3	-------	3	23	32
Massachusetts	25	1,913	3,773	288	23	12	752	-------	6	713	1,132
Rhode Island	3	302	585	9	15	-------	113	-------	3	164	161
Connecticut	8	1,291	1,395	105	54	8	214	-------	146	217	543
Middle Atlantic	102	10,329	25,611	3,134	318	169	2,782	-------	212	4,181	5,852
New York	71	5,276	16,056	2,773	196	87	1,524	-------	203	831	948
New Jersey	13	1,164	2,679	100	5	-------	327	-------	-------	2,458	3,185
Pennsylvania	78	3,889	6,876	261	117	82	931	-------	9	892	1,519
East North Central	159	11,049	14,828	1,998	752	4,040	2,143	-------	164	3,238	7,909
Ohio	49	3,267	3,475	585	173	577	645	-------	26	986	1,879
Indiana	24	2,496	1,619	89	426	519	436	-------	23	443	1,330
Illinois	49	3,245	6,327	975	88	2,787	766	-------	80	463	1,372
Michigan	22	1,274	2,208	295	57	163	254	-------	27	1,036	1,856
Wisconsin	15	767	1,199	54	8	4	42	-------	8	310	1,472
West North Central	68	3,471	4,855	299	95	1,088	744	-------	63	652	2,271
Minnesota	8	694	1,198	26	1	-------	99	-------	2	117	145
Iowa	23	984	614	43	13	1,036	193	-------	39	150	1,089
Missouri	14	1,152	2,281	186	14	22	338	-------	5	179	249
North Dakota	3	26	42	1	-------	-------	9	-------	-------	4	5
South Dakota	1	-------	-------	-------	-------	-------	-------	-------	-------	27	574
Nebraska	4	184	452	20	1	1	67	-------	3	54	42
Kansas	15	431	268	23	66	29	38	-------	14	121	167
South Atlantic	60	3,407	4,495	274	82	314	525	-------	63	1,000	2,934
Delaware	1	70	113	-------	-------	-------	15	-------	-------	22	47
Maryland	5	668	1,277	156	28	95	148	-------	3	231	1,502
Dist. of Columbia	5	395	862	24	2	13	109	-------	6	144	288
Virginia	13	677	684	61	10	7	82	-------	16	247	171
West Virginia	10	635	365	-------	25	28	54	-------	19	128	642
North Carolina	8	322	205	10	4	159	40	-------	17	60	39
South Carolina	4	60	72	-------	3	-------	9	-------	-------	9	33
Georgia	7	370	535	21	8	10	44	-------	2	69	45
Florida	7	210	382	2	2	2	24	-------	-------	90	67
East South Central	33	1,304	1,758	186	29	1	261	-------	5	204	502
Kentucky	7	495	731	71	24	-------	126	-------	-------	84	77
Tennessee	9	455	593	53	2	1	71	-------	3	49	366
Alabama	10	330	397	62	3	-------	61	-------	2	15	24
Mississippi	7	24	35	-------	-------	-------	3	-------	-------	56	35
West South Central	48	1,810	2,565	130	115	83	271	-------	24	516	872
Arkansas	7	119	233	10	2	-------	17	-------	-------	20	21
Louisiana	8	286	787	47	2	-------	78	-------	-------	61	73
Oklahoma	11	379	231	27	83	67	34	-------	19	140	178
Texas	22	1,026	1,314	46	28	16	142	-------	5	295	400
Mountain [4]	29	1,544	766	201	44	1,994	179	-------	73	111	221
Montana	8	705	105	14	35	1,430	32	-------	50	5	4
Idaho	1	-------	-------	-------	-------	-------	-------	-------	-------	11	17
Wyoming	1	-------	-------	-------	-------	-------	-------	-------	-------	9	28
Colorado	9	343	366	127	2	220	86	-------	9	46	70
Arizona	3	24	33	-------	3	-------	3	-------	-------	13	23
Utah	7	472	262	60	4	344	58	-------	14	27	79
Pacific	49	5,443	5,638	369	274	3,562	613	-------	174	789	1,761
Washington	18	1,293	936	64	203	128	69	-------	47	135	280
Oregon	5	685	609	76	4	431	116	-------	24	62	71
California	26	3,465	4,093	229	67	2,953	428	-------	103	592	1,410

[1] No report. [2] Includes companies operating busses only (56 in 1928 and 54 in 1929).
[3] Not reported by States. [4] No data for New Mexico and Nevada.

Source: Electric Railway Journal.

No. 462.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE. See headnote to Table 458

[All figures except percentages in thousands of dollars]

	All companies					Surface lines		Motor-bus lines, 1927
	1907	1912	1917	1922	1927	1922	1927	
Gross operating revenue	418,188	567,511	709,825	1,016,719	[1] 927,774	910,557	798,754	68,121
Railway operations	400,806	535,996	650,150	925,477	918,869		789,849	67,253
Passenger	382,132	502,652	603,130	854,663	834,601	757,736	713,288	
Baggage, express, and milk	1,561	3,688	4,966	5,285	4,271		4,271	
Freight	5,231	10,165	18,546	31,560	39,125	153,121	59,125	868
Other railway operations	11,972	19,491	23,508	33,969	40,872		33,165	
Auxiliary operations	17,292	31,515	59,675	91,242	[1] 8,905		8,905	
Operating expenses (total)	251,309	332,998	452,595	727,795	894,460	660,135	616,258	66,002
Railway operating expenses	245,140	318,700	421,251	678,563	686,638	612,099	608,436	65,771
Way and structures	28,521	44,270	55,170	102,003	96,285	94,126	85,807	23,717
Equipment	31,486	38,717	48,982	87,236	92,865	77,500	79,249	
Power	43,972	63,590	76,958	107,246	98,602	92,700	84,508	
Conducting transportation	[2] 97,123	[2] 120,205	174,973	286,090	294,322	260,957	262,415	12,054
All other	44,038	52,909	64,868	95,388	104,564	90,726	96,457	
Auxiliary operations	6,169	14,196	31,344	49,232	[1] 7,822	48,036	7,822	231
Ratio of expenses to revenue (per cent)	60.1	58.7	63.8	71.6	74.9	72.5	77.2	-------
Net operating revenue	166,879	234,615	257,230	288,924	[1] 233,313	250,722	182,496	2,119
Taxes	19,756	35,028	45,756	64,788	57,808	58,347	49,594	2,880
Operating income	147,123	199,587	211,474	224,136	175,505	192,375	132,902	[3] 761

[1] Not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished complete separate reports for these departments in 1927 which are included in statistics for "Central Electric Light and Power Stations."

[2] Includes superintendence of power. [3] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 463.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				Receivers' certificates
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		
			Stock	Bonds			Stock	Bonds	
			Dollars	Dollars			Dollars	Dollars	Dollars
1909	22	558	29,962,200	22,325,000	21	488	22,265,700	21,174,000	(1)
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	(1)
1911	19	519	29,533,450	38,973,293	25	661	91,354,800	115,092,750	(1)
1912	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	(1)
1913	18	343	31,000,900	47,272,200	17	302	15,243,700	19,094,500	(1)
1914	10	362	35,562,550	19,050,460	11	181	26,339,700	44,094,241	(1)
1915	27	1,152	40,298,050	39,372,375	19	308	30,508,817	16,759,997	(1)
1916	15	359	14,476,600	10,849,200	19	430	13,895,400	22,702,300	(1)
1917	21	1,177	33,918,725	33,778,400	26	745	27,281,900	27,313,045	(1)
1918	29	2,018	92,130,388	163,257,102	23	524	37,740,325	20,149,384	(1)
1919	48	3,781	321,259,354	312,915,104	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,065	28,758,455	72,283,575	13	260	7,782,400	11,227,328	52,000
1921	19	986	32,909,525	36,177,800	13	778	33,642,255	30,863,526	5,000
1922	14	695	18,140,150	20,304,460	13	323	7,491,500	12,640,600	114,083
1923	12	334	8,332,100	14,707,066	15	927	118,077,959	110,683,250	12,265,000
1924	12	1,022	28,489,700	35,716,000	14	869	21,022,800	34,845,535	3,440,388
1925	14	1,260	51,383,195	54,696,525	13	569	18,074,300	18,329,555	53,000
1926	16	1,228	17,769,435	117,560,073	28	1,291	20,054,700	57,340,363	214,000
1927	13	624	17,615,050	20,875,450	16	941	53,345,000	78,445,100	3,140,000
1928	8	262	9,216,700	14,700,700	8	1,004	26,084,325	40,683,400	168,150
1929	5	426	39,035,000	35,138,400	10	510	18,472,995	21,173,790	285,350

[1] Data not available.

Source: Annual Statistical Number, Electric Railway Journal.

No. 464.—ELECTRIC RAILWAYS: COMPARATIVE STATISTICS OF SUBWAY AND ELEVATED LINES [1]

	1907	1912	1917	1922	1927
Number of companies	6	7	7	7	[2] 4
Miles of track [3]	420.4	517.8	666.1	857.9	870.9
Number of cars	4,453	5,706	6,801	8,096	8,654
Passengers carried (thousands)	640,705	1,004,823	1,274,652	1,745,167	2,222,586
Revenue passengers, including pay transfer	635,653	991,062	1,262,509	1,743,284	2,220,794
Revenue car mileage (thousands)	143,634	219,467	247,199	343,346	377,213
Average number of revenue passengers:					
Per mile of all track [4]	1,514,866	1,918,950	2,112,349	2,229,719	2,858,422
Per passenger car hour	(5)	(5)	(5)	90.86	93.80
Salaried employees:					
Number	362	907	1,937	1,372	1,471
Salaries	$569,317	$1,397,898	$2,647,901	$3,008,067	$3,877,475
Wage earners:					
Number	12,501	19,098	26,835	26,007	27,955
Wages	$8,588,493	$13,866,813	$22,092,946	$40,987,936	$47,282,821

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.
[2] Prior to 1927 four companies in Illinois were consolidated forming the Chicago Rapid Transit Co.
[3] Includes a minor amount of surface trackage.
[4] Average for 1917, 1922, and 1927 based upon running track exclusive of idle track and freight and switching roads; for 1907 and 1912, upon all track exclusive of idle track and freight and switching roads.
[5] No data.

Source: Bureau of the Census, Department of Commerce.

No. 465.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

NOTE.—In these statistics all track is included; each track of a double or multiple line is counted separately. Mileage expressed in nearest tenth

Class of trackage and State	1907	1912	1917	1922	1927	Class of trackage and State	1907	1912	1917	1922	1927
Elevated, total	362.4	417.8	497.3	601.7	634.2	Subways and tunnels, total	74.8	112.7	218.8	325.6	342.4
New York	200.4	230.8	297.0	362.8	373.0	New York [2]	60.4	70.5	162.4	269.1	281.7
Illinois	125.8	141.9	146.9	163.9	178.7	Massachusetts	7.8	18.5	25.2	27.0	29.4
Pennsylvania	7.7	9.9	16.7	32.4	32.2	New Jersey [3]	------	11.7	12.6	12.6	12.6
Massachusetts	16.7	26.6	26.2	30.1	35.6	Pennsylvania	5.6	8.4	9.0	8.0	9.2
New Jersey	[1] 7.2	4.3	4.4	4.3	4.3	California	------	.3	5.4	5.4	5.9
Missouri	3.2	2.9	3.0	2.9	------	Illinois	.6	1.9	1.9	1.8	1.8
Washington	------	------	------	2.7	7.8	All other States [4]	.4	1.4	2.3	1.7	1.8
Maryland	1.4	1.4	1.4	1.4	1.4						
California	------	------	1.2	1.2	1.2						
Kansas	------	------	.5	------	------						

[1] Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road in subsequent years.
[2] Excludes 11.68 miles operated in New Jersey.
[3] Includes 11.68 miles owned by a New York company.
[4] Minnesota, Missouri, Rhode Island, and Washington, 1927; Rhode Island, Minnesota, and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

No. 466.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—All figures in thousand of dollars. Data exclude the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

Account	1907	1912	1917	1922	1927
Income from all sources	34,258	55,246	70,213	108,483	132,135
Operating revenues	33,874	52,239	68,537	105,862	129,020
Operating expenses	15,129	23,613	31,669	67,660	78,202
Net operating revenue	18,745	28,626	36,868	38,202	50,818
Taxes of operating companies	1,986	3,501	5,136	6,441	8,215
Operating income	16,759	25,125	31,732	31,761	42,603
Miscellaneous income	384	3,008	1,676	2,621	3,115
Gross income	17,143	28,133	33,408	34,382	45,718
Deductions from gross income	11,473	18,902	21,347	34,856	33,907
Interest	3,701	9,654	10,442	19,225	23,270
Miscellaneous	7,772	9,248	10,905	15,631	10,637
Net income	5,670	9,231	12,061	[1] 474	11,811
Dividends	4,009	8,530	10,087		6,250
Surplus	1,661	701	1,974	[1] 474	5,561

[1] Deficit.

No. 467.—MOTOR-BUS LINES OPERATED DIRECTLY BY ELECTRIC RAILWAYS AND SUBSIDIARY COMPANIES: SUMMARY, 1927

	Total	Operated by—	
		Electric railway companies	Subsidiary companies
Number of companies	301	98	203
Number of routes operated	1,583	482	1,101
Miles of route (round trip)	29,266.98	7,072.92	22,194.06
Miles of street or highway served (one way)	14,298.72	3,312.76	10,985.96
Number of busses, total	8,277	2,064	6,213
Owned	7,818	1,885	5,933
Rented	459	179	280
Single-deck	7,745	1,976	5,769
Owned	7,303	1,797	5,506
Rented	442	179	263
Double-deck	532	88	444
Owned	515	88	427
Rented	17		17
Number of busses in operation	7,681	1,901	5,780
Average number of busses operated in scheduled service during year	6,238	1,585	4,653
Number of passengers carried (thousands)	875,402	214,694	660,708
Revenue passengers	771,806	163,199	608,608
Pay-transfer passengers	12,453	4,583	7,871
Free-transfer passengers	85,235	45,667	39,568
Free passengers	5,907	1,246	4,661
Number of bus miles (thousands)	272,518	65,905	206,613
Revenue miles	270,483	65,068	205,415
Nonrevenue miles	2,035	837	1,198
Number of bus hours (thousands)	24,927	5,716	19,210
Revenue hours	24,571	5,632	18,939
Nonrevenue hours	356	84	271
Number killed or died from injuries	108	15	93
Number injured but not killed	10,082	3,151	6,931
INCOME STATISTICS (thousands of dollars)			
Operating revenues	68,121	15,135	52,986
Transportation revenues	67,253	15,004	52,248
Miscellaneous	868	131	738
Operating expenses	65,771	15,272	50,500
Maintenance of plant and equipment	23,717	5,398	18,319
Operation	36,056	8,554	27,502
General expense including traffic promotion	5,998	1,320	4,678
Net operating revenue, motor-bus lines	2,349	[1] 137	2,486
Net revenue from auxiliary operations	[1] 231		[1] 231
Total net revenues, motor-bus and auxiliary	2,119	[1] 137	2,255
Taxes	2,880	584	2,295
Operating income, motor-bus and auxiliary	[1] 761	[1] 721	[1] 40
Nonoperating income	295	32	264
Gross income	[1] 466	[1] 690	224
Deductions from gross income	1,707	198	1,509
Net income	[1] 2,173	[1] 888	[1] 1,285
Number of employees	10,633	3,619	13,014
Salaried employees	2,333	285	2,068
Wage earners	14,300	3,354	10,946
Salaries and wages (thousands of dollars)	27,564	6,119	21,445
Salaries	3,340	657	2,683
Wages	24,224	5,462	18,762

[1] Deficit.

Source of Tables 466 and 467: Bureau of the Census, Department of Commerce.

21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Porto Rico; from United States Shipping Board, continental United States

General note as to units of measurement.—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, storage, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 468.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1924	1925	1926	1927	1928
Foreign commerce, total	101, 562	108, 547	131, 293	120, 523	126, 768
Imports, through seaports	36, 425	42, 792	44, 834	43, 388	46, 690
Exports, through seaports	49, 008	49, 251	69, 859	56, 550	56, 151
Imports, Great Lakes ports	4, 962	7, 317	6, 424	8, 098	8, 548
Exports, Great Lakes ports	11, 167	9, 187	10, 176	12, 487	15, 379
Domestic commerce, unadjusted total	384, 454	443, 022	470, 208	473, 118	482, 232
Coastwise, between ports	88, 554	105, 090	108, 023	121, 036	110, 254
Great Lakes, between ports	93, 188	111, 568	116, 486	113, 917	119, 301
Local traffic of seaports and Great Lakes ports [1]	77, 270	64, 081	89, 108	78, 162	77, 925
Traffic between seaports and river points	32, 315	47, 214	34, 510	38, 191	37, 672
Traffic on rivers, canals, and connecting channels [2]	[3] 93, 127	114, 109	122, 021	121, 812	128, 080
Foreign and domestic, unadjusted total	486, 015	551, 568	601, 501	593, 641	609, 009
Deduction of duplications:					
Traffic between seaports and river points	32, 315	47, 214	34, 510	38, 191	37, 672
Other duplications (canals, etc.) [4]	(5)	20, 954	26, 491	22, 950	32, 128
Net total, foreign and domestic	453, 700	483, 400	540, 500	532, 500	539, 200
Approximate net total, domestic [6]	352, 139	374, 854	409, 207	411, 977	412, 432

[1] Includes the following, with figures for 1928: Harbor traffic of New York, Philadelphia, and San Francisco (49,507,000 tons); local traffic of other seaports (21,939,000); local traffic of lake ports (6,479,000).

[2] Excluding Sault Ste. Marie Canal traffic (86,993,000 tons in 1928) and additional Detroit River traffic (13,227,000 tons in 1928), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

[3] Not comparable with later years; see note 5.

[4] Principally coastwise and lake traffic passing through canals and connecting channels, other than the Sault Ste. Marie Canal and the Detroit River.

[5] Not available; the figures were for the most part deducted from river and canal traffic.

[6] Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic; there are, however, some minor cases of duplication connected with foreign traffic.

Source: Board of Engineers for Rivers and Harbors.

No. 469.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1928

NOTE.—In thousands of short tons of 2,000 pounds. In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained. These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	**46,690**	**56,151**	**120,975**	**117,532**
Atlantic ports	**35,437**	**21,387**	**73,248**	**49,475**
Searsport, Me	8	3	413	-------
Portland, Me	601	126	2,089	221
Portsmouth, N. H	45	-------	277	16
Boston Harbor, Mass	2,065	403	10,797	1,938
Beverly, Mass	60	-------	506	106
Salem, Mass	10	-------	202	1,350
Lynn, Mass	12	-------	283	1,660
New Bedford and Fairhaven, Mass	(1)	(1)	702	97
Fall River, Mass	706	9	1,073	878
Newport, R. I	1	-------	117	11
Providence, R. I	292	3	4,077	427
New London, Conn	21	-------	536	130
New Haven, Conn	20	-------	1,454	95
Bridgeport, Conn	12	-------	1,029	135
Stamford, Conn	-------	-------	413	26
Greenwich, Conn	-------	-------	193	18
New York Harbor, N. Y	17,865	12,799	28,696	10,069
Hempstead, N. Y	-------	-------	203	7,157
Huntington Bay, N. Y	-------	-------	1	1,244
Port Jefferson, N. Y	-------	-------	21	2,736
Philadelphia, Pa.[2]	4,988	2,101	9,468	3,605
Baltimore, Md	4,558	1,692	2,570	1,914
Hampton Roads, Va	621	2,674	1,479	15,971
Wilmington, N. C	281	30	524	42
Charleston Harbor, S. C.[3]	704	285	1,199	363
Savannah, Ga	462	328	1,001	373
Brunswick, Ga	137	129	339	312
Fernandina, Fla	-------	261	-------	1
Jacksonville, Fla	375	242	1,133	513
Miami, Fla	120	23	251	90
Key West, Fla	186	242	64	1
San Juan, P. R	172	23	521	308
Gulf ports	**7,410**	**17,894**	**6,891**	**34,042**
Charlotte, Fla	1	99	2	351
Tampa, Fla	140	977	968	1,060
Gulf ports—Con.				
Pensacola, Fla	165	234	378	36
Mobile, Ala	467	739	590	742
Gulfport, Miss	45	348	264	11
New Orleans, La	5,309	4,724	1,841	1,027
Baton Rouge, La	247	1,459	108	2,393
Galveston, Tex	356	1,939	981	1,470
Texas City, Tex	77	276	177	2,962
Houston, Tex	367	4,500	919	5,271
Freeport, Tex	-------	233	3	179
Sabine, Tex	-------	3	(1)	103
Port Arthur, Tex	7	996	292	6,678
Beaumont, Tex	189	999	91	8,362
Corpus Cristi, Tex	7	220	19	3,308
Pacific ports	**3,843**	**16,869**	**40,837**	**34,015**
San Diego, Calif	28	6	736	23
Los Angeles, Calif	654	6,532	4,917	13,594
San Luis Obispo, Calif	-------	439	38	853
San Francisco Bay, Calif	1,296	4,016	15,636	7,314
Monterey, Calif	-------	-------	132	53
Humboldt, Calif	-------	75	180	324
Long Beach, Calif	90	534	331	1,007
Coos Bay, Oreg	-------	170	34	362
Portland, Oreg	141	1,399	2,452	1,031
Other ports on Columbia and Willamette Rivers	2	467	100	404
Long View, Wash	1	140	107	248
Grays Harbor, Wash	2	804	172	1,300
Port Gamble, Wash	-------	33	213	126
Olympia, Wash	1	217	512	229
Tacoma, Wash	362	730	3,449	968
Seattle, Wash	471	721	6,125	1,500
Everett, Wash	130	204	1,600	687
Anacortes, Wash	243	56	504	121
Bellingham, Wash	35	162	1,227	905
Port Angeles, Wash	167	22	192	201
Port Ludlow, Wash	-------	38	242	132
Honolulu, Hawaii	140	18	1,121	822
Kahului, Hawaii	6	-------	153	211
Hilo, Hawaii	25	-------	150	265

[1] Less than 500 tons. [2] Including Delaware and Schuylkill Rivers, Pa. [3] Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 470.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

NOTE.—In thousands of short tons of 2,000 pounds. Foreign imports and exports and coastwise receipts and shipments are included

Port	Receipts				Shipments			
	1925	1926	1927	1928	1925	1926	1927	1928
Total	**119,814**	**122,188**	**120,557**	**128,325**	**119,827**	**127,384**	**127,862**	**134,204**
Agate Bay, Minn	190	250	191	174	6,753	7,027	6,413	6,432
Alpena, Mich	227	229	249	247	1,168	1,372	1,313	1,578
Ashland, Wis	749	760	833	734	7,466	7,998	7,089	7,259
Ashtabula, Ohio	8,792	10,376	7,954	7,100	1,868	2,068	3,049	4,213
Buffalo, N. Y.:								
By lake	14,985	13,313	14,793	16,213	2,970	3,693	3,069	3,335
By canal	503	393	384	-------	1,036	998	926	1,959

No. 470.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1925	1926	1927	1928	1925	1926	1927	1928
Calcite, Mich	93	67	112	138	8,413	9,041	10,345	11,137
Charlotte, N. Y. (Rochester)	176	105	154	174	555	973	862	1,319
Chicago, Ill.[1]	12,924	10,906	11,551	14,542	1,502	1,892	1,875	1,398
Cleveland, Ohio	11,426	11,993	10,730	11,905	666	761	1,204	1,363
Conneaut, Ohio	9,777	10,656	8,944	9,283	1,612	2,144	772	1,845
Detroit, Mich	4,010	4,042	2,424	3,310	197	279	422	676
Duluth-Superior	10,935	11,780	13,816	11,733	40,130	41,915	38,896	41,471
Erie, Pa	951	1,685	1,791	1,310	575	1,198	921	874
Escanaba, Mich	327	578	201	196	6,474	7,093	6,584	6,111
Fairport, Ohio	3,327	3,495	3,276	3,524	1,001	697	1,567	2,132
Frankfort, Mich	933	898	897	874	716	732	670	777
Gary, Ind	6,760	5,967	5,393	7,216			4	16
Grand Haven, Mich	408	417	518	627	546	516	720	742
Green Bay, Wis	1,166	1,271	1,417	1,348	257	266	286	278
Huron, Ohio	1,165	1,358	1,324	1,140	747	612	247	754
Indiana Harbor, Ind	3,956	4,646	4,596	5,649	1,332	798	929	1,091
Kewaunee, Wis	192	175	124	227	207	212	209	254
Keweenaw Waterway, Mich	614	899	957	703	48	68	65	70
Lorain, Ohio	5,259	4,731	4,511	4,421	1,581	2,104	2,756	2,163
Ludington, Mich	1,012	985	965	1,075	1,522	1,449	1,447	1,507
Manistique, Mich	96	83	85	81	212	183	184	168
Manitowoc, Wis	1,440	1,422	1,422	1,490	765	734	846	830
Marquette Harbor, Mich	290	241	207	207	1,402	1,018	926	852
Marquette Bay, Mich					2,517	2,820	2,720	2,979
Menominee, Mich. and Wis	457	527	514	534	201	285	240	247
Milwaukee, Wis	5,611	6,111	6,512	6,197	1,297	1,426	1,721	1,787
Muskegon, Mich	356	310	402	486	33	30	30	153
Ogdensburg, N. Y	592	643	1,492	563	68	733	45	895
Rockport, Mich	13	26	15	16	1,415	1,847	1,760	1,986
Rouge River, Mich	2,946	3,163	3,069	4,478	64	36	72	117
Sandusky, Ohio	243	158	124	105	6,120	6,934	7,985	7,145
Sault Ste. Marie, Mich.[2]	761	764	808	834				4
Sheboygan, Wis	384	458	464	438	12	11	12	10
Sturgeon Bay, Wis	20	19	25	23	330	381	370	473
Toledo, Ohio	1,871	2,278	1,767	2,745	14,049	14,202	16,799	15,795
Tonawanda, N. Y.[3]	484	453	486	317	21		16	2
Wyandotte, Mich	1,029	1,159	874	1,477				11
All other	2,356	2,485	4,187	4,471	1,888	1,164	1,496	

[1] Includes Chicago Harbor, Chicago River and Calumet Harbor.

[2] Port of.

[3] By lake and Niagara River.

Source: Annual Reports of the Chief of Engineers, United States Army.

No. 471.—COMMERCE ON THE PRINCIPAL RIVERS, CANALS, AND CONNECTING CHANNELS OF THE UNITED STATES, 1928

Note.—There is much duplication as between different rivers, canals, and channels, and between those different sections of a single river which are separately reported

[In thousands of short tons of 2,000 pounds]

River, canal, or channel	Total	Rafted and floated timber[1]	River, canal, or channel	Total	Rafted and floated timber[1]
ATLANTIC COAST			ATLANTIC COAST—continued		
Penobscot, Me	617		Rappahannock River, Va	250	
Kennebec River, Me	191		Mattaponi River, Va	143	
Herring River, Mass	623		Pamunkey River, Va	237	
Pawtucket River, R. I	387		York River, Va	291	
Thames River, Conn	331		James River, Va	1,125	
Connecticut River (below Hartford)	531		Nansemond River, Va	254	
Housatonic River, Conn	201		Roanoke River, N. C	170	93
Hudson River, N. Y:			Pamlico and Tar Rivers, N. C	221	77
Middle section	[2] 6,741		Neuse River, N. C	233	34
Upper section	[2] 1,472		Cape Fear River, N. C. (above Wilmington)	133	42
Cooper River, N. J	248		Waccamaw River, N. C. and S. C	169	38
Maurice River, N. J	192		Wando River, S. C	190	183
Delaware River, Philadelphia, Pa., to Trenton	[2] 5,064		Altamaha River, Ga	103	18
Potomac River (below Washington, D. C.)	2,078		St. Johns River, Fla.:		
			Jacksonville to Palatka	154	21
			Palatka to Lake Harney	141	43

[1] Included in the total.

[2] Excludes car ferry, general ferry, and cargoes in transit.

No. 471.—Commerce on the Principal Rivers, Canals, and Connecting Channels of the United States, 1928—Continued

River, canal, or channel	Total	Rafted and floated timber[1]
GULF COAST		
Appalachicola River, cut-off, Lee Slough, and Lower Chipola River, Fla.	164	15
Alabama River, Ala.	346	47
Black Warrior, Warrior, and Tombigbee Rivers, Ala.	1,758	195
Pascagoula River, Miss.	129	-------
Mobile River, Ala., tributaries	642	171
Atchafalaya River, Morgan City to Gulf of Mexico	916	215
Lake Ponchartrain, La.	858	-------
Calcasieu River and Pass, La.	686	(3)
MISSISSIPPI RIVER AND TRIBUTARIES		
Ouachita and Black Rivers, Ark. and La.	401	5
Arkansas River, Ark. and Okla.	428	43
White River, Ark.	154	60
St. Francis and L'Anguille Rivers and Blackfish Bayou, Ark.	134	132
Mississippi River:		
Between Wisconsin River and Illinois River	[2] 1,035	-------
Between Ohio and Illinois Rivers	1,430	1
Between Cairo and Memphis	2,531	36
Between Memphis and Vicksburg	4,804	105
Between Vicksburg and New Orleans	8,655	141
Missouri River:		
Kansas City to mouth	813	-------
Kansas City to Sioux City	169	(3)
Cumberland River, Tenn., and Ky. (below Nashville)	246	22
Cumberland River, Tenn. and Ky. (above Nashville)	475	26
Tennessee River	2,269	53
Monongahela River, Pa. and W. Va.	[2] 27,412	-------
Allegheny River, Pa.	3,693	-------
Youghiogheny River, Pa.	251	-------
Little Kanawha River, W. Va.	133	-------
Kanawha River, W. Va.	1,596	-------
Ohio River, Ohio	20,938	-------
Muskingum River, Ohio	528	-------
Kentucky River, Ky.	145	44
Green and Barren Rivers, Ky.	590	16
INTERIOR RIVERS AND OTHER WATERWAYS		
Fox River, Wis.	311	-------
Grand River, Mich.	324	-------
Niagara River, N. Y.	164	-------
San Joaquin River, Calif.	984	-------
Sacramento River, Calif.	992	-------
Umpqua River, Oreg.	319	204
Coquille River, Oreg.	449	388
Yaquina River, Oreg.	218	136
Columbia River from Vancouver to The Dalles	803	313
Clatskamie River, Oreg.	277	272
Willamette River (above Portland and Yamhill River, Oreg.)	2,064	-------
Cowlitz River, Oreg.	833	791
INTERIOR RIVERS AND OTHER WATERWAYS—continued		
Columbia and Willamette Rivers, Wash. and Oreg.[4]	7,752	5,738
Hoquiam River, Wash.	1,529	1,150
Stillaguamish River, Wash.	200	107
Snohomish River, Wash.	2,243	1,711
Skagit River, Wash.	431	356
Chehalis River, Wash.	621	621
Wishkah River, Wash.	757	636
Pend d'Oreille River, Wash. and Idaho	490	490
Priest River, Idaho	190	190
Coeur d'Alene Lake and St. Joe River, Idaho	483	479
FEDERAL CANALS AND CONNECTING CHANNELS		
Cape Cod Canal, Mass.	1,406	-------
Coney Island Channel, N. Y.	1,023	-------
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md.	700	-------
Waterway from Norfolk, Va., to the sounds of North Carolina	182	69
Inland waterway from Norfolk, Va., to Beaufort Inlet, N. C.	710	36
Waterway between Beaufort, S. C., and St. Johns River, Fla.	400	20
Intracoastal waterway, Jacksonville to Miami, Fla.	[2] 146	121
Channel between Mobile Bay and Mississippi Sound, Ala.	430	-------
Intracoastal waterway, Calcasieu River to Sabine River, La. and Tex.	967	-------
Harvey Canal, La.	139	(3)
Intracoastal waterway, Mississippi River to Bayou Teche, La (Black Bayou)	157	(3)
Sabine-Neches Canal, Tex.:		
Local traffic	22	-------
Traffic in transit	10,310	-------
Keweenaw Waterway, Mich.	1,278	-------
Sturgeon Bay and Lake Michigan Ship Canal, Wis. (through traffic only)	497	-------
St. Marys Falls Canal, Mich.	86,993	-------
Detroit River, Mich.[5]	13,227	-------
Lake Washington Ship Canal, Wash.	[2] 3,094	1,505
Canal and locks at Willamette Falls, Oreg.	212	36
STATE AND PRIVATE CANALS		
New York State Barge Canal System	3,090	-------
Lehigh and Delaware Division Canals, Pa.	330	-------
New Basin Canal, La.	324	-------
Navigation Canal, Inner Harbor, La.	741	-------
Miami Canal, Fla.	132	-------
Chicago Sanitary Drainage Canal, Ill.	214	-------

[1] Included in total.
[2] Excludes car ferry, general ferry, and cargoes in transit.
[3] Less than 500 tons.
[4] Internal traffic only; total traffic, including foreign and coastwise, was 14,718,000 tons.
[5] Excludes traffic through the St. Marys Falls Canal, which also passes through the Detroit River; the total traffic through the Detroit River was 100,220,000 tons.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 472.—SAULT STE. MARIE CANALS: General Traffic Statistics

Note.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges		Valuation of freight (millions of dollars)
	Total	Eastbound	Westbound	By American vessels	By Canadian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14	160
1900	25,043	20,532	5,111	24,806	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	417
1908	41,391	30,381	11,010	38,392	2,999	34,854	23,903	.69	470
1909	57,895	46,379	11,516	54,265	3,630	46,813	36,202	.78	626
1910	62,303	47,134	15,229	58,559	3,794	52,406	38,711	.74	654
1911	53,477	36,429	17,048	49,844	3,633	44,174	29,492	.67	595
1912	72,473	55,378	17,095	68,469	4,004	60,243	40,578	.67	791
1913	79,718	59,206	20,512	74,789	4,929	65,331	44,381	.68	866
1914	55,370	39,471	15,899	50,469	4,901	46,112	27,597	.60	635
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1916	91,888	74,148	17,740	86,174	5,714	75,717	60,845	.80	974
1917	89,814	70,047	19,767	84,685	5,129	73,635	89,277	1.21	1,197
1918	85,680	66,285	19,395	80,958	4,722	70,108	83,508	1.19	987
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	86,742	1.33	1,120
1921	48,259	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,255	53,564	64,154	1.20	957
1923	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,208	1.07	1,000

	1900	1910	1915	1920	1925	1928	1929
Date of opening canal	Apr. 19	Apr. 12	Apr. 13	Apr. 19	Apr. 8	May 1	Apr. 13
Date of closing canal	Dec. 16	Dec. 15	Dec. 20	Dec. 26	Dec. 17	Dec. 16	Dec. 14
Number of vessels passing	19,452	20,899	21,233	18,847	20,650	19,286	19,794
Registered tonnage of vessels passing, 1,000 net tons	22,316	49,856	56,399	58,194	69,240	68,836	68,240
Eastbound, do	11,143	24,725	28,316	29,123	34,653	33,357	34,138
Westbound, do	11,173	25,132	28,083	29,071	34,587	33,479	34,102
Passengers carried, number	58,555	66,933	50,336	68,451	56,956	56,053	54,415
Freight, eastbound							
1,000 short tons	20,532	47,134	56,369	63,464	67,305	70,166	74,840
Flour, 1,000 bbls.	6,755	7,576	8,437	7,478	9,289	9,283	9,164
Wheat, 1,000 bus.	40,489	86,260	255,482	143,456	292,818	406,760	225,422
Other grain, do	16,064	30,243	64,755	51,630	149,927	131,039	68,127
Lumber, 1,000 ft. b. m.	909,651	603,101	456,451	102,854	186,486	187,205	165,435
Iron ore, 1,000 short tons	16,444	41,600	45,212	56,643	53,821	53,225	64,827
Pig iron, do	20	49	18	1	28	118	151
Stone, do	49	10	----------	67	24	67	71
Copper, do	131	148	156	52	63	86	64
General merchandise, do	86	173	332	56	107	136	187
Freight, westbound							
1,000 short tons	5,111	15,229	14,921	15,818	14,570	16,827	17,782
Coal, do	4,487	13,514	13,357	14,156	12,874	14,870	15,832
Salt, do	49	78	105	99	58	61	47
Oil, do	----------	----------	----------	353	223	321	397
Stone, do	----------	----------	----------	496	643	551	515
Iron ore, do	----------	3	2	138	53	96	91
Manufactured iron and steel, 1,000 short tons	116	396	194	76	119	186	160
General merchandise, do	459	1,238	1,263	500	600	732	740

Source: Annual Report of the Chief of Engineers, United States Army.

No. 473.—NEW YORK STATE CANALS: TONNAGE OF FREIGHT MOVED

NOTE.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division		
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837–1840	1,339,016	771,741	1906–1910	3,238,129	2,206,595			
1841–1845	1,613,317	884,522	1911–1915	2,448,337	1,626,451			
1846–1850	2,781,410	1,556,696	1916–1920	1,348,365	798,706			
1851–1855	3,976,501	2,141,476	1921–1925	1,905,291	1,548,408	630,453	333,250	191,406
1856–1860	3,911,407	1,889,759	1920	1,421,434	891,221	112,821	327,633	64,174
1861–1865	5,049,341	2,743,929	1921	1,270,407	993,639	356,985	247,653	103,400
1866–1870	5,987,724	3,018,359	1922	1,873,434	1,485,109	550,831	337,656	164,176
1871–1875	5,974,097	3,326,073	1923	2,006,284	1,626,062	629,763	375,964	190,101
1876–1880	5,219,888	3,542,020	1924	2,032,317	1,691,766	608,246	365,266	237,018
1881–1885	5,210,389	3,495,590	1925	2,344,013	1,945,466	916,441	339,713	262,381
1886–1890	5,281,441	3,589,631	1926	2,369,367	1,935,278	795,598	287,189	263,202
1891–1895	4,112,061	2,962,528	1927	2,581,892	2,047,774	791,037	325,076	327,016
1896–1900	3,544,951	2,446,065	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1901–1905	3,335,210	2,144,492	1929	2,876,160	2,422,204	810,385	229,047	308,831

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 474.—PRINCIPAL COMMODITIES CARRIED ON THE OHIO RIVER

NOTE.—In short tons of 2,000 pounds. Ferry traffic is excluded. Totals include small items not shown.

Commodity	Total			1928			
	1926	1927	1928	Inbound	Outbound	Upbound	Downbound
Total	19,754,978	20,128,518	20,938,267	8,058,677	3,632,837	2,541,599	6,705,154
Animals and animal products	15,098	32,746	14,015	5,915	436	7,146	518
Livestock	6,407	24,722	7,675	4,176	290	3,141	68
Poultry and eggs	6,661	6,557	3,638	195		3,404	39
Hides and leather	168	149	175			57	118
Dairy products	786	727	483	203	146	7	37
Vegetable products	57,479	40,520	39,670	1,408	11,906	17,816	8,540
Groceries	13,313	7,421	10,312	485	4,310	4,118	1,399
Sugar and molasses	919	739	631	92	469		70
Grains	31,080	22,078	15,904	31	1,078	9,594	5,201
Flour	2,834	2,233	2,181	2	1,589	385	205
Hay, feed, straw	4,781	2,902	2,576	104	1,053	63	1,356
Vegetables	491	1,908	3,001		1,766	1,217	18
Textiles	3,316	1,502	383	9	12	657	205
Dry goods	2,905	1,485	871		12	654	205
Wood and paper	397,634	474,045	396,169	334,485	2,357	27,582	31,745
Furniture	2,805	2,284	1,873	15	285	1,402	171
Logs and lumber	142,048	77,171	107,168	54,613	1,277	21,772	29,506
Railroad ties of wood	252,731	394,590	287,041	279,857	795	4,321	2,008
Minerals, nonmetallic	18,516,099	18,357,676	18,899,242	7,018,322	3,112,376	2,427,815	6,340,729
Cement	29,980	48,540	85,025	15,030	3,647	49,358	16,990
Sand and gravel	8,997,515	9,187,007	8,521,531	66,565	2,520,701	1,676,945	4,248,320
Stone	430,073	386,862	425,555	51,420	54,750	200,003	23,382
Coal	8,355,478	8,141,217	8,511,185	5,873,332	435,320	234,452	1,967,581
Coke	358,229	376,497	649,581	642,702	6,879		
Fluorspar	2,300	6,643	30,744	3,468	1,842	25,334	100
Crude oil	236,522	104,262	213,664	50,590	105	148,173	14,796
Gasoline and kerosene	72,236	94,580	107,033	79,791	10,723	582	15,937
Other refined oils	9,197	6,755	1,903		1,637	30	227
Ores, metals, etc	538,085	981,999	1,346,584	621,634	474,349	11,327	239,274
Iron and steel, unmfd	210,960	462,070	650,287	182,640	385,332	806	81,509
Iron and steel, mfd	327,125	519,929	696,297	438,994	89,017	10,521	157,765
Machinery and vehicles	44,953	62,052	66,631	4,422	15,484	3,606	43,119
Machinery	6,996	3,380	12,711	3,596	2,007	1,742	4,366
Boats and barges	37,377	57,822	51,553	826	12,258	613	37,856
Automobiles and trucks	580	850	2,367		219	1,251	897
Chemicals	23,826	33,178	39,390	34,099	547	2,048	2,696
Acids, sulphuric	20,758	29,459	32,688	31,730		895	63
Fertilizers	3,068	2,744	3,191		547	1,153	1,491
Unclassified	158,488	144,800	135,683	38,383	15,370	43,602	38,328

Source: Annual Report of the Chief of Engineers, United States Army.

No. 475.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1928 the tons of freight carried on ferries were reported as 1,903,355 but the hauls, of course, are very short. The passenger traffic other than on ferries for 1928 was: Passengers, 1,990,143; passenger miles, 27,488,894. Leaders indicate data not available

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	1,000 short tons	*Thousands*	*1,000 dollars*		*1,000 short tons*	*Thousands*	*1,000 dollars*
1916	6,045	598,383	38,774	1927—Total	20,129	1,214,491	168,423
1917	4,599	378,491	70,510	Up	1,854	----------	23,524
1918	6,171	315,504	77,685	Down	7,569	----------	49,446
1919	5,004	604,751	88,912	Inbound	7,439	----------	74,649
1920	9,382	1,183,015	223,443	Outbound	3,266	----------	20,804
1921	7,308	844,895	93,275				
1922	6,292	807,793	144,796	1928—Total	20,938	1,344,887	191,519
1923	8,281	----------	110,022	Up	2,542	----------	27,294
1924	10,867	----------	128,356	Down	6,705	----------	44,769
1925	15,737	825,497	151,022	Inbound	8,059	----------	82,618
1926	19,755	----------	150,086	Outbound	3,633	----------	36,839

No. 476.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—**In short tons of 2,000 pounds.** Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Illinois Rivers" for 1922 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included

Year	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound to	Down-bound from
1922	202,446	345,668	369,194	554,192	801,841	639,207	2,177,686	3,366,820	1,442,595	2,405,092
1923	263,729	459,339	395,828	652,494	724,953	727,884	1,583,880	3,909,417	746,381	2,614,074
1924	300,009	438,719	528,431	624,590	917,475	748,965	1,589,202	6,044,075	766,463	3,872,316
1925	420,246	583,323	651,002	1,037,652	1,391,234	1,821,025	1,303,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,462,325	8,612,103	529,590	6,116,517
1927	448,459	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,080,393	354,117	4,447,025
1928	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,680,541	6,974,085	379,942	4,601,718

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1927	1928	1927	1928	1927	1928	1927	1928
Upbound	448,459	474,173	839,721	855,631	1,371,134	1,856,842	1,727,352	1,680,541
Coffee, cocoa, and spices	7,636	17,970	12,372	21,485	15,174	26,415	16,557	27,280
Sugar	116,761	67,612	282,513	193,227	367,115	273,085	381,443	285,093
Sisal and hemp	5,521	31,203	15,627	37,025	15,627	37,054	15,627	37,054
Burlap and bagging	1,711	8,801	----------	9,842	----------	13,734	----------	13,734
Logs, barged	30,895	41,278	150,230	91,822	109,511	224,721	72,173	32,967
Petroleum and products	185	9,859	8,069	5,442	203,906	221,918	753,496	649,463
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	354,117	379,942
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	186,313	202,816
Gravel and sand	27	----------	30,023	78,941	215,916	199,963	16,660	100
Cement	24	84	3	2	1,576	2,488	755	1,075
Bauxite ore	132,317	171,815	244,944	343,958	244,944	343,958	244,944	343,958
Sulphur	187	267	14,857	1,904	14,857	1,904	14,857	1,904
All other	153,195	125,284	81,083	71,983	182,508	511,602	210,820	287,313
Downbound	659,743	956,010	1,304,599	1,675,625	2,986,963	2,946,998	7,059,393	6,974,085
Wheat	154,719	99,441	158,555	100,102	158,587	100,134	158,555	100,102
Corn	7,870	39,535	8,003	72,497	8,183	72,484	8,263	72,499
Tobacco	243	----------	1,157	1,147	26,024	23,111	26,000	23,129
Cotton, raw	----------	----------	1,379	310	49,169	67,906	59,146	84,428
Logs, barged	6,623	27,855	196,502	197,929	143,475	240,866	128,724	128,618
Logs, rafted or floated			16,100	36,000	81,942	105,166	81,188	141,037
Coal and coke	6,358	23,826	144,811	148,451	81,492	106,071	5,728	115,532
Petroleum and products	4,065	11,437	240	194	1,803,310	998,231	6,244,073	5,774,326
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	1,796,359	992,129
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	4,447,025	4,601,718
Stone	204,603	341,364	48,294	111,141	26,567	155,590	600	1,200
Gravel and sand	3,027	19,617	233,745	405,591	204,108	313,237	1,235	83,256
Bauxite ore concentrates	11,510	5,940	17,582	12,958	17,582	12,958	17,582	12,958
Iron and steel manufactures	23,478	30,966	286,774	280,960	123,329	129,843	118,671	126,166
All other	237,247	356,029	191,367	308,345	263,195	621,401	239,628	310,846

Source of Tables 475 and 476: Annual Reports of the Chief of Engineers, United States Army.

No. 477.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 431. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All Other[1]	Total	Steam and motor	All Other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789[2]	-------	-------	-------	202	-------	202	124	69	-------	9
1800[2]	-------	-------	-------	972	-------	972	667	272	3	29
1810[2]	-------	-------	-------	1,425	-------	1,425	981	405	4	35
1820[2,3]	-------	-------	-------	1,280	-------	1,280	584	658	36	72
1830[2,3]	-------	-------	-------	1,192	64	1,127	538	517	40	98
1840[4]	-------	-------	-------	2,181	202	1,978	763	1,177	137	104
1850	-------	-------	-------	3,535	526	3,010	1,440	1,708	146	152
1860	-------	-------	-------	5,354	868	4,486	2,379	2,645	167	163
1870	28,998	3,524	25,474	4,247	1,075	3,171	1,449	2,638	68	91
1880	24,712	4,717	19,995	4,068	1,212	2,856	1,314	2,638	38	78
1890	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1917	26,397	16,242	10,155	8,871	6,433	2,438	2,441	6,393	6	32
1918	26,711	16,658	10,053	9,925	7,471	2,453	3,599	6,282	4	38
1919	27,513	17,651	9,862	12,907	10,416	2,492	6,665	6,201	4	36
1920	28,183	18,814	9,369	16,324	13,823	2,501	9,925	6,358	4	38
1921	28,012	19,071	8,941	18,282	15,745	2,537	11,077	7,163	4	37
1922	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924	26,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926	26,343	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39

Classes	Number					Thousands of gross tons				
	1900	1910	1920	1925	1929	1900	1910	1920	1925	1929
By utilization:										
Registered—										
Foreign trade	1,288	1,490	5,932	4,695	4,365	817	783	9,925	8,151	6,906
Whale fisheries	42	30	26	19	14	10	9	4	4	7
Enrolled—										
Coasting and internal trade	13,241	13,654	12,181	12,586	12,302	4,196	6,555	6,233	9,097	9,411
Cod and mackerel fisheries	545	395	196	185	233	44	39	32	29	32
Licensed—										
Coasting and internal trade	7,327	9,328	9,463	8,599	8,043	91	114	124	119	115
Cod and mackerel fisheries	890	837	385	283	279	8	8	6	6	6
By location:										
Atlantic and Gulf[5]	16,532	17,084	16,850	15,723	14,414	2,728	3,523	9,739	11,108	10,262
Pacific[6]	2,217	3,574	6,512	6,035	6,396	613	937	3,326	3,282	3,264
Northern lakes	3,167	3,273	3,091	2,677	2,513	1,566	2,895	3,139	2,853	2,771
Western rivers	1,417	1,809	1,730	1,932	2,003	258	154	120	162	179
By power:										
Sail	13,271	8,947	4,030	2,533	1,711	1,885	1,655	1,272	1,125	825
Steam[7]	7,053	12,452	8,103	7,454	6,400	2,658	4,900	13,466	14,495	13,301
Motor[7]	-------	-------	10,711	11,183	11,919	-------	-------	357	481	861
Canal boats	647	674	448	342	263	73	74	52	40	32
Barges	2,362	3,667	4,891	4,855	5,043	549	878	1,177	1,264	1,457
By material:										
Wood	22,103	23,527	23,781	21,384	20,255	3,572	3,391	3,876	2,907	2,507
Metal	1,225	2,213	4,402	4,983	5,071	1,593	4,117	12,448	14,499	13,910

[1] Sailing vessels, canal boats, and barges. [2] Dec. 31.

[3] The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.

[4] Sept. 30.

[5] Including Porto Rico in 1910, 1920, 1925, and 1929, and also Virgin Islands in 1920, 1925, and 1929.

[6] Including Hawaii and Alaska. [7] Motor vessels included in steam in 1900 and 1910.

Source: Reports of the Commissioner of Navigation.

No. 478.—UNITED STATES MERCHANT MARINE: LARGER SEAGOING VESSELS, BY CLASSES AND SIZE, AS OF JULY 1

NOTE.—For definition of "gross ton" see general note, p. 431. The number and tonnage reached their maximum in 1921

	Number					Thousands of gross tons				
	1921	1924	1927	1928	1929	1921	1924	1927	1928	1929
Vessels of 500 gross tons or over, total	3,723	3,322	2,836	2,695	2,581	13,234	12,535	11,376	11,164	10,978
Private ownership	1,925	1,983	1,957	1,934	1,953	5,241	6,245	6,836	7,054	7,662
Shipping Board [1]	1,798	1,339	879	761	628	7,994	6,290	4,540	4,110	3,316
Steam and gas	2,888	2,574	2,218	2,139	2,082	12,216	11,575	10,572	10,532	10,316
Sailing and unrigged	835	748	618	556	499	1,019	960	804	632	662
Foreign trade	2,559	1,885	1,305	1,201	1,230	10,621	8,415	6,291	6,102	6,571
Coasting trade	1,164	1,437	1,531	1,494	1,351	2,614	4,120	5,085	5,002	4,407
Steel	2,549	2,469	2,195	2,122	2,061	11,441	11,387	10,597	10,461	10,334
Wood	1,174	853	641	573	520	1,793	1,148	779	703	644
Power vessels of 1,000 gross tons and over, total	2,752	2,461	2,116	2,037	1,985	12,116	11,490	10,496	10,358	10,243
Steel	2,387	2,310	2,055	1,982	1,931	11,210	11,147	10,389	10,259	10,146
Wood	365	151	61	55	54	906	344	107	99	98
Passenger	238	197	198	202	201	1,271	1,214	1,270	1,317	1,323
Freight	2,145	1,853	1,532	1,447	1,403	8,620	7,817	6,869	6,699	6,542
Tank	351	396	372	374	367	2,124	2,377	2,282	2,297	2,303
Refrigerator	18	15	14	14	14	101	83	75	75	75
Steam engine	2,697	2,395	2,042	1,951	1,883	11,984	11,315	10,234	10,024	9,807
Oil burning	1,595	1,692	1,632	1,613	1,575	8,240	8,889	8,650	8,647	8,531
Coal burning	1,102	703	410	338	308	3,744	2,426	1,584	1,377	1,276
Oil engine (internal-combustion)	55	[1] 66	[2] 74	[1] 86	[2] 102	132	175	262	334	436
Size—gross tons:										
1,000 to 1,999	151	165	125	116	113	234	265	185	174	170
2,000 to 2,999	879	630	425	357	330	2,209	1,588	1,102	949	889
3,000 to 3,999	362	306	230	227	211	1,232	1,053	762	751	693
4,000 to 4,999	199	230	215	213	210	922	1,074	1,005	996	983
5,000 to 5,999	558	503	505	508	502	3,110	2,824	2,806	2,823	2,788
6,000 to 6,999	337	350	345	341	336	2,149	2,220	2,207	2,177	2,146
7,000 to 7,999	158	153	145	145	144	1,164	1,133	1,066	1,067	1,059
8,000 to 8,999	54	58	57	59	48	451	485	477	494	707
9,000 to 9,999	10	23	27	26	25	96	220	250	249	239
10,000 and over	44	43	42	45	66	548	629	627	678	570

[1] One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.
[2] Includes 9 vessels of 25,819 gross tons propelled by electrically-driven screws.

No. 479.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: YEARS ENDED JUNE 30

Yearly average or year	Number	Gross tons	Year	Number	Gross tons
1797–1800		72,574	1911	1,422	291,162
1801–1810		[1] 102,452	1912	1,505	232,669
1811–1820		89,797	1913	1,475	346,155
1821–1830	790	89,372	1914	1,151	316,250
1831–1840	924	118,960	1915	1,157	225,122
1841–1850	1,195	185,309	1916	937	325,413
1851–1860	1,466	366,603	1917	1,297	664,479
1861–1870	1,654	299,602	1918	1,528	1,300,868
1871–1880	1,455	253,800	1919	1,953	3,326,621
1881–1890	1,056	230,197	1920	2,067	3,880,639
1891–1900	1,055	235,699	1921	1,361	2,265,115
1901–1910	1,311	418,178	1922	845	661,232
1911–1920	1,449	1,090,938	1923	770	335,630
1921–1925	998	737,158	1924	1,049	223,968
1906	1,221	418,745	1925	997	199,846
1907	1,157	471,332	1926	924	224,673
1908	1,457	614,216	1927	917	245,144
1909	1,247	238,090	1928	969	257,180
1910	1,361	342,068	1929	898	128,976

[1] Nine-year average, there being no record of the tonnage for 1802.

Source of Tables 478 and 479: Reports of the Commissioner of Navigation.

No. 480.—VESSELS BUILT IN UNITED STATES: BY CLASSES AND REGIONS

NOTE.—For definition of "gross ton" see general note p. 431. Data are for years ended June 30

Class and where built	1901–1910, average	1911–1915, average	1916–1920, average	1921–1925, average	1926	1927	1928	1929
BUILT AND DOCUMENTED IN THE UNITED STATES								
Total.....number	1,311	1,342	1,556	998	924	917	969	806
Gross tons	418,178	282,272	1,899,804	737,190	224,673	245,144	257,180	128,976
Sailing.....number	300	70	82	38	11	8	5	13
Gross tons	59,857	16,339	70,599	27,685	263	326	230	797
Steam and gas...number	631	911	1,111	697	645	661	675	570
Gross tons	287,593	200,669	1,734,296	639,341	140,586	181,504	172,901	75,725
Canal boats.....number	46	36	19	9	7	10	1	5
Gross tons	5,022	4,099	2,613	1,043	1,508	2,147	140	967
Barges.....number	284	325	344	254	261	238	288	220
Gross tons	65,705	61,164	92,096	69,121	82,316	61,167	83,909	51,487
Metal.....gross tons	270,852	181,166	1,511,043	631,109	132,646	179,756	201,437	78,121
Wood.....do	147,326	101,106	388,561	106,081	92,027	65,388	55,743	50,855
Gross tons built on:								
New England coast	59,491	21,474	112,835	45,913	4,995	6,574	11,434	12,706
Middle Atlantic and Gulf coasts	130,226	149,941	833,438	442,721	131,994	124,068	146,532	71,750
Pacific coast	34,482	34,439	687,076	174,926	22,669	45,565	23,715	20,253
Northern lakes	184,724	69,794	260,138	58,317	55,169	52,746	50,478	13,701
Western rivers	9,256	6,623	6,117	15,313	9,846	16,191	25,021	10,506

BUILT FOR FOREIGNERS[1]

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1926	1927	1928	1929
Number	2	5	36	41	22	59	23	33	10	4	7	9	12	12
Gross tons	414	275	2,949	124,560	48,531	121,098	39,507	65,938	55,991	17,408	272	610	1,228	1,209

[1] None were built for foreigners in 1924 and 1925.

Source: Reports of the Commissioner of Navigation.

No. 481.—MERCHANT VESSELS LAUNCHED: WORLD TOTAL AND UNITED STATES

NOTE.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 431. Vessels under construction Dec. 31, 1929, numbered 798 of 3,110,880 gross tons

Calendar year	World				United States	
	Total		Steam and motor			
	Number	Gross tons	Number	Gross tons	Number	Gross tons
1910–1914, average	1,533	2,739,079	1,180	2,631,779	162	252,664
1915–1920, average [1]	1,488	4,046,860	1,206	3,918,746	518	1,877,382
1921–1925, average	942	2,578,620	830	2,531,592	99	313,321
1919 [2]	2,483	7,144,549	2,095	6,788,632	1,051	4,075,385
1920	1,759	5,861,666	1,563	5,742,984	509	2,476,253
1921	1,377	4,341,679	1,205	4,274,375	173	1,066,413
1922	851	2,467,084	745	2,425,729	59	119,138
1923	701	1,643,181	620	1,614,790	83	172,817
1924	924	2,247,751	838	2,200,741	79	139,463
1925	855	2,193,404	742	2,142,325	101	128,776
1926	600	1,674,977	525	1,630,134	78	150,613
1927	802	2,285,679	734	2,239,522	66	179,218
1928	869	2,699,239	809	2,660,321	63	91,357
1929	1,012	2,793,210	981	2,774,191	63	126,063

[1] Figures during the war period are shown only for allied and neutral countries.

[2] Figures for Germany are omitted because complete totals for that country are not available.

Source: Lloyd's Register of Shipping.

No. 482.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 431

Year	World total	United States	Year	World total	United States	Year	World total	United States
	1,000 tons	*1,000 tons*		*1,000 tons*	*1,000 tons*		*1,000 tons*	*1,000 tons*
1895	25,086	2,165	1920	57,314	16,049	1925	64,641	15,377
1900	28,957	2,750	1921	61,975	17,026	1926	64,784	14,879
1905	35,998	3,906	1922	64,371	17,062	1927	65,193	14,670
1910	41,913	5,059	1923	65,166	16,945	1928	66,955	14,623
1915	49,262	5,893	1924	64,024	15,957	1929	68,074	14,482

	Number					Thousands of tons (see headnote)					
	1900	1910	1920	1925	1929	1900	1910	1914	1920	1925	1929
World total	28,422	30,058	31,595	32,916	32,482	29,044	41,915	49,090	57,314	64,641	68,074
Steam and motor	15,898	22,008	26,513	29,205	29,612	22,369	37,291	45,404	53,905	62,380	66,407
Steel and iron	14,548	20,403	23,382	26,468	27,191	21,915	36,769	44,934	51,661	61,317	65,654
Wood and composite	1,350	1,605	3,131	2,737	2,421	454	521	470	2,244	1,063	754
Sailing	12,524	8,050	5,082	3,711	2,870	6,674	4,624	3,686	3,409	2,261	1,667
Steel and iron	2,468	2,115	1,314	919	759	2,992	2,508	2,095	1,524	954	678
Wood and composite	10,056	5,935	3,768	2,792	2,111	3,683	2,116	1,590	1,885	1,307	989
United States	3,135	3,469	5,457	4,882	4,388	2,750	5,059	5,368	16,049	15,377	14,482
Steam and motor	932	1,712	4,110	3,921	3,635	1,455	3,827	4,330	14,574	14,272	13,592
Steel and iron	638	1,270	3,242	3,349	3,105	1,267	3,602	4,120	13,341	13,882	13,291
Wood and composite	294	442	868	572	530	188	226	210	1,234	391	300
Sailing	2,203	1,757	1,347	961	748	1,295	1,232	1,038	1,475	1,105	890
Steel and iron	93	139	154	155	148	180	245	236	304	323	293
Wood and composite	2,110	1,618	1,193	806	600	1,116	987	803	1,171	782	597

No. 483.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1914	$14,619	----------	$14,619	$106,031	[1] *$151,412*	$690,298	$695,721	[1] *$5,422*
1915	4,343,384	----------	4,343,384	4,123,128	220,256	2,135,075	2,191,476	[1] *56,401*
1916	2,399,830	$158,712	2,558,542	6,999,750	[1] *4,441,208*	6,488,522	6,476,623	11,898
1917	5,631,782	176,617	5,808,399	6,788,048	[1] *979,649*	7,579,588	7,540,161	39,428
1918	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919	6,156,119	197,898	6,354,017	6,112,195	241,822	13,684,881	13,623,854	61,027
1920	8,493,083	442,789	8,935,872	6,548,272	2,387,599	14,705,372	14,465,686	239,686
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total [2]	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,979,538	860,587
Adjusted status to 1921 [2]	44,565,501	1,420,566	45,986,067	45,986,067	----------	71,459,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,223	7,423,968	323,259
1923	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,153	901,624
1925	21,374,604	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,198	765,917
1926	22,927,456	217,680	23,145,137	7,993,468	15,151,668	15,874,478	15,033,168	841,310
1927	24,217,185	391,624	24,608,809	8,997,715	15,611,094	15,878,655	15,002,118	876,537
1928	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,920,247	16,192,528	736,719
1929	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,236,785	16,498,935	737,850
Grand total	220,142,471	3,482,421	223,624,892	113,665,996	109,958,896	183,531,838	176,107,669	7,424,169

[1] Deficit.

[2] To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations"; therefore the $480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column $379,862, which is added to "Business expenses." To "Business revenues," and to "Surplus from business operations," is also added $619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

Sources: Table 482, Lloyd's Register; Table 483, Report of the Governor of the Panama Canal.

No. 484.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: BY NATIONALITY OF VESSEL

NOTE.—See general note, p. 431. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915–1929, total	58, 246	233, 974	220, 435	245, 949
1915	1, 075	3, 793	4, 368	4, 888
1916	758	2, 396	2, 408	3, 094
1917	1, 803	5, 799	5, 627	7, 059
1918	2, 069	6, 574	6, 430	7, 532
1919	2, 024	6, 125	6, 173	6, 917
1920	2, 478	8, 546	8, 514	9, 374
1921	2, 892	11, 416	11, 277	11, 599
1922	2, 736	11, 417	11, 198	10, 885
1923	3, 967	18, 606	17, 508	19, 568
1924	5, 230	26, 149	24, 291	26, 995
1925	4, 673	22, 855	21, 401	23, 959
1926	5, 197	24, 775	22, 931	26, 037
1927	5, 475	26, 228	24, 229	27, 748
1928	6, 456	29, 459	26, 944	29, 631
1929	6, 413	29, 838	27, 127	30, 663
United States:				
1915–1929, total	23, 698	113, 024	105, 080	122, 098
1915	459	1, 700	2, 003	2, 188
1916	213	653	724	849
1917	404	1, 239	1, 238	1, 476
1918	567	1, 704	1, 714	2, 008
1919	784	2, 257	2, 327	2, 759
1920	1, 129	3, 791	3, 806	4, 547
1921	1, 210	4, 862	4, 785	5, 163
1922	1, 095	4, 972	4, 867	4, 951
1923	1, 994	10, 209	9, 474	11, 055
1924	2, 947	15, 807	14, 483	16, 654
1925	2, 326	12, 271	11, 302	13, 080
1926	2, 432	12, 565	11, 540	13, 711
1927	2, 685	13, 915	12, 720	15, 242
1928	2, 753	13, 753	12, 046	14, 249
1929	2, 700	13, 326	12, 300	14, 076
British:				
1915–1929, total	15, 512	69, 327	65, 965	68, 048
1928	1, 842	8, 977	8, 074	8, 075
1929	1, 783	8, 995	8, 025	8, 331
Norwegian:				
1915–1929, total	2, 713	9, 671	8, 827	11, 070
1928	313	1, 181	1, 052	1, 268
1929	340	1, 280	1, 123	1, 505
Japanese:				
1915–1929, total	1, 831	8, 523	8, 997	10, 599
1928	188	909	949	1, 041
1929	155	775	810	980
Chilean:				
1915–1929, total	805	2, 481	2, 199	1, 446
1928	32	125	119	82
1929	31	131	137	99
Danish:				
1915–1929, total	837	3, 089	2, 949	4, 119
1928	69	285	272	380
1929	101	417	379	518
Dutch:				
1915–1929, total	1, 105	5, 337	4, 879	5, 529
1928	137	644	561	637
1929	149	691	596	696
Peruvian:				
1915–1929, total	913	2, 326	1, 787	1, 467
1928	53	140	108	96
1929	48	109	77	70
French:				
1915–1929, total	1, 016	4, 118	4, 222	4, 080
1928	127	581	577	600
1929	115	535	533	531
Swedish:				
1915–1929, total	744	3, 033	2, 559	4, 340
1928	111	480	397	705
1929	144	619	520	846
Spanish:				
1917–1929, total	371	1, 216	1, 173	854
1928	46	157	151	105
1929	32	118	117	95
Italian:				
1915–1929, total	574	2, 627	2, 638	2, 015
1928	118	581	568	499
1929	83	492	447	334
German:				
1920–1929, total	1, 569	5, 870	5, 291	6, 679
1928	316	996	893	1, 185
1929	402	1, 405	1, 222	1, 482
Miscellaneous:				
1915–1929, total	1, 558	3, 333	3, 018	3, 599
1928	351	649	579	708
1929	330	947	842	1, 099

No. 485.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: BY DIRECTION

NOTE.—A to P=Atlantic to Pacific; P to A=Pacific to Atlantic. See also general note, p. 431

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons [1]	Thousands of cargo tons		
				Total	A to P	P to A
1915	1, 075	5, 417	3, 793	4, 888	2, 071	2, 817
1916	758	3, 597	2, 396	3, 094	1, 369	1, 725
1917	1, 803	8, 531	5, 799	7, 059	2, 929	4, 129
1918	2, 069	9, 371	6, 574	7, 532	2, 639	4, 893
1919	2, 024	7, 877	6, 125	6, 917	2, 740	4, 176
1920	2, 478	11, 060	8, 546	9, 374	4, 093	5, 282
1921	2, 892	14, 522	11, 416	11, 599	5, 892	5, 707
1922	2, 736	14, 361	11, 417	10, 885	5, 496	5, 389
1923	3, 967	23, 633	18, 606	19, 568	7, 086	12, 482
1924	5, 230	33, 412	26, 149	26, 995	7, 860	19, 135
1925	4, 673	29, 148	22, 855	23, 959	7, 398	16, 560
1926	5, 197	31, 673	24, 775	26, 037	8, 037	18, 000
1927	5, 475	33, 556	26, 228	27, 748	8, 583	19, 165
1928	6, 456	37, 203	29, 459	29, 631	8, 310	21, 321
1929	6, 413	37, 465	29, 838	30, 663	9, 883	20, 780

[1] Panama Canal measurement.

Source of Tables 484 and 485: Report of the Governor of the Panama Canal.

No. 486.—CARGO TONNAGE THROUGH PANAMA CANAL: BY ORIGIN AND DESTINATION, YEARS ENDED DECEMBER 31

[In thousands of cargo tons of 2,240 pounds]

Origin and destination	Atlantic to Pacific			Origin and destination	Pacific to Atlantic		
	1927	1928	1929		1927	1928	1929
Grand total	8,406	9,066	10,166	Grand total	20,697	20,336	21,284
To W. coast United States[1]	3,505	3,008	4,434	To E. coast United States	11,797	10,745	12,079
To W. coast other N. America	560	500	589	To E. coast other N. America	1,850	1,224	1,076
To W. coast S. America	1,105	1,234	1,578	To Europe	6,609	8,188	7,963
To Asia	1,742	2,051	2,098	To Africa and S. America	441	179	166
To Australasia	1,434	1,303	1,468	From W. coast United States, total[1]	12,434	10,118	11,009
From E. coast United States, total	5,629	6,009	6,609	To E. coast United States	8,137	6,873	7,545
To W. coast United States[1]	2,780	2,904	3,467	To E. coast other N. America	1,023	493	217
To W. coast other N. America	90	77	86	To Europe	2,969	2,701	3,193
To W. coast S. America	365	366	427	To Africa and S. America	255	47	55
To Asia	1,634	2,013	2,014	From W. coast other N. America, total	1,998	3,265	2,366
To Australasia	761	558	615	To E. coast N. America	715	602	586
From E. coast other N. America, total	585	619	772	To Europe	1,260	2,629	1,765
To W. coast N. America	231	294	328	To Africa and S. America	23	34	15
To W. coast S. America	91	97	179	From W. coast S. America, total	5,139	5,686	6,237
To Asia	87	41	54	To E. coast United States	2,534	2,859	3,260
To Australasia	176	186	210	To E. coast other N. America	562	451	524
From Europe, total	2,008	2,282	2,596	To Europe	1,880	2,258	2,358
To W. coast N. America	801	933	1,024	To Africa and S. America	164	98	95
To W. coast S. America	699	764	940	From Asia and Australasia, total	1,126	1,286	1,671
To Asia and Australasia	508	585	632	To E. coast N. America	626	685	1,024
From E. coast S. America and Africa, total	183	156	189	To Europe	500	601	646
				To E. coast S. America			2

[1] Including Hawaii.

No. 487.—LIVES LOST BY ACCIDENT ON VESSELS SUBJECT TO UNITED STATES STEAMBOAT INSPECTION SERVICE: YEARS ENDED JUNE 30

Cause	1923	1924	1925	1926	1927	1928	1929		
							Total	Passengers	Crew
Total	247	297	310	368	282	275	341	86	255
Fire	7	8	31	8	6	17	7	2	5
Collision	20	9	3	4	8	19	9		9
Grounding		4	1		1	2	1		1
Wreck		22		11	1		1		1
Explosion, escape of steam, etc	10	10	9	97	13	8	18		18
Foundered in storm	5	38	43	4	12	7	24		24
Sinking	14	19	8	52	22	28	5		5
Accidental drowning	94	107	100	89	104	100	111	19	92
Suicide	39	31	36	36	34	30	34	27	7
Miscellaneous	58	49	39	67	61	64	131	38	93

No. 488.—UNITED STATES COAST GUARD: YEARS ENDED JUNE 30

Item	1928	1929	Item	1928	1929
Lives saved or persons rescued from peril	3,983	4,375	Instances of miscellaneous assistance	3,584	4,867
Persons on board vessels assisted	17,383	18,725	Derelicts and other obstructions to navigation removed or destroyed	167	267
Persons in distress cared for	690	879	Value of vessels assisted (including cargoes)	$39,479,729	$49,126,375
Vessels boarded and papers examined	65,710	80,263	Total expended and obligated for the Coast Guard	$27,854,307	$28,047,253
Vessels seized or reported for violations of law	1,554	2,571	Persons examined for certificates as life-boat men	4,261	4,271
Fines and penalties incurred by vessels reported	$279,510	$424,725	Regattas and marine parades patrolled	84	104
Instances of lives saved and vessels assisted	3,262	4,410			

Sources: Table 486, Panama Canal Record; Table 487, Steamboat Inspection Service, Department of Commerce; Table 488, Annual Reports of the Secretary of the Treasury.

No. 489.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

NOTE.—The table covers all disasters involving damage or loss amounting to $300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal Zone, are not included in the table; data for 1929 are as follows: *Vessels involved, 18; tonnage, 58,891;* property loss, $314,500; persons on board, 476; no loss of life

Yearly average or year	Number of vessels		Vessel capacity—1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passengers	Crews	
Total:									
1905–1910	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911–1915	296	952	126	1,496	9,551	2,341	17,389	22,295	288
1916–1920	322	678	192	1,487	39,440	13,803	9,889	19,733	661
1921–1925	253	665	113	1,808	18,794	4,374	10,207	19,859	189
1923	273	707	117	1,941	17,203	3,711	14,144	21,198	116
1924	237	708	96	1,917	14,201	3,803	8,861	20,255	202
1925	255	725	96	1,986	15,177	4,114	11,958	22,771	196
1926	254	728	94	2,015	15,597	4,324	12,331	21,970	236
1927	300	933	118	2,788	18,704	5,315	10,493	27,035	222
1928	273	769	107	2,286	16,570	4,135	14,856	23,482	166
1929	283	819	204	2,229	16,243	4,342	12,721	23,217	162
Atlantic, Gulf, and Pacific coasts of the United States:									
1921–1925	148	370	58	802	8,856	1,895	5,996	9,908	98
1926	103	421	59	1,018	10,364	2,055	8,244	12,236	145
1927	175	510	63	1,303	10,240	1,627	5,629	13,602	125
1928	170	456	52	1,176	8,185	1,786	6,652	12,237	73
1929	172	488	63	1,302	8,812	2,491	7,737	13,725	73
Great Lakes:									
1921–1925	20	92	11	357	1,894	192	1,491	2,586	25
1926	18	73	4	216	1,366	120	1,513	1,792	17
1927	20	109	17	409	2,823	197	927	3,286	5
1928	18	118	13	435	3,053	27	2,695	2,965	31
1929	26	77	14	248	2,051	100	1,686	2,006	7
Rivers of the United States:									
1921–1925	45	86	7	160	1,815	127	820	1,881	12
1926	49	108	4	260	1,542	33	1,422	2,873	8
1927	68	136	7	314	1,994	158	1,152	3,217	24
1928	54	74	9	151	1,581	220	2,088	1,860	11
1929	49	112	4	195	1,437	94	1,608	2,073	7
At sea and on the coasts of foreign countries:									
1921–1925	39	118	36	490	6,230	2,161	1,900	5,484	55
1926	24	126	27	521	2,325	2,116	1,152	5,069	66
1927	37	178	31	761	3,647	3,333	2,785	7,530	68
1928	31	121	32	523	3,751	2,102	3,421	6,420	51
1929	36	142	123	483	3,944	1,057	1,690	5,413	76

Source: Reports of the United States Coast Guard, Treasury Department.

No. 490.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: NET APPROPRIATIONS AND ALLOTMENTS FROM INCEPTION TO JULY 1, 1929

For fiscal years ended prior to July 1, 1928	**$3,578,741,281**
United States Shipping Board	4,735,275
United States Shipping Board Emergency Fleet Corporation	3,574,006,006
Act of Sept. 7, 1916, permanent fund	50,000,000
Acts from June 15, 1917, to June 12, 1922, emergency shipping fund	3,325,863,502
Acts of Feb. 13, 1923, June 7, 1924, Mar. 3, 1925, Apr. 22, 1926, and Feb. 11, 1927, current maintenance and operations	134,900,000
Act of June 12, 1922, claims, damage charges, and miscellaneous adjustments	38,254,185
Acts of Apr. 17, 1917, and July 1, 1918, national security and defense (presidential allotments)	24,988,319
For fiscal year ended June 30, 1929	**13,688,750**
United States Shipping Board	288,750
United States Shipping Board Emergency Fleet Corporation—for current maintenance and operations	13,400,000
For fiscal year ending June 30, 1930	**16,494,000**
United States Shipping Board	359,750
United States Shipping Board Emergency Fleet Corporation	16,134,250
Current maintenance and operations	11,134,250
Operation of trade lines, ex-purchasers (expenditures on approval of President of the United States)	5,000,000
Net appropriations and allotments to June 30, 1930	**3,608,924,031**

Source: United States Shipping Board.

No. 491.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: STATEMENT OF PROFIT AND LOSS (EXCLUDING LIQUIDATION) FISCAL YEAR 1929

[All money figures in thousands of dollars]

	Grand total	Ocean operations					Tugs	Chartered vessels
		Total	United States lines	Other passenger lines	Freighters	Tankers		
Number of voyages terminated	1,115	1,108	58	57	979	15		6
Cargo carried.....thousand tons	8,179	8,179	228	163	7,644	144		
Passengers carried	74,083	74,083	65,723	8,360				
Voyage revenue (estimated)	85,227	85,137	13,026	2,735	49,094	282		90
Operating costs, total (estimated)	77,815	77,563	14,244	2,720	60,371	228		52
Voyage expense	62,402	62,402	11,867	2,233	48,134	168		
Adjustment	792	792	125		665	2		
Insurance	3,584	3,509	371	83	3,028	27		25
Repairs—								
Maintenance	6,252	6,231	1,085	287	4,887	22		1
Betterments	386	386	88		298			
Advertising	647	647	400	40	207			
Administrative expense	3,572	3,546	308	77	3,152	9		26
Profit or *loss* on vessel operations	[1]2,588	[1]3,426	[1]1,218	15	[1]11,277	54		38
Expenses of inactive vessels	2,052							
Miscellaneous income, net	885							
Net *loss*	[1]14,185							

[1] Loss.

No. 492.—SHIPPING BOARD VESSELS SOLD; BY TYPE

NOTE.—Data for earlier years are as follows: 1921, grand total, 50 vessels of 254,125 dead-weight tons; 20 steel vessels of 157,875 dead-weight tons; 30 wood vessels of 96,250 dead-weight tons; 1922, grand total, 362 vessels of 1,510,676 dead-weight tons; 104 steel vessels of 582,249 dead-weight tons; 1 concrete vessel of 7,500 dead-weight tons; 10 composite vessels of 35,600 dead-weight tons; and 247 wood vessels of 885,327 dead-weight tons; 1923, grand total, 112 vessels of 728,721 dead-weight tons: 106 steel vessels of 705,108 dead-weight tons; 1 concrete vessel of 3,078 dead-weight tons; 1 composite vessel of 3,575 dead-weight tons, and 4 wood vessels of 16,960 dead-weight tons; 1924, grand total, 49 vessels of 345,396 dead-weight tons; 46 steel vessels of 328,224 dead-weight tons; and 3 concrete vessels of 17,172 dead-weight tons

Type	1925		1926		1927		1928		1929	
	Number	Dead-weight tons[1]	Number	Dead-weight tons[1]	Number	Dead-weight tons[1]	Number	Dead-weight tons[1]	Number	Dead-weight tons[1]
Grand total	147	768,142	278	1,415,536	49	304,921	82	692,876	186	1,245,544
Steel vessels	141	747,474	275	1,415,536	48	304,921	81	692,876	185	1,245,544
Cargo	107	545,198	258	1,250,156	37	215,175	76	649,602	108	1,075,426
Passenger	8	91,999	8	90,825	1	11,000			11	115,330
Tankers	9	84,627	6	53,500	9	71,068	4	34,574	6	54,788
All other	15	4,000					1	8,700		
For conversion to Diesel—										
Cargo	1	11,679								
Tankers	1	9,971	3	21,055	1	7,078				
Concrete vessels	2	9,298								
Composite vessels: Cargo	1	3,500								
Wood vessels	3	7,870	3		1		1		1	

[1] See general note, p. 431. No tonnage is shown on tugs; the number includes tugs.

Source: United States Shipping Board.

No. 493.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of December 31

NOTE.—For definition of dead-weight tons see general note, p. 431. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1923	1929	
	Dead-weight tons	Number	Dead-weight tons
Grand total	9,185,452	532	4,373,954
ORIGIN			
Requisitioned steel	1,461,634	99	867,622
Contract steel	7,280,775	406	3,358,035
Contract wood or concrete	63,153	[1] 7	7,500
Purchased	158,846	13	106,292
Seized enemy	215,144	4	34,535
All other	5,900	3	
CLASS			
Steel	9,119,899	525	4,366,454
Cargo (completed)	8,140,521	508	4,269,807
Cargo and passenger	431,768	2	17,000
Tankers	395,055		
Refrigerators	100,920	10	70,277
Transports	38,235		
All other	13,400	5	9,400
Wood, composite, and concrete	65,553	[1] 7	7,500

Class	1923	1929	
	Dead-weight tons	Number	Dead-weight tons
Active steel	3,362,576	2,361	2,078,111
Cargo	2,875,947	232	2,078,111
Cargo and passenger	278,734		
Tankers	194,158		
All other	13,737	4	
Temporarily inactive steel	206,847		
Inactive steel	5,550,476	289	2,288,373
Cargo	5,126,361	277	2,201,096
Cargo and passenger	127,952	2	17,000
Refrigerators	82,483	10	70,277
U. S. Army transports	38,235		
Tankers	175,445		
Wood and composite, active and inactive, and inactive concrete	65,553	[1] 7	7,500

[1] Includes 6 tugs.

No. 494.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

NOTE.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included

	Total United States ports			Atlantic coast ports			Gulf coast ports		
	1926	1927	1928	1926	1927	1928	1926	1927	1928
Total commerce	[1] 127,196	[1] 113,734	[1] 120,069	74,696	58,152	59,193	22,495	21,314	22,581
Inbound	56,878	54,570	59,105	36,578	35,098	38,039	8,477	6,664	6,724
Outbound	80,367	69,536	70,326	38,118	22,454	21,154	13,958	14,650	15,857
With foreign countries	112,826	99,118	106,224	63,962	47,210	49,342	21,488	20,029	21,350
Imports	44,686	42,183	47,395	28,614	27,436	30,024	8,184	6,094	6,325
Exports	68,140	56,935	58,829	35,348	19,774	18,418	13,304	13,935	15,026
Intercoastal				9,490	9,720	8,614	559	652	748
Inbound	10,049	10,372	9,362	7,268	7,565	6,363	245	278	324
Outbound	10,049	10,372	9,362	2,222	2,155	2,251	314	374	424
With noncontiguous territories	4,321	4,244	4,483	1,244	1,222	1,237	388	633	483
Imports	2,143	2,015	2,348	696	697	752	48	292	75
Exports	2,178	2,229	2,135	548	525	485	340	341	408

	Pacific coast ports			Great Lakes ports			Ports in noncontiguous territories [2]		
Total commerce	26,900	28,912	28,592	13,214	15,728	19,065	7,582	7,566	9,692
Inbound	6,647	6,390	4,223	5,176	5,818	7,119	4,241	4,278	5,024
Outbound	20,253	22,522	21,369	8,038	9,910	11,946	3,321	3,288	4,668
With foreign countries	14,162	16,151	16,467	13,214	15,728	19,065	2,043	1,941	1,964
Imports	2,712	2,835	3,027	5,176	5,818	7,119	1,562	1,510	1,519
Exports	11,460	13,316	13,440	8,038	9,910	11,946	481	431	445
Intercoastal	10,049	10,372	9,362						
Inbound	2,536	2,529	2,675						
Outbound	7,513	7,843	6,687						
With noncontiguous territories	2,689	2,389	2,763				[3] 5,519	[3] 5,625	[3] 7,728
Imports	1,399	1,026	1,521				[3] 2,679	[3] 2,768	[3] 3,505
Exports	1,290	1,363	1,242				[3] 2,840	[3] 2,857	[3] 4,223

[1] Duplication in intercoastal trade is eliminated.
[2] Including Philippine Islands.
[3] With continental United States.

Sources of Tables 493 and 494: United States Shipping Board.

No. 495.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—In thousands of cargo tons of 2,240 pounds. This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
Total:										
1921	33,057	4,835	18,635	(1)	9,587	48,431	7,254	11,150	(1)	30,027
1922	44,682	5,269	22,665	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923	43,296	3,031	19,753	9,218	11,294	49,080	6,903	9,286	18,824	14,067
1924	40,899	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,581	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,394
Per cent distribution:										
1921	100.0	15	56	(1)	29	100.0	15	23	(1)	62
1926	100.0	6	41	24	29	100.0	8	17	42	33
1927	100.0	5	46	22	27	100.0	11	22	36	31
1928	100.0	4	47	22	27	100.0	9	24	36	31
Dry cargoes:										
1921	15,695	2,173	6,192	(1)	7,330	42,451	6,529	9,483	(1)	26,439
1922	25,526	3,162	8,106	7,259	6,999	36,062	6,386	8,144	11,276	10,256
1923	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1924	26,242	2,267	8,462	6,914	8,599	41,204	6,460	8,290	14,146	12,308
1925	30,352	2,077	9,691	8,065	10,519	39,241	5,467	6,574	14,348	12,852
1926	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1927	30,740	2,027	10,381	8,165	10,167	43,416	5,986	8,617	15,449	13,364
1928	32,988	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
Per cent distribution:										
1921	100.0	14	39	-------	47	100.0	15	22	-------	63
1927	100.0	7	34	26	33	100.0	14	20	35	31
1928	100.0	6	34	27	33	100.0	11	23	36	30
Tanker cargoes:										
1921	17,362	2,662	12,443	(1)	2,257	5,980	725	1,667	(1)	3,588
1922	19,156	2,107	14,559	1,341	1,149	6,440	258	2,061	2,833	1,288
1923	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1924	14,657	396	11,168	1,492	1,601	11,057	203	3,363	4,721	2,770
1925	12,783	208	9,289	1,521	1,815	10,425	157	3,518	4,038	2,712
1926	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1927	11,443	168	8,882	1,163	1,230	13,519	199	3,893	5,279	4,148
1928	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,384
Per cent distribution:										
1921	100.0	15	72	-------	13	100.0	12	28	-------	60
1927	100.0	1	78	10	11	100.0	1	30	39	30
1928	100.0	-------	75	12	13	100.0	-------	29	35	36
North Atlantic ports:										
1924	22,351	1,082	7,885	5,596	7,188	20,696	2,873	2,516	7,855	7,452
1925	24,069	1,501	7,756	6,224	8,588	20,817	2,504	2,595	7,891	7,827
1926	26,440	1,896	8,781	6,720	9,053	33,994	2,164	3,352	15,330	13,148
1927	25,860	1,358	10,400	5,955	8,147	18,648	2,234	2,972	6,447	6,995
1928	39,309	1,197	12,315	7,035	8,762	17,710	2,070	3,295	6,082	6,263
South Atlantic ports:										
1924	1,726	97	571	535	523	822	202	152	162	306
1925	2,082	96	821	339	826	1,081	94	314	293	380
1926	2,165	121	1,003	349	692	1,354	220	69	486	579
1927	1,576	138	655	284	499	1,126	231	48	236	561
1928	1,615	202	438	318	657	707	156	78	191	282
Gulf ports:										
1924	9,889	400	6,987	812	1,690	12,805	2,607	2,321	3,823	4,054
1925	8,539	312	5,051	1,071	2,105	12,420	2,093	2,264	3,334	4,729
1926	8,184	552	4,304	1,062	2,266	13,304	2,445	2,043	3,650	5,166
1927	6,094	412	2,918	850	1,914	13,935	2,849	2,034	3,476	5,576
1928	6,325	486	2,915	767	2,163	15,025	2,622	1,978	3,854	6,561
Pacific ports:										
1924	2,585	484	551	765	785	9,360	981	2,233	2,898	3,248
1925	2,602	376	558	889	779	8,356	933	2,144	2,744	2,535
1926	2,712	320	681	877	834	11,450	762	2,912	4,021	3,755
1927	2,835	287	911	865	772	13,316	871	3,386	4,810	4,249
1928	3,027	184	1,088	821	934	13,441	223	4,103	4,250	4,865
Great Lakes ports:										
1924	4,348	-------	3,636	698	14	8,578	-------	4,431	4,129	18
1925	5,843	-------	4,744	1,003	36	6,992	-------	2,775	4,124	93
1926	5,176	-------	3,448	1,694	34	8,038	-------	3,155	4,782	101
1927	5,818	-------	4,379	1,374	65	9,910	-------	4,070	5,709	131
1928	7,119	-------	5,368	1,650	101	11,946	-------	4,763	6,760	423

[1] British not segregated in 1921; included in "Other."

Source: Bureau of Research United States Shipping Board.

No. 496.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY REGIONS OF ORIGIN AND DESTINATION AND METHOD OF CARRIAGE

[In thousands of cargo tons of 2,240 pounds]

Foreign trade region	1925	1926	1927	1928—In vessels of—				
				Total	U. S. Shipping Board	Independent Amer.	British	Others
Imports, total	**43,135**	**44,686**	**42,183**	**47,395**	**2,063**	**22,124**	**10,591**	**12,617**
United Kingdom	1,924	1,946	1,385	1,662	146	99	1,209	208
North Atlantic and Baltic Europe	1,108	1,014	1,231	1,028	3	146	15	864
Havre-Hamburg range	3,366	4,498	3,481	3,985	866	110	501	2,508
South Atlantic Europe	487	564	399	565	32	14	285	234
West Mediterranean	1,143	1,192	1,174	1,172	20	152	305	695
East Mediterranean and Black Sea	412	420	429	299	-------	60	109	130
West Indies	6,702	8,042	7,763	9,841	-------	5,561	1,470	2,810
Mexico	10,510	8,375	5,476	3,749	-------	2,921	175	653
Central America	1,231	1,177	1,344	1,516	-------	504	183	829
North Coast South America	719	1,703	3,076	5,222	1	3,819	657	745
East Coast South America	1,287	1,682	1,720	1,521	288	357	419	457
West Coast South America	2,744	2,901	2,617	3,006	-------	1,532	519	955
West Africa	235	260	259	216	83	27	80	26
South and East Africa	195	243	247	231	-------	62	169	-------
Australasia	103	108	131	156	27	23	78	28
East Indies	511	550	547	704	14	137	399	154
East Asia	1,344	1,249	1,391	1,566	410	403	263	490
India, Persian Gulf, and Red Sea	822	784	730	868	173	117	560	18
Pacific Canada	1,296	1,350	1,321	1,295	-------	536	674	85
Atlantic Canada and Newfoundland	6,996	6,628	7,463	8,793	-------	5,544	2,521	728
Exports, total	**49,666**	**68,140**	**56,935**	**58,829**	**5,070**	**14,217**	**21,148**	**18,394**
United Kingdom	7,459	19,505	8,634	8,199	1,342	380	5,226	1,251
North Atlantic and Baltic Europe	1,872	1,703	2,007	1,897	43	193	150	1,511
Havre-Hamburg range	8,023	8,525	9,252	8,901	2,282	389	1,410	4,820
South Atlantic Europe	1,275	2,055	1,365	1,354	137	118	339	760
West Mediterranean	3,650	4,434	2,864	2,706	253	155	237	2,061
East Mediterranean and Black Sea	654	829	527	553	10	161	143	239
West Indies	3,383	3,142	3,245	3,247	1	1,430	769	1,047
Mexico	759	593	514	494	-------	253	4	237
Central America	1,453	1,755	2,084	1,917	19	1,552	134	212
North Coast South America	361	539	424	581	1	248	61	271
East Coast South America	2,930	4,945	3,777	3,151	361	647	1,341	802
West Coast South America	1,200	1,306	1,270	1,516	8	822	449	237
West Africa	280	474	290	281	58	81	113	29
South and East Africa	403	332	456	460	-------	119	324	17
Australasia	1,460	1,740	1,964	1,779	123	230	983	443
East Indies	289	406	403	410	6	89	154	161
East Asia	4,317	5,407	5,613	6,989	384	1,611	1,564	3,430
India, Persian Gulf, and Red Sea	406	461	465	303	42	80	178	3
Pacific Canada	719	854	910	1,068	-------	630	433	5
Atlantic Canada and Newfoundland	8,764	9,135	10,871	13,023	-------	5,029	7,136	858

Foreign trade region	Ocean-borne imports, 1928				Ocean-borne exports, 1928			
	North Atlantic	South Atlantic	Gulf	Pacific	North Atlantic	South Atlantic	Gulf	Pacific
Total	**29,309**	**1,615**	**6,325**	**3,027**	**17,711**	**707**	**15,025**	**13,440**
United Kingdom	1,373	40	144	88	3,219	191	2,960	1,824
North Atlantic and Baltic Europe	928	8	33	55	779	48	1,007	58
Havre-Hamburg range	2,493	488	531	465	3,840	186	4,137	738
South Atlantic Europe	533	17	13	2	473	6	809	66
West Mediterranean	996	9	142	25	1,084	20	1,428	174
East Mediterranean and Black Sea	297	1	1	-------	410	-------	133	10
West Indies	7,397	173	2,230	41	1,925	82	1,162	78
Mexico	1,992	200	1,331	136	146	-------	137	211
Central America	652	31	715	118	562	6	349	1,000
North Coast South America	4,684	124	403	11	430	11	128	12
East Coast South America	1,188	20	239	74	1,569	85	852	644
West Coast South America	2,211	394	255	146	316	2	56	1,142
West Africa	203	-------	13	-------	219	-------	62	-------
South and East Africa	229	2	-------	-------	279	-------	160	21
Australasia	101	-------	10	45	386	1	187	1,205
East Indies	622	-------	4	78	249	9	6	146
East Asia	680	-------	98	788	984	57	908	5,040
India, Persian Gulf, and Red Sea	727	10	108	23	207	-------	64	32
Pacific Canada	358	1	16	920	13	2	26	1,027
Atlantic Canada and Newfoundland	1,645	7	39	12	621	1	454	12

Source: Bureau of Research, United States Shipping Board.

No. 497.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—In cargo tons of 2,240 pounds. Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals

Foreign origin or destination	Imports			Exports		
	1926	1927	1928	1926	1927	1928
Grand total	44, 686, 235	42, 182, 967	47, 395, 432	58, 139, 521	56, 935, 465	58, 829, 394
United Kingdom	1, 946 356	1, 384, 559	1, 662, 074	19, 505, 183	8, 634, 499	8, 199, 134
England	1, 325, 181	1, 177, 876	1, 214, 635	15, 584, 452	7, 521, 564	7, 077, 398
Ireland	5, 902	5, 537	2, 854	971, 829	410, 114	403, 766
Scotland	167, 628	87, 225	190, 547	1, 862, 245	583, 439	604, 512
Wales	447, 645	113, 921	254, 038	1, 086, 657	119, 382	113, 458
North Atlantic and Baltic Europe	1, 014, 477	1, 230, 983	1, 027, 956	1, 702, 767	2, 007, 297	1, 897, 377
Greenland	7, 380	6, 111	6, 360	52		10
U. S. S. R. (Russia)	3, 861	14, 202	47, 710	72, 318	123, 680	123, 849
Finland	103, 718	104, 218	129, 808	102, 642	92, 173	102, 737
Norway	258, 296	351, 049	197, 345	374, 051	337, 766	260, 892
Sweden	520, 994	688, 918	592, 384	338, 804	424, 731	500, 722
Denmark	72, 438	35, 080	38, 559	702, 677	884, 678	736, 942
Danzig	20, 547	27, 700	11, 870	22, 528	95, 022	126, 303
Germany	26, 748	885	626	18, 475	30, 457	17, 293
Estonia	494		730	461	2, 427	3, 543
Latvia	1			10, 756	15, 763	19, 949
Lithuania		2, 754	1, 071	2	600	5, 137
Havre-Hamburg range	4, 497, 667	3, 481, 007	3, 985, 297	8, 525, 201	9, 251, 980	8, 901, 028
Germany	1, 305, 395	1, 021, 047	1, 246, 234	3, 169, 952	3, 913, 272	3, 711, 828
Netherlands	1, 168, 762	703, 482	876, 062	2, 405, 410	2, 721, 748	2, 599, 931
Belgium	1, 688, 457	1, 373, 980	1, 482, 203	1, 506, 722	1, 634, 446	1, 483, 425
France	335, 053	382, 498	380, 708	1, 443, 117	982, 494	1, 105, 844
South Atlantic Europe	564, 297	399, 159	565, 383	2, 054, 653	1, 365, 149	1, 353, 747
France	52, 398	47, 433	40, 129	1, 200, 623	937, 141	915, 896
Portugal	71, 079	33, 740	55, 711	327, 766	175, 041	121, 070
Spain	440, 360	317, 316	468, 955	216, 504	202, 615	237, 959
Azores Islands	370	227	463	20, 658	4, 938	12, 805
Canary Islands	98	439	110	274, 916	38, 639	59, 299
Madeira	2	4	15	14, 096	6, 775	6, 718
West Mediterranean	1, 192, 538	1, 173, 881	1, 172, 442	4, 434, 093	2, 863, 723	2, 705, 672
Spain	230, 049	161, 241	172, 781	439, 798	301, 506	382, 431
France	84, 438	80, 602	85, 838	651, 633	625, 735	532, 791
Italy	495, 863	427, 496	427, 833	2, 957, 433	1, 761, 379	1, 613, 945
Yugoslavia	56, 119	32, 893	19, 462	5, 864	340	12, 822
Malta	31	269	56	53, 824	11, 703	10, 088
Tunis	35, 883	109, 954	97, 327	35, 018	23, 208	30, 587
Algeria	278, 254	361, 335	369, 145	266, 567	110, 645	106, 866
Morocco	11, 899	91		23, 948	29, 207	16, 142
East Mediterranean and Black Sea	419, 551	429, 331	299, 461	828, 782	526, 412	552, 574
Rumania	20, 940	4, 271	2, 547	13, 488	13, 313	23, 182
U. S. S. R. (Russia)	242, 641	261, 058	151, 283	31, 183	45, 060	40, 803
Turkey	34, 414	40, 112	40, 087	47, 954	16, 907	32, 084
Cyprus	4, 074	3, 639	3, 116	323		126
Greece	45, 669	36, 537	38, 727	286, 284	289, 220	253, 158
Egypt	68, 269	79, 316	57, 858	419, 202	137, 774	164, 709
Palestine	177	179	134	20, 188	6, 120	9, 786
Syria	2, 208	3, 728	5, 063	16, 027	18, 018	28, 439
West Indies	8, 041, 752	7, 782, 132	9, 840, 772	3, 141, 632	3, 245, 247	3, 247, 062
Cuba	5, 948, 097	4, 924, 189	4, 627, 572	2, 142, 739	2, 306, 626	2, 049, 079
Jamaica	300, 133	372, 655	271, 122	193, 204	135, 419	153, 068
Bahama Islands	29, 114	14, 612	24, 865	40, 722	37, 764	39, 330
Haiti	25, 243	30, 984	28, 690	102, 933	96, 467	109, 215
Dominican Republic	125, 859	115, 488	160, 087	131, 902	151, 674	120, 831
Lesser Antilles	1, 607, 020	2, 301, 834	4, 718, 414	491, 257	468, 227	725, 741
Bermudas	6, 286	2, 970	10, 022	38, 875	49, 070	40, 798
Mexico	8, 375, 489	5, 475, 758	3, 748, 757	592, 733	514, 332	493, 800
Central America	1, 176, 976	1, 342, 613	1, 515, 912	1, 755, 257	2, 084, 366	1, 917, 132
British Honduras	89, 697	104, 089	60, 450	14, 357	15, 472	12
Guatemala	179, 030	201, 893	200, 212	81, 081	78, 503	172, 094
Honduras	375, 347	515, 884	725, 579	87, 515	139, 502	144, 442
Nicaragua	147, 794	145, 427	138, 432	59, 112	55, 690	63, 050
Costa Rica	157, 427	156, 374	157, 659	41, 949	45, 438	62, 990
Panama	45, 174	43, 289	40, 456	4, 369	8, 100	21, 539
Canal Zone	156, 010	169, 974	181, 141	1, 401, 632	1, 687, 999	1, 381, 375
Salvador	26, 488	5, 683	11, 983	65, 242	53, 662	58, 740

No. 497.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1926	1927	1928	1926	1927	1928
North Coast South America	1,703,129	3,074,799	5,291,744	538,725	424,312	581,158
Venezuela	857,091	1,542,094	3,178,714	293,456	214,633	287,851
British Guiana	180,898	162,433	178,078	34,147	26,877	26,279
Netherlands Guiana	48,145	162,370	182,212	22,901	21,477	19,636
French Guiana	13		9	2,089	2,502	2,352
Colombia	616,982	1,207,902	1,682,731	186,132	158,823	245,040
East Coast South America	1,681,748	1,719,786	1,521,146	4,945,361	3,776,428	3,151,058
Brazil	821,698	736,642	728,863	2,107,281	1,152,179	1,019,406
Uruguay	56,716	44,890	44,591	473,335	504,870	354,830
Argentina	789,041	925,416	732,314	2,354,133	2,110,337	1,762,086
South Atlantic Islands	14,293	12,838	15,378	10,592	9,042	14,736
West Coast South America	2,900,998	2,617,078	3,005,622	1,305,938	1,269,770	1,516,343
Colombia	31,732	12,911	20,180	56,439	53,629	71,637
Chile	2,366,623	2,274,196	2,635,073	925,122	861,229	1,158,371
Peru	489,269	310,557	229,631	208,471	314,557	258,561
Ecuador	13,369	19,414	120,138	25,906	40,355	27,774
West Africa	259,795	259,069	215,842	473,916	289,563	281,323
Morocco	3,866	18,067	33,866	37,427	34,388	34,613
Cape Verde Islands	1	212	112	120,309	28,852	9,305
Senegal	3,734	3,233	2,040	154,936	31,466	34,483
Gambia				1,045	1,981	2,561
Sierra Leone	971	1,169	469	8,153	9,726	9,669
Liberia	178	384	1,009	1,869	4,583	4,081
Ivory Coast	34,824	35,970	19,697	5,750	6,849	8,174
Gold Coast	168,521	136,537	91,648	46,585	55,809	63,468
Togo	1,261	211		3,622	4,122	4,640
Dahomey	900	2,327	1,928	6,595	6,483	5,997
Nigeria	30,779	45,912	42,021	41,795	67,876	60,169
Cameroon	723	715	1,990	4,858	5,813	6,992
Gabon	1,283	60		989	1,963	3,474
Belgian Congo	12,660	13,411	21,096	25,756	12,924	13,361
Southwest Africa		690		4,102	5,977	7,635
Angola	18	14	22	6,216	6,382	8,036
South and East Africa	242,892	247,506	231,379	331,192	455,797	460,386
Union of South Africa	77,373	46,983	31,971	234,679	304,477	321,047
Mozambique	158,836	192,652	181,974	63,851	107,308	93,681
British East Africa	[1] 2,490	[1] 6,876	[1] 15,477	[1] 14,765	[1] 24,838	[1] 28,744
Madagascar	4,140	1,014	1,462	3,442	5,685	7,401
Mauritius Island		1	206	5,705	10,576	7,610
Australasia	108,139	131,428	156,449	1,740,354	1,984,047	1,779,095
New Zealand	32,714	50,854	59,746	437,031	443,711	474,629
Australia	41,482	41,501	57,592	1,263,137	1,468,865	1,254,187
Fiji Islands	4,617	4,256	2,558	7,843	5,247	8,541
New Caledonia	8,872	11,907	7,868	5,058	4,680	5,654
Society Islands	12,111	12,470	9,880	9,830	10,132	8,696
Cook Islands	918	813	1,717	610	450	355
Tasmania	628	528	203	13,002	13,184	17,028
New Guinea	5,698	2,266	7,785	2,827	6,847	3,604
East Indies	549,605	546,849	703,490	406,417	403,358	409,558
Straits Settlements	369,456	344,005	354,568	96,213	125,098	92,842
French Indo-China	179		131	45,279	32,533	34,598
Sumatra	53,717	58,320	88,520	42,653	43,026	50,344
Java	103,194	121,435	228,938	168,437	163,022	196,075
Borneo	3,373	5,103	5,211	43,219	28,570	17,576
Celebes	13,091	17,654	23,490	4,657	5,901	10,097
East Asia	1,249,425	1,390,691	1,566,382	5,407,362	5,612,671	6,989,147
China	289,415	259,448	279,136	1,459,888	1,278,155	1,808,044
U. S. S. R. (Russia)	2,075	525	250	1,018	925	4,467
Japan	261,104	288,252	318,662	3,445,576	3,794,396	4,584,274
Philippine Islands	696,831	842,466	968,334	500,880	539,195	592,362
India, Persian Gulf, and Red Sea	783,625	730,289	887,833	464,945	464,945	302,829
Egypt	6,712	7,449	7,102	1,062	1,895	2,022
Iraq	26,792	20,118	35,052	22		63
Aden		4,520	5,430		7,292	3,800
Arabia	4,557	612	200	5,251	1,811	2,231
Anglo Egyptian Sudan	6,969	6,004	9,021	8,327	415	1,386
India	666,210	617,420	734,836	416,256	417,425	244,629
Ceylon	72,385	74,166	76,192	30,395	36,107	48,608
Canada	7,977,783	8,786,049	10,087,491	9,988,642	11,781,589	14,090,971
Pacific	1,349,540	1,321,352	1,294,979	853,558	909,988	1,067,774
Atlantic and Newfoundland	1,452,600	1,647,005	1,673,224	1,099,809	961,812	1,077,189
Great Lakes	5,175,544	5,817,692	7,119,288	8,035,275	9,909,789	11,946,008

[1] Kenya and Tanganyika Territory only.

Source: Bureau of Research, United States Shipping Board.

No. 498.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS

NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage, including small ports not shown

State and port	Imports			Exports		
	1926	1927	1928	1926	1927	1928
North Atlantic District	25,817,639	25,779,559	28,444,626	33,525,541	18,627,139	17,027,020
Maine, total	688,785	694,023	568,526	243,937	154,599	114,141
Portland	644,707	648,195	521,214	243,882	154,599	111,841
New Hampshire: Portsmouth	22,044	39,230	14,545		13	143
Massachusetts, total	2,684,349	3,072,665	3,298,218	326,837	263,839	367,094
Boston	2,514,897	2,214,400	2,149,131	298,105	258,160	342,019
Everett		85,790	326,097			9,378
Fall River	105,172	719,877	596,570	21,850	14	8,020
Rhode Island, total	459,447	316,817	270,421	512	234	292
Providence	458,947	316,817	270,421	512	234	292
Connecticut	79,881	49,098	41,089	3	2	
New York, total[1]	13,405,471	13,441,749	15,284,747	10,951,295	11,434,523	10,866,540
New York[1]	13,392,216	13,404,699	15,252,217	10,949,743	11,434,523	10,857,949
New Jersey: Paulsboro				2,836	27,464	15,199
Delaware, total	215,678	342,996	553,224	569	11,565	769
Claymont	157,038	147,758	124,402			
Wilmington	58,640	195,238	428,822	569	11,565	769
Pennsylvania, total	3,170,594	2,764,509	3,561,880	3,439,076	2,052,581	1,748,821
Chester	219,309	223,410	228,441	8,004	55,745	27,033
Marcus Hook			128,066	95,258	75,501	116,400
Philadelphia[1]	2,951,285	2,541,099	3,205,373	3,335,814	1,921,335	1,605,388
Maryland: Baltimore	4,472,784	4,452,413	4,324,637	7,089,674	1,922,194	1,562,387
District of Columbia	900					
Virginia, total	617,706	606,059	527,339	11,470,802	2,760,125	2,351,634
Newport News	123,383	161,357	68,752	4,426,546	850,664	679,113
Norfolk	494,323	444,702	458,587	7,043,516	1,909,461	1,672,521
South Atlantic District	2,126,059	1,569,290	1,595,488	1,350,015	1,121,175	692,542
North Carolina: Wilmington	196,285	151,662	254,799	22,699	32,954	23,749
South Carolina, total	742,773	653,795	597,418	681,851	357,821	157,082
Charleston	742,773	653,795	597,418	681,851	357,821	157,070
Georgia, total	562,963	376,784	388,667	438,214	470,017	277,077
Brunswick	51,619	50,298	49,610	51,207	50,877	41,666
Savannah	511,344	320,486	339,057	387,007	419,140	235,411
Florida, east coast, total	624,038	387,049	354,604	207,251	260,383	234,634
Fernandina		136		110,326	123,180	68,106
Jacksonville	509,175	320,533	247,455	86,334	120,716	139,796
Miami	114,863	60,380	106,939	954	15,699	26,317
Gulf District	8,167,152	6,072,998	6,298,657	13,450,118	13,909,796	14,902,417
Florida, west coast, total	959,912	401,216	415,979	1,115,702	1,358,782	1,299,966
Boca Grande	1,808	1	3,288	102,014	84,106	78,862
Key West	445,256	147,867	135,226	252,048	269,760	215,008
Pensacola	95,440	77,339	136,969	229,377	248,238	220,173
Tampa	415,608	176,009	140,496	492,492	725,673	700,900
Alabama: Mobile	433,704	346,188	475,123	572,450	647,047	649,228
Mississippi, total	48,522	27,443	40,889	285,044	356,800	308,008
Gulfport	48,522	27,443	40,889	272,023	348,940	303,058
Louisiana, total	5,064,140	4,462,455	4,482,970	4,859,341	4,671,318	5,001,386
Baton Rouge	168,405	243,249	220,123	963,337	1,009,984	1,006,297
Lake Charles		98	4,378	1,510	1,491	39,903
New Orleans	4,880,100	4,195,596	4,256,746	3,803,433	3,539,340	3,920,662
Texas, total	1,660,874	835,696	883,696	6,617,581	6,875,849	7,643,229
Beaumont	2,084	6,929	5,597	945,992	703,545	692,386
Corpus Christi		5,346	7,539	3,831	77,142	209,335
Freeport	217,182	54,236		132,482	233,539	186,931
Galveston	723,398	393,766	317,484	1,936,277	1,843,288	1,633,691
Houston	364,534	192,311	300,256	2,183,698	2,606,647	3,530,377
Orange	4,718	8,801	10,562	59,437	88,398	85,761
Port Arthur	219,889	87,880	167,878	1,058,691	1,082,579	1,054,520
Sabine				91,092	6,000	2,850
Texas City	120,069	80,427	68,380	198,608	219,579	226,854

[1] Includes commerce of New Jersey ports which enters or clears through this customhouse.

No. 498.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1926	1927	1928	1926	1927	1928
Pacific District	2,693,134	2,785,792	3,026,496	11,384,564	13,320,987	13,412,108
California, total	1,481,968	1,522,343	1,706,722	6,959,865	8,563,387	8,793,298
Eureka				52,056	93,845	58,219
Los Angeles	451,832	510,657	601,491	4,435,046	5,663,401	5,738,897
San Diego	13,877	30,658	24,079	6,530	5,381	3,862
San Francisco [2]	1,015,927	981,020	1,139,000	2,097,250	2,313,630	2,541,806
Port San Luis	332	8		358,029	465,874	438,508
Oregon, total	126,247	133,085	125,771	1,909,297	1,974,750	1,785,804
Astoria	8,693		1,192	120,814	82,413	151,192
Coos Bay [3]	2,169			98,349	93,527	150,379
Portland	112,585	125,729	121,957	1,527,470	1,644,285	1,303,612
Prescott				25,623	22,720	26,661
Saint Helens	2,800	7,356	2,622	23,142	22,697	20,801
Wauna				22,977	41,508	59,229
Westport				52,544	41,971	29,613
Washington, total	1,084,919	1,130,364	1,193,993	2,515,402	2,782,844	2,833,006
Anacortes	88,496	113,655	82,920	51,421	60,920	44,432
Bellingham	65,585	35,585	15,808	52,907	98,678	98,822
Everett	9,723	15,622	4,255	144,868	186,519	234,039
Grays Harbor [4]	2,586	575	1,828	689,072	652,300	601,555
Kalama				2,765	18,396	41,108
Longview	203		152	82,167	90,332	121,833
Olympia	80	1,882	701	64,301	127,709	195,143
Port Angeles	142,618	99,567	115,272	19,471	28,730	22,725
Port Gamble			180	891	19,254	36,954
Port Ludlow				7,743	15,820	27,122
Seattle	403,347	454,984	448,519	786,012	804,399	720,079
Tacoma	359,470	391,321	380,038	528,092	586,986	600,595
Vancouver				11,502	25,266	28,125
Willapa Harbor				28,706	19,953	19,101
Great Lakes District	5,171,672	5,817,674	7,109,251	8,023,418	9,922,342	11,942,470
New York, total	3,993,220	4,209,551	5,364,690	1,691,207	2,486,707	3,485,302
Buffalo	3,516,543	3,621,624	4,833,615	742,755	1,587,467	1,866,973
Fair Haven				54,264	7,718	8,150
Ogdensburg	172,071	193,450	154,250	2,194	1,990	209
Oswego	2,723	26,028	900	93,184	70,314	47,517
Rochester	99,969	140,066	183,740	591,480	675,534	1,069,491
Sodus Point				202,029	136,925	486,646
Tonawanda	58,750	37,242	43,695			
Waddington	137,000	118,400	138,942			
Pennsylvania: Erie	208,368	232,248	74,225	113,660	92,928	26,745
Ohio, total	458,774	463,866	641,238	4,225,154	4,250,493	4,778,340
Ashtabula				466,391	361,762	546,318
Cleveland	131,001	157,842	163,123	187,226	216,394	203,170
Conneaut				117,031	84,489	93,102
Fairport	180,634	137,454	284,479	387,340	231,805	1,016,586
Lorain	6,000	2,982	2,982	233,836	392,559	341,971
Sandusky	115,090	102,087	80,905	1,111,954	1,099,975	706,596
Toledo	26,048	63,501	109,749	1,721,376	1,863,509	1,870,602
Indiana		23	1,500	15,550	15,020	44,057
Illinois: Chicago	79,891	80,559	225,015	321,227	336,819	172,244
Michigan, total	253,525	611,402	603,527	528,303	639,801	1,247,542
Algonac				35,032	65,238	71,245
Calcite				10,025		43,779
Detroit	146,414	459,404	416,997	13,116	125,436	212,011
Escanaba	1,360	2,846		292,406	283,889	366,065
Isle Royal			503	4,050	29,521	218,186
Marquette				158,299	115,500	
Muskegon	30,020	37,232	48,470			
Saint Clair		185		303	2,574	295,035
Wyandotte		36,185	49,431			2,930
Wisconsin, total	132,126	184,032	140,625	820,180	1,316,710	1,562,891
Ashland	98,349	143,734	100,000	124,287	98,762	186,392
Milwaukee	15,172	12,689	11,441	29,443	49,056	23,743
Superior	6,874	1,340	5,300	664,307	1,158,197	1,346,506
Minnesota, total	45,768	35,993	58,431	308,137	783,864	625,349
Duluth	45,768	35,993	58,431	308,137	783,864	599,154

[2] Includes all ports within San Francisco Bay.
[3] Includes Marshfield and North Bend.
[4] Includes Aberdeen and Hoquiam.

Source: Bureau of Research, United States Shipping Board.

No. 499.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS

NOTE.—In thousands of cargo tons of 2,240 pounds. Leaders indicate no data, or less than 500 tons

Commodity	1925	1926	1927	1928					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	**43,135**	**44,688**	**42,183**	**47,395**	**29,309**	**1,615**	**6,325**	**3,027**	**7,119**
Wheat	3,407	3,150	3,475	4,430	6	-------	-------	7	4,417
Other grains	698	604	623	778	32	-------	1	22	723
Oil seeds	360	563	506	437	425	-------	1	6	5
Vegetable oils	-------	-------	345	383	274	-------	26	83	-------
Vegetables and vegetable products, n. e. s.	706	826	651	777	571	11	36	159	-------
Animal, fish and dairy products	245	278	389	412	295	2	45	69	1
Bananas	1,353	1,321	1,531	1,656	842	30	707	71	-------
Coconuts and copra	218	266	264	309	67	1	55	186	-------
Other fruits and nuts	415	361	276	328	244	-------	44	40	-------
Sugar	3,929	4,058	3,590	3,380	2,209	162	792	122	5
Molasses	1,306	1,330	1,195	1,334	676	2	644	12	-------
Coffee	613	668	667	681	405	8	188	80	-------
Cocoa	167	187	198	173	169	-------	-------	4	-------
Tobacco and manufactures	51	48	58	50	43	-------	4	3	-------
Cotton	82	90	93	74	64	-------	-------	10	-------
Cotton manufactures	92	108	98	96	59	1	11	25	-------
Wool	146	140	110	103	89	-------	-------	14	-------
Wool manufactures	38	37	34	35	33	-------	-------	2	-------
Silk	20	20	20	32	5	-------	-------	27	-------
Silk manufactures	38	38	37	21	17	-------	-------	4	-------
Jute	68	76	103	98	93	3	-------	2	-------
Jute manufactures	311	349	319	350	226	7	79	38	-------
Other vegetable fibers and grasses	439	335	300	360	174	4	91	23	68
Textiles and manufactures, n. e. s.	76	74	107	84	73	-------	3	7	1
Hides, skins and manufactures	173	169	192	235	230	-------	-------	5	-------
Furs and fur skins	16	16	14	14	13	-------	-------	1	-------
Rubber	408	433	459	481	464	-------	-------	17	-------
Pulp wood and wood pulp	1,851	1,791	2,051	2,081	1,158	-------	4	38	881
Paper stock, n. e. s.	292	245	175	223	192	4	6	21	-------
Paper and manufactures	342	381	445	468	182	14	79	127	66
Clays	392	423	352	320	294	-------	2	12	12
Clay and manufactures	190	298	293	244	192	-------	8	44	-------
Coal and coke	657	1,109	449	620	490	-------	-------	130	-------
Petroleum and products	11,165	11,138	10,036	12,844	10,365	442	2,006	11	20
Gypsum	500	710	753	939	843	-------	-------	96	-------
Pyrites	333	371	283	460	389	17	-------	54	-------
Non-metallic minerals, n. e. s.	-------	-------	1,830	1,855	609	107	73	260	806
Iron ores	2,203	2,698	2,797	2,611	2,499	-------	102	10	-------
Manganese and manganese ore	598	675	616	526	494	-------	21	6	5
Iron and steel and manufactures	834	1,028	722	792	458	9	97	203	25
Copper and manufactures	460	540	564	557	326	-------	-------	231	-------
Miscellaneous metals and mfrs.	925	710	728	734	295	-------	307	132	-------
Logs and lumber	1,608	1,693	1,676	1,404	919	1	106	321	57
Dyeing and tanning materials	150	182	197	219	182	-------	36	1	-------
Potash	789	781	542	757	319	265	161	10	2
Nitrates	1,242	933	829	1,173	395	415	278	74	11
Other fertilizers	96	129	130	268	95	67	62	44	-------
Pigments, chemicals and mfrs., n. e. s.	568	586	645	658	311	36	231	80	-------
All others	2,469	2,714	510	531	414	1	19	83	14
Exports, total	**49,666**	**68,140**	**56,935**	**58,829**	**17,711**	**707**	**15,025**	**13,440**	**11,946**
Wheat	5,300	6,768	7,010	6,324	2,529	-------	507	781	2,507
Rye	759	365	1,019	441	120	-------	26	4	291
Corn	224	330	295	694	241	-------	381	14	58
Barley	1,077	723	1,250	1,650	701	-------	201	186	562
Oats	-------	-------	152	185	129	-------	11	-------	45
Rice	-------	-------	144	165	12	-------	132	21	-------
Other grains	817	482	138	127	70	-------	31	26	-------
Wheat flour	1,387	1,395	1,401	1,352	780	-------	234	338	-------
Oil-cake and meal	-------	-------	714	512	267	10	216	19	-------
Vegetables and vegetable products, n. e. s.	932	908	343	277	222	1	26	28	-------
Animal, fish and dairy products	866	790	746	753	521	5	109	118	-------
Fruits and nuts	537	694	745	827	326	4	6	492	-------
Sugar	378	121	167	196	180	-------	11	5	-------
Naval stores	291	290	391	204	9	194	59	2	-------
Tobacco and manufactures	255	271	272	324	256	2	43	23	-------
Cotton	1,853	2,049	2,125	1,902	105	123	1,625	49	-------
Cotton manufactures	93	85	103	77	67	6	3	1	-------
Other textiles and manufactures	5	9	103	100	91	-------	7	1	1
Hides, skins, and manufactures	45	30	29	28	24	-------	-------	4	-------
Rubber and manufactures	32	35	59	70	57	-------	3	10	-------
Paper stock and manufactures	-------	-------	186	230	123	2	15	89	1

No. 499.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1925	1926	1927	1928					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	9,092	24,711	8,409	9,074	2,163	83	116	13	6,699
Petroleum and products	13,174	14,959	16,512	17,864	3,348	15	7,115	7,312	74
Sulphur	612	567	799	655	15	-------	630	2	8
Cement	150	152	131	128	101	1	24	2	-------
Nonmetallic minerals and mfrs., n. e. s.	-------	-------	442	742	95	10	65	76	496
Iron ores	583	814	744	971	8	-------	-------	-------	963
Iron, steel, and manufactures	1,223	1,528	1,552	1,903	1,308	43	347	64	201
Machinery	470	494	492	604	523	-------	39	26	16
Vehicles	644	577	654	969	931	-------	6	31	1
Copper and manufactures	440	394	443	457	353	-------	11	87	6
Ores, metals and manufactures, n. e. s.	-------	-------	281	308	149	4	106	49	-------
Logs and lumber	4,539	4,750	5,430	5,617	209	125	1,988	3,289	6
Phosphates	869	759	924	833	40	69	723	1	-------
Other fertilizers	208	249	220	199	145	-------	22	32	-------
Pigments, chemicals and mfrs., n. e. s.	278	348	454	497	301	-------	101	94	1
All others	2,533	2,484	1,456	1,450	1,193	10	86	151	10

Source: Bureau of Research, United Shipping Board.

No. 500.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

Note.—Domestic trade is not included. For definition of net tonnage see general note, p. 431. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared		Year	Entered		Cleared	
	Sea-ports	Other ports	Sea-ports	Other ports		Sea-ports	Other ports	Sea-ports	Other ports
1840 [1]	1,788	601	1,861	492	1898	21,700	3,879	21,892	3,856
1850	3,169	1,179	3,167	1,194	1899	21,903	4,148	22,177	4,089
1860	5,000	3,275	5,267	3,533	1900	23,534	4,629	23,618	4,663
1870	6,270	2,886	6,302	2,807	1901	24,791	4,977	24,889	4,931
1871–1875	8,462	2,907	8,514	2,904	1902	24,361	6,293	24,242	6,202
1876–1880	12,134	2,792	12,197	2,807	1903	24,698	6,396	24,823	6,493
1881–1885	13,604	2,931	13,781	2,917	1904	24,111	5,841	24,102	5,824
1886–1890	13,479	2,602	13,655	2,593	1905	24,793	6,190	25,020	6,138
1891–1895	16,801	2,816	16,965	2,876	1906	27,401	6,754	26,970	6,814
1896–1900	20,931	3,989	21,077	4,007	1907	29,248	7,374	28,499	7,491
1901–1905	24,551	5,939	24,633	5,918	1908	30,444	8,095	30,198	8,084
1906–1910	29,651	8,071	29,156	8,036	1909	30,243	8,815	29,604	8,592
1911–1915	36,035	11,879	35,954	12,061	1910	30,917	9,319	30,510	9,196
1915–1920 [2]	38,071	13,440	40,137	13,511	1911	32,457	10,218	32,299	10,138
1921–1925	52,959	13,334	53,578	13,075	1912	34,659	11,490	34,706	11,711
1910–1914	35,212	11,408	34,965	11,614	1913	37,973	13,666	37,566	13,586
1914–1920 [3]	37,604	13,189	39,417	13,190	1914	40,052	13,337	39,743	13,440
1882	14,656	2,945	14,840	2,911	*1915*	*35,032*	*11,678*	*35,458*	*11,427*
1883	13,361	3,021	13,565	2,976	1916	37,744	13,806	38,946	13,477
1884	12,085	2,984	12,206	2,999	1917	36,521	13,951	38,094	13,983
1885	12,287	3,018	12,496	3,019	1918	31,101	14,356	31,869	14,145
1886	12,230	2,906	12,413	2,915	1918 (July–Dec.)	16,113	8,916	16,112	9,360
1887	13,532	2,284	13,511	2,242	1919	36,381	10,320	40,750	10,506
1888	12,956	2,437	13,252	2,417	1920	51,532	12,572	54,981	12,837
1889	13,312	2,640	13,672	2,671	1921	49,958	12,327	50,423	12,242
1890	15,366	2,741	15,429	2,720	1922	51,701	13,490	51,799	13,040
1891	15,394	2,810	15,411	2,850	1923	52,775	13,544	53,215	13,409
1892	18,180	2,833	18,258	2,903	1924	54,726	13,565	55,204	13,616
1893	16,679	2,903	16,825	2,936	1925	55,636	13,742	57,160	13,009
1894	17,025	2,965	17,306	2,966	1926	63,759	13,174	65,583	13,458
1895	16,725	2,570	17,024	2,727	1927	58,921	15,389	59,759	15,682
1896	17,453	3,536	17,819	3,596	1928	62,809	17,402	63,331	17,336
1897	20,003	3,757	19,378	3,831	1929	66,853	15,749	67,030	15,313

[1] Year ended Sept. 30.
[2] Average for period July 1, 1915 to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 501.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS

NOTE.—In thousands of net tons. See headnote, Table 500

Customs district	1926		1927		1928		1929	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	76,933	79,041	74,310	75,440	80,211	80,667	82,602	82,343
Seaports, total	63,759	65,583	58,921	59,759	62,309	62,331	66,353	67,030
North Atlantic coast, total	28,517	26,236	28,345	28,532	31,071	29,048	32,670	30,784
Maine and New Hampshire	699	676	677	599	623	520	652	540
Massachusetts	3,783	2,511	4,397	2,884	4,257	2,846	4,335	3,105
Rhode Island	289	255	249	200	237	236	342	267
Connecticut	37	13	20	17	28	6	31	12
New York	20,575	20,427	20,558	21,327	22,873	23,607	23,954	24,876
Philadelphia	3,134	2,354	2,444	1,505	3,053	1,833	3,356	1,984
South Atlantic coast, total	10,413	12,885	4,896	6,642	4,607	6,070	5,520	6,640
Maryland	4,132	3,767	2,052	1,488	1,909	1,380	2,470	1,711
Virginia	4,355	6,900	887	2,722	551	2,383	830	2,409
North Carolina	95	77	65	46	170	74	136	84
South Carolina	551	524	482	408	416	343	337	235
Georgia	353	640	286	760	304	584	203	619
Porto Rico	927	977	1,124	1,218	1,257	1,306	1,454	1,582
Gulf coast, total	11,875	12,467	11,612	11,904	11,629	13,437	12,120	12,802
Florida	2,630	2,225	2,649	2,158	2,476	2,044	2,788	2,295
Mobile	614	894	689	914	659	852	582	783
New Orleans	5,421	4,843	5,189	4,535	5,119	4,695	5,358	5,008
Sabine	337	1,094	675	1,005	765	963	806	891
Galveston	2,373	3,410	2,410	3,292	2,610	3,883	2,586	3,825
Mexican border: San Antonio	4		101	29	210	61	265	259
Pacific coast, total	12,950	13,995	13,987	14,652	15,292	15,715	16,278	16,545
Washington	5,536	6,031	5,430	5,574	6,273	6,278	6,856	6,436
Oregon	899	920	960	910	927	976	929	939
San Francisco	1,759	2,125	1,811	2,365	1,906	2,457	2,075	2,529
Los Angeles	3,623	3,464	4,556	4,375	4,792	4,573	5,054	5,210
Alaska	320	241	333	255	362	267	321	239
Hawaii	813	1,214	877	1,173	942	1,164	1,043	1,192
Northern border, total	13,174	13,458	15,389	15,681	17,402	17,386	15,749	15,313
Vermont	5	7	4	7	5	6	5	6
St. Lawrence	1,144	847	1,773	828	1,239	872	1,142	861
Rochester	2,401	2,475	2,675	2,727	3,372	3,422	3,482	3,558
Buffalo	3,087	1,407	3,534	2,147	4,122	2,000	2,289	1,158
Ohio	3,475	4,855	3,781	4,745	4,179	5,430	3,910	5,448
Michigan	1,472	1,917	2,146	2,179	2,053	2,600	2,289	2,371
Chicago	203	512	199	508	228	490	286	382
Wisconsin	237	374	477	538	410	430	636	340
Duluth and Superior	1,150	1,264	1,400	2,002	1,794	2,026	1,810	1,189

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901–1905	17,427	15,149	4,056	1,770	3,068	2,286	----	5,939	2,602
1906–1910	20,921	18,494	5,159	2,420	3,570	2,707	----	8,072	3,207
1911–1915	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915–1920[1]	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921–1925	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1925	31,964	28,681	12,047	8,085	11,625	6,684	----	13,742	7,322
1926	38,930	30,029	11,875	8,082	12,950	7,000	4	13,174	7,131
1927	33,174	26,303	11,904	10,410	14,652	12,678	29	15,682	10,656
1928	35,678	33,438	11,629	7,020	15,292	8,249	210	17,402	8,571
1929	38,190	35,438	12,120	7,703	16,278	8,734	265	15,749	7,558
Clearances:									
1901–1905	17,077	15,714	4,499	4,328	3,057	2,418	----	5,918	3,825
1906–1910	20,162	18,659	5,477	5,187	3,517	2,022	----	8,036	5,673
1911–1915	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916–1920[1]	25,921	23,168	8,528	6,915	5,626	4,762	62	13,511	9,637
1921–1925	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1925	33,091	26,457	12,140	9,665	11,929	9,628	----	13,069	8,805
1926	39,121	32,537	12,467	10,103	13,995	11,597	----	13,458	9,241
1927	33,241	30,514	11,612	7,337	13,967	7,580	101	15,389	7,824
1928	35,718	27,488	12,437	10,879	15,715	13,184	61	17,336	11,898
1929	37,424	28,776	12,802	11,220	16,545	13,877	259	15,313	10,017

[1] July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 502.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: BY CLASSES

[All figures except *number of vessels* and percentages in thousands of net tons. See headnote, Table 500]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891–1900	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901–1905	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906–1910	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	23,621	6,029
1911–1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915–1920 [1]	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921–1925	41,546	66,293	28,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1910–1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914–1920 [2]	42,257	50,773	20,667	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1915	39,754	46,710	13,275	33,435	28.4	35,032	1,605	33,427	23,893	11,139
1916	42,514	51,550	17,928	33,622	34.8	37,744	2,137	35,607	24,253	13,491
1917	44,172	50,472	18,725	31,747	37.1	36,521	2,123	34,398	23,726	12,795
1918	40,512	45,456	19,284	26,172	42.4	31,101	1,780	29,312	21,147	9,954
1918 (July–Dec.)	23,032	25,029	11,006	14,023	44.0	16,113	932	15,181	9,649	6,464
1919	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920	45,037	64,104	32,119	31,985	50.1	51,531	1,847	49,684	36,387	16,144
1921	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	10,556
1924	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925	42,019	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928	48,252	80,211	31,285	48,926	39.0	62,809	453	62,356	48,757	14,052
1929	46,087	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891–1900	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901–1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906–1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911–1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921–1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1910–1914	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914–1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1915	6,830	5,567	28,202	18,326	19.5	11,678	4,241	6,445	5,233
1916	9,446	7,773	28,298	16,480	25.0	13,806	6,539	8,482	5,324
1917	10,808	8,942	25,623	14,784	29.8	13,951	6,796	7,827	6,124
1918	11,256	9,136	19,845	12,011	36.2	14,355	5,400	8,027	6,328
1918 (July–Dec.)	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,783	5,544
1922	23,633	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101
1928	22,991	18,404	39,818	30,353	36.6	17,402	8,671	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,033	7,033	8,716

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 503.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 500]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,159	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891–1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901–1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906–1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911–1915	38,790	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915–1920 [1]	42,687	53,647	23,005	30,643	42.9	40,137	2,057	38,080	34,851	5,285
1921–1925	40,120	66,653	29,554	37,099	44.3	53,578	984	52,594	42,233	11,345
1910–1914	37,883	46,579	11,590	34,989	24.9	34,955	1,620	33,345	32,024	2,941
1914–1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1915	39,139	46,885	13,418	33,467	28.6	35,458	1,749	33,709	31,878	3,580
1916	42,136	52,423	17,902	34,521	34.1	38,945	2,310	36,635	35,203	3,742
1917	43,749	52,077	19,146	32,931	36.8	38,094	2,239	35,855	34,383	3,711
1918	39,893	46,014	19,206	26,808	41.7	31,869	1,925	29,944	28,125	3,744
1918 (July–Dec.)	22,580	25,472	11,223	14,249	44.1	16,112	1,011	15,101	13,594	2,518
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
1921	39,553	62,665	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	39,314	64,839	31,759	33,080	49.0	51,799	1,109	50,690	39,244	12,555
1923	40,256	66,624	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,910	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,978	2,541	10,741	10,254	21.7	2,754	1,778	472	2,282
1891–1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901–1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906–1910	4,084	3,498	25,072	23,270	14.0	8,036	5,673	4,198	3,838
1911–1915	5,361	4,522	30,594	28,305	14.9	12,060	8,567	7,151	4,909
1915–1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921–1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914–1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1915	7,110	5,692	28,348	26,186	20.1	11,427	7,300	6,308	5,119
1916	9,763	7,720	29,182	27,483	25.1	13,478	8,645	8,139	5,339
1917	11,339	8,805	26,755	25,578	29.8	13,983	9,745	7,807	6,176
1918	11,280	8,491	20,589	19,634	35.4	14,145	10,200	7,926	6,219
1918 (July–Dec.)	5,614	3,537	10,498	10,057	34.8	9,360	7,433	5,609	3,751
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	6,749	5,493
1922	23,755	14,743	28,044	24,501	45.9	13,040	9,234	8,004	5,036
1923	21,305	14,584	31,910	27,814	40.0	13,499	9,514	6,627	6,782
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	15,969	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,337	41,985	35,795	37.4	15,313	10,917	6,882	8,431

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 504.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

NOTE.—In thousands of net tons. Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 431

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926	1927	1928	1929
Total by sea:								
Entered	28,362	35,212	37,604	52,659	63,759	58,921	62,809	66,853
Cleared	28,206	34,965	39,417	53,578	65,583	59,759	63,331	67,030
Belgium:								
Entered	905	955	392	1,231	1,865	1,600	1,535	1,420
Cleared	901	1,039	452	1,190	1,157	1,358	1,254	1,310
Denmark:								
Entered	184	297	373	372	424	437	589	603
Cleared	352	305	498	450	615	623	728	775
France:								
Entered	611	1,047	2,251	1,953	2,385	2,206	2,375	2,194
Cleared	1,062	1,453	3,345	2,250	2,309	2,390	2,554	2,475
Germany:								
Entered	2,384	3,113	290	2,998	3,370	3,489	3,929	3,909
Cleared	2,773	3,474	298	3,165	3,150	3,597	3,446	4,005
Italy:								
Entered	1,097	1,305	2,171	1,707	2,083	1,915	2,177	2,349
Cleared	1,003	1,662	2,489	1,986	2,369	1,836	1,890	2,093
Netherlands:								
Entered	846	1,169	1,291	1,654	2,957	1,904	1,978	1,863
Cleared	1,206	1,521	1,459	1,464	1,496	1,612	1,672	1,371
Norway:								
Entered	----------	193	521	384	349	354	275	404
Cleared	----------	150	830	412	422	356	328	370
Spain:								
Entered	483	724	838	608	869	672	823	911
Cleared	265	337	490	463	504	618	617	682
Sweden:								
Entered	----------	68	240	504	578	679	651	736
Cleared	----------	66	440	353	436	491	516	518
United Kingdom:								
Entered	7,440	7,238	8,765	9,378	13,088	10,417	10,432	9,951
Cleared	7,153	7,162	8,164	8,647	14,575	9,705	9,648	9,529
Canada:								
Atlantic coast—								
Entered	1,355	1,479	1,092	1,201	1,309	1,452	1,661	1,774
Cleared	1,454	1,594	1,007	1,331	1,479	1,578	1,749	1,823
British Columbia—								
Entered	1,508	2,539	3,117	4,571	5,711	5,687	6,574	7,175
Cleared	1,509	2,589	3,094	4,573	6,121	5,805	6,546	6,859
Central America:								
Entered	799	1,879	1,535	1,734	2,031	2,410	2,454	2,540
Cleared	830	2,121	1,610	1,640	2,159	2,553	2,725	2,934
Mexico:								
Entered	856	1,789	3,788	8,160	4,759	3,349	2,165	2,034
Cleared	745	1,847	3,727	8,391	4,905	3,145	2,185	2,132
British West Indies and British Honduras:								
Entered	1,001	1,038	564	1,351	1,607	1,829	1,864	1,916
Cleared	982	1,181	642	1,435	1,881	2,038	2,027	2,241
Cuba:								
Entered	2,018	3,030	3,450	4,769	5,615	5,476	5,430	6,693
Cleared	1,766	2,449	3,560	4,659	5,610	5,306	5,277	6,771
Dominican Republic:								
Entered	111	179	345	380	517	616	771	826
Cleared	94	200	404	449	587	791	1,047	1,070
Haiti:								
Entered	106	123	108	105	175	183	224	287
Cleared	81	124	186	230	195	181	181	249
Argentina:								
Entered	207	792	633	1,006	1,224	1,161	763	873
Cleared	328	619	762	707	1,140	998	1,004	1,029
Brazil:								
Entered	587	1,131	550	552	631	681	1,080	1,077
Cleared	253	558	841	913	1,568	1,194	1,208	1,247
Chile:								
Entered	206	462	853	975	1,307	1,190	1,438	1,580
Cleared	138	327	797	793	896	1,006	1,221	1,157
Colombia:								
Entered	195	199	231	144	511	792	1,064	1,112
Cleared	172	196	213	226	479	1,007	1,249	1,051
British East Indies:								
Entered	238	329	347	576	782	808	773	884
Cleared	107	131	204	330	392	462	379	396

No. 504.—Net Tonnage of Vessels Entered and Cleared at Seaports in Foreign Trade: By Countries of Origin and Destination—Contd.

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926	1927	1928	1929
China, Hong Kong, and Kwantung:								
Entered	346	442	519	959	1,019	876	1,028	1,181
Cleared	389	391	479	963	898	846	1,034	992
Japan:								
Entered	441	646	733	1,607	2,149	2,264	2,496	2,481
Cleared	351	542	796	2,106	2,901	2,958	3,438	3,443
Philippine Islands:								
Entered	63	85	132	408	634	584	530	626
Cleared	93	144	124	350	499	484	537	503
British Australasia:								
Entered	256	238	379	509	823	866	930	1,023
Cleared	413	534	567	946	1,435	1,518	1,385	1,476
All other countries:								
Entered	2,117	2,725	2,094	3,165	4,989	4,966	6,820	8,441
Cleared	1,788	2,240	1,938	3,149	5,216	5,301	7,476	8,520

No. 505.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Nationality of Vessel

Note.—**In thousands of net tons.** Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 502 and 503 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, Table 504

	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926	1927	1928	1929
Total by sea:								
Entered	**26,362**	**35,212**	**37,804**	**52,959**	**63,759**	**58,921**	**62,809**	**66,853**
Cleared	**26,206**	**34,965**	**39,417**	**53,578**	**65,583**	**59,759**	**63,331**	**67,030**
American:								
Entered	4,044	4,753	13,327	22,526	21,092	22,001	22,991	25,208
Cleared	4,023	4,778	14,171	22,556	22,234	22,078	23,180	25,045
Total foreign:								
Entered	22,318	30,459	24,276	30,433	42,668	36,920	39,818	41,645
Cleared	22,182	30,186	25,245	31,022	43,349	37,681	40,151	41,985
Belgian:								
Entered	262	412	269	332	483	353	307	312
Cleared	269	404	283	343	464	351	342	340
British:								
Entered	13,564	17,901	14,168	16,807	22,834	18,820	19,435	20,175
Cleared	13,422	17,814	14,755	17,064	23,010	19,065	19,559	20,193
Danish:								
Entered	398	472	774	929	1,155	1,098	1,185	1,184
Cleared	398	450	795	928	1,175	1,106	1,238	1,271
Dutch:								
Entered	667	1,004	1,007	1,300	1,754	1,648	1,735	1,761
Cleared	661	1,007	1,055	1,292	1,748	1,650	1,759	1,775
French:								
Entered	636	997	876	1,492	1,744	1,768	1,905	1,869
Cleared	642	990	919	1,518	1,753	1,849	1,943	1,913
German:								
Entered	3,160	4,362	107	847	1,809	2,109	2,676	3,062
Cleared	3,171	4,300	79	870	1,885	2,185	2,713	3,224
Italian:								
Entered	542	821	1,211	1,490	2,759	1,979	2,081	2,128
Cleared	538	850	1,366	1,569	2,796	2,026	1,973	2,072
Japanese:								
Entered	127	353	1,099	2,059	2,285	2,439	2,750	2,823
Cleared	107	244	1,046	2,235	2,531	2,602	2,831	2,780
Norwegian:								
Entered	1,941	2,679	2,744	2,817	3,872	3,482	4,143	4,393
Cleared	1,946	2,684	2,822	2,784	3,979	3,517	4,221	4,485
Spanish:								
Entered	424	413	606	480	880	486	467	530
Cleared	420	398	637	487	881	521	484	535
Swedish:								
Entered	62	70	353	564	888	900	945	1,069
Cleared	65	70	387	566	907	936	977	1,081
All other foreign:								
Entered	535	975	1,062	1,317	2,205	1,838	2,129	2,339
Cleared	542	977	1,122	1,366	2,221	1,873	2,108	2,316

Source of Tables 504 and 505: Bureau of Foreign and Domestic Commerce.

No. 506.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—**All figures except percentages expressed in millions of dollars.** Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter

Yearly average or year	Exports (including reexports)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By land vehicles [1]	Total	Total by water	In American vessels	In foreign vessels	By land vehicles [1]	Exports	Imports
1830 [2]	74	74	64	10	(3)	71	71	66	5	(3)	86.6	93.1
1840 [2]	132	132	106	27	(3)	107	107	93	14	(3)	80.0	87.6
1850 [2]	152	152	100	52	(3)	178	178	140	39	(3)	65.5	78.4
1860 [2]	400	400	279	121	(3)	362	362	228	134	(3)	70.0	63.0
1870 [2]	451	451	170	281	(3)	462	462	153	309	(3)	37.7	33.1
1871–1875 [2]	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876–1880 [2]	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881–1885	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886–1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891–1895	892	851	73	778	42	785	748	125	623	38	8.6	16.7
1896–1900	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901–1905	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906–1910	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911–1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915–1920 [4]	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921–1925	4,397	3,788	1,405	2,383	609	3,450	3,013	3,978	2,035	5,437	37.1	32.5
1916	5,483	4,820	665	4,155	663	2,392	2,157	532	1,625	234	13.8	24.7
1917	6,234	5,403	946	4,457	830	2,953	2,590	733	1,857	362	17.5	28.3
1918	6,149	5,226	986	4,240	923	3,031	2,577	717	1,860	454	18.9	27.8
1919	7,920	7,090	2,596	4,494	831	3,904	3,414	1,228	2,186	491	36.6	36.0
1920	8,228	7,252	3,165	4,087	976	5,279	4,731	1,988	2,743	548	43.6	42.0
1921	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	[1] 322	36.1	35.0
1922	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
1924	4,591	4,010	1,532	2,478	[1] 581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	59	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,097	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2
1928	5,128	4,277	1,472	2,804	851	4,091	3,550	1,133	2,418	541	34.4	31.9
1929	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34.4	31.6

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 [2]	145	130	15	89.7	1916	6,977	1,197	5,780	17.2
1840 [2]	239	198	41	82.3	1917	7,994	1,679	6,315	21.0
1850 [2]	330	239	91	72.5	1918	7,803	1,703	6,100	21.8
1860 [2]	762	507	255	66.5	1919	10,504	3,824	6,680	36.4
1870 [2]	913	323	590	35.6	1920	11,983	5,153	6,830	43.0
1871–1875 [2]	1,162	326	835	30.6	1921	6,075	2,167	3,908	35.7
1876–1880 [2]	1,206	289	917	23.9	1922	5,985	2,183	3,803	36.5
1881–1885	1,419	229	1,190	16.2	1923	6,850	2,398	4,453	35.0
1886–1890	1,398	198	1,200	14.1	1924	7,155	2,544	4,611	35.7
1891–1895	1,598	198	1,400	12.4	1925	7,940	2,624	5,316	33.0
1896–1900	1,784	179	1,605	10.0	1926	7,941	2,596	5,345	34.0
1901–1905	2,225	220	2,005	9.9	1927	7,759	2,649	5,110	34.1
1906–1910	2,838	287	2,552	10.1	1928	7,827	2,605	5,222	33.3
1911–1915	3,639	385	3,254	10.6	1929	8,129	2,692	5,437	33.1
1915–1920 [4]	8,673	2,534	6,140	29.2					
1921–1925	6,801	2,383	4,418	35.0					

[1] Exports include parcel post beginning 1924; imports, beginning 1921.
[2] Includes gold and silver coin and bullion to 1879, inclusive.
[3] Included in American and foreign vessels.
[4] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 507.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE BY METHOD OF CARRIAGE, AND NATIONALITY OF VESSEL

NOTE.—All figures in thousands of dollars. All data for calendar years

	1914	1920	1922	1925	1926	1927	1928	1929
Exports, excluding reexports	2,071,068	8,080,481	3,765,091	4,618,722	4,711,721	4,758,864	5,030,099	5,157,083
American vessels	186,926	3,116,440	1,248,736	1,458,199	1,387,814	1,419,967	1,459,913	1,475,569
Foreign vessels:								
Belgian	7,763	76,370	25,369	37,792	30,163	33,599	36,825	31,345
British	1,011,691	2,587,813	1,147,027	1,423,507	1,340,361	1,333,325	1,341,764	1,348,593
Danish	(1)	71,841	53,348	94,980	81,107	94,650	93,654	90,986
Dutch	83,895	157,957	91,486	166,413	168,084	172,705	164,090	163,326
French	70,037	166,126	111,539	137,218	132,300	121,166	123,183	120,237
German	158,640	9,671	54,702	163,767	168,304	221,028	252,283	268,807
Italian	44,544	215,441	94,707	146,858	124,631	114,792	143,614	122,733
Japanese	23,957	208,876	158,416	173,205	163,492	144,140	158,532	163,847
Norwegian	89,821	236,696	132,729	172,324	177,310	197,300	236,005	266,073
Spanish	(1)	113,291	55,878	62,167	62,788	48,796	50,505	48,638
Swedish	(1)	54,074	34,051	53,598	73,542	78,932	83,504	83,186
All other	126,611	130,515	32,096	89,975	91,167	69,512	86,338	94,456
Total foreign	1,616,959	4,028,671	1,991,348	2,721,804	2,619,229	2,629,915	2,770,298	2,808,228
Parcel post				26,052	27,977	27,785	29,014	26,656
Cars and other land vehicles	267,173	935,370	525,007	612,667	676,701	681,197	770,873	846,630
Imports	1,789,276	5,278,481	3,112,747	4,226,589	4,430,888	4,184,742	4,091,444	4,399,361
American vessels	216,199	1,987,861	921,054	1,151,242	1,194,995	1,214,827	1,132,598	1,205,008
Foreign vessels:								
Belgian	24,404	24,736	10,342	10,211	13,839	12,063	11,309	11,867
British	808,344	1,600,697	974,273	1,384,926	1,366,926	1,133,818	1,120,985	1,163,519
Danish	(1)	40,767	51,863	54,142	49,131	58,943	57,452	48,084
Dutch	90,840	187,478	99,554	122,278	151,499	141,500	135,495	144,137
French	82,945	141,181	140,112	147,809	160,865	151,833	140,621	145,788
German	151,613	14	27,755	85,945	139,517	162,508	199,154	243,318
Italian	39,796	60,618	45,254	70,663	78,483	75,639	65,170	68,400
Japanese	57,545	454,180	212,203	390,393	382,236	404,540	377,108	437,914
Norwegian	82,679	111,811	147,689	164,095	167,684	154,068	150,157	164,409
Spanish	(1)	36,148	11,220	15,886	29,933	20,897	16,926	17,710
Swedish	(1)	27,663	21,975	36,102	51,072	54,933	50,173	50,837
All other	77,410	57,959	40,764	82,624	104,635	75,826	93,085	100,035
Total foreign	1,415,576	2,743,252	1,783,004	2,565,074	2,695,820	2,446,567	2,417,633	2,602,017
Parcel post			98,375	125,133	129,161	111,501	110,153	123,309
Cars and other land vehicles	157,501	547,368	310,314	385,140	410,912	411,846	431,061	469,027

[1] Included in "All other."

Source: Bureau of Foreign and Domestic Commerce.

22.—FOREIGN COMMERCE OF THE UNITED STATES

[All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. The geographic area covered by these statistics, except as noted, is the United States customs area which includes Alaska, Hawaii, and Porto Rico. See headnote, Table 509. Other explanations of the trade tables are given in the introduction to the Annual Commerce and Navigation of the United States]

No. 508.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Figures for 1911–1915 cover fiscal years; thereafter calendar years are shown

[All figures in thousands of dollars]

	1911–1915, average	1916–1920,[1] average	1921–1925, average	1926	1927	1928	1929
Merchandise:							
Exports	2,370,539	6,521,190	4,397,026	4,808,660	4,865,375	5,128,356	5,240,995
United States merchandise	2,331,648	6,416,513	4,310,221	4,711,721	4,758,864	5,030,099	5,157,093
Reexports of foreign merchandise	38,891	104,677	86,805	96,939	106,512	98,258	83,912
General imports	1,712,319	3,358,354	3,450,103	4,430,888	4,184,742	4,091,447	4,399,361
Excess of exports	658,220	3,162,836	946,924	377,772	680,633	1,036,912	841,634
Gold:							
Exports	83,173	233,248	82,739	115,708	201,455	560,759	116,583
United States gold	81,151	255,867	81,183	114,094	201,241	555,386	116,431
Foreign gold	2,022	7,382	1,557	1,614	214	5,373	152
Imports	85,969	382,022	347,425	213,504	207,535	168,897	291,649
Excess of exports (+) or imports (−)	−2,796	−148,773	−264,686	−97,796	−6,080	+391,862	−175,066
Silver:							
Exports	61,432	143,447	79,174	92,258	75,625	87,382	83,407
United States silver	56,864	127,414	52,662	74,558	60,315	64,329	62,838
Foreign silver	4,568	16,034	26,512	17,700	15,310	23,053	20,569
Imports	38,739	64,217	69,409	69,596	55,074	68,117	63,940
Excess of exports (+) or imports (−)	+22,693	+79,231	+9,765	+22,662	+20,551	+19,265	+19,467
Excess of exports (+) or imports (−) of merchandise, gold and silver	+678,117	+3,093,293	+692,003	+302,638	+695,104	+1,448,039	+886,035
Imports of merchandise for consumption	1,698,029	3,288,839	3,422,748	4,408,076	4,163,090	4,077,937	4,338,572
Entered for immediate consumption	1,518,447	3,075,230	3,050,279	3,948,815	3,719,856	3,655,371	3,925,379
Withdrawn from warehouse	170,582	213,609	372,469	459,261	443,234	422,566	413,193
Free	966,141	2,262,412	2,088,932	2,908,107	2,680,059	2,678,633	2,880,128
Dutiable	731,887	1,028,245	1,333,816	1,499,969	1,483,031	1,399,304	1,458,444
Per cent free	56.89	68.79	61.03	65.97	64.38	65.68	66.38
Duties calculated	283,408	227,035	478,911	590,045	574,839	542,270	584,771
Ratio of duties to total imports for consumption, per cent	16.69	6.90	13.99	13.39	13.81	13.30	13.55
Ratio to dutiable imports	38.72	22.08	35.90	39.34	38.76	38,76	40.11
Entered for warehouse	193,872	283,124	399,824	482,073	464,886	436.073	473,982
Remaining in warehouse, end of period	94,406	249,291	172,859	202,143	207,958	208,766	248,542

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 509.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS

IMPORTANT NOTE.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the "customs area," which includes continental United States, Alaska, Hawaii, and Porto Rico, but not other outlying areas. Consequently trade between continental United States and Alaska, Hawaii, and Porto Rico is not covered by the figures, while trade between these three districts and foreign countries is so included. On the other hand, trade between continental United States (also Alaska, Hawaii, and Porto Rico) and the Philippine and Virgin Islands is covered, being treated as if it were trade with foreign countries. However, neither the trade between continental United States and Guam and American Samoa nor their trade with other countries, is covered. (2) The present table takes continental United States as the basis. In the totals, trade between it and Alaska, Hawaii, and Porto Rico is included while their trade with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30, through 1918; thereafter, for years ended Dec. 31

[All figures in thousands of dollars]

Yearly average or year	Exports [1]			Imports		
	Total	To foreign countries	To United States Territories and possessions	Total	From foreign countries	From United States Territories and possessions
1906–1910	1,829,286	1,761,625	67,661	1,410,329	1,324,594	85,734
1911–1915	2,441,254	2,337,591	103,664	1,811,234	1,681,207	130,027
1916–1920 [2]	6,656,126	6,452,539	203,587	3,596,084	3,274,496	321,588
1921–1925	4,552,455	4,335,341	217,114	3,650,280	3,351,378	298,902
1903	1,447,258	1,410,420	36,838	1,067,420	1,008,531	58,889
1904	1,487,934	1,449,840	38,094	1,031,794	972,663	59,131
1905	1,561,657	1,508,137	43,520	1,173,079	1,097,829	75,250
1906	1,784,527	1,732,860	51,667	1,275,189	1,207,507	67,682
1907	1,932,794	1,865,544	67,250	1,488,894	1,414,055	74,839
1908	1,907,874	1,842,104	65,770	1,264,301	1,175,572	88,729
1909	1,717,172	1,646,784	70,388	1,384,318	1,294,882	89,436
1910	1,804,063	1,720,831	83,232	1,638,942	1,530,956	107,986
1911	2,115,186	2,022,874	92,312	1,607,343	1,499,918	107,425
1912	2,278,732	2,172,434	106,298	1,762,351	1,619,428	142,923
1913	2,539,837	2,429,962	109,875	1,909,427	1,780,538	128,889
1914	2,434,851	2,327,087	107,764	1,980,228	1,865,197	115,031
1915	2,837,666	2,735,597	102,069	1,796,822	1,640,953	155,869
1916	4,420,846	4,302,873	117,973	2,362,645	2,159,598	203,047
1917	6,412,069	6,250,649	161,420	2,856,008	2,603,871	252,137
1918	6,054,232	5,857,167	197,065	3,150,128	2,854,047	296,081
1918 (6 months)	3,222,793	3,138,793	84,000	1,614,762	1,430,878	183,884
1919	8,059,279	7,833,823	225,456	4,125,976	3,821,142	304,834
1920	8,430,474	8,105,660	333,814	5,668,942	5,140,192	528,750
1921	4,620,537	4,427,556	192,981	2,672,013	2,438,856	233,157
1922	3,963,077	3,780,024	183,057	3,282,296	3,035,381	246,915
1923	4,333,730	4,109,344	224,386	4,010,641	3,697,607	313,034
1924	4,761,644	4,521,219	240,425	3,832,148	3,494,159	337,989
1925	5,083,287	4,838,565	244,722	4,455,787	4,090,887	364,900
1926	4,991,768	4,729,811	261,957	4,669,318	4,303,302	366,016
1927	5,056,956	4,785,482	271,474	4,421,181	4,047,124	374,057
1928	5,311,007	5,038,692	272,314	4,349,314	3,951,050	398,264
1929	5,425,966	5,147,291	278,675	4,625,910	4,251,874	374,036

[1] Exports include both United States merchandise and reexports of foreign merchandise.
[2] Period July 1, 1915, to Dec. 31, 1920.

No. 510.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production excludes duplications and seeds. Value added to materials by manufacture is used to represent manufacturing. Value of mine products in 1909 and 1919 are census figures while estimates for other years are based on data of the Bureau of Mines. As the figures are not adjusted for price changes the increase or decrease in absolute values from period to period should be disregarded

[Amounts in millions of dollars]

Year	Agricultural products	Manufactures	Mining	Freight receipts (railroad)	Total	Exports, United States merchandise	Per cent of total
1899	3,355	4,831	600	[1] 981	9,767	1,253	12.8
1904	4,262	6,294	860	[1] 1,415	12,821	1,426	11.1
1909	6,472	8,529	1,238	[1] 1,801	18,040	1,701	9.4
1914	8,165	9,675	1,450	[1] 2,082	21,372	2,071	9.7
1919	17,677	24,748	3,158	3,625	49,208	7,750	15.7
1921	10,268	18,327	2,900	4,004	35,499	4,379	12.3
1923	12,382	25,846	4,300	4,712	47,240	4,091	8.7
1925	13,034	26,771	4,100	4,648	48,553	4,819	9.9
1927	[2] 13,000	27,585	4,000	4,729	49,314	4,759	9.7

[1] Mean of preceding and following fiscal year. [2] Approximate.

No. 511.—EXPORTS OF MANUFACTURED GOODS IN RELATION TO TOTAL PRODUCTION

NOTE.—The value of materials excluding duplication is necessarily an approximation and hence is expressed as a maximum and minimum. As the figures are not adjusted for price changes the absolute increase or decrease from period to period should be disregarded

[Amounts in millions of dollars]

Year	Value of product			Exports of United States merchandise	
	Materials, excluding duplication	Value added by manufacture	Total net value	Amount	Per cent
All manufactures:					
1899	2,300–2,800	4,831	7,100–7,600	745	9.8–10.5
1904	3,100–3,700	6,294	9,400–10,000	863	8.6–9.2
1909	4,300–5,200	8,529	12,800–13,700	1,001	7.3–7.8
1914	5,300–6,500	9,675	15,000–16,200	1,505	9.3–10.0
1919	12,500–14,500	24,748	37,250–39,250	5,449	13.9–14.6
1921	8,000–9,400	18,327	26,300–27,700	2,722	9.8–10.3
1923	11,500–13,200	25,846	37,350–39,050	2,625	6.7–7.0
1925	11,900–13,600	26,771	38,700–40,400	3,079	7.6–8.0
1927	11,750–13,460	27,585	39,300–41,000	3,145	7.7–8.0
Foodstuffs manufactures:					
1899	1,300–1,500	415	1,700–1,900	312	16.4–18.4
1904	1,700–2,000	540	2,250–2,550	296	11.6–13.2
1909	2,200–2,700	750	2,950–3,450	281	8.1–9.5
1914	2,700–3,300	1,036	3,750–4,350	374	8.6–10.0
1919	7,100–8,300	2,434	9,500–10,700	1,963	18.3–20.7
1921	4,100–4,800	2,084	6,200–6,900	685	9.9–11.0
1923	4,750–5,500	2,460	7,200–7,950	583	7.3–8.1
1925	5,300–6,100	2,663	7,950–8,750	574	6.6–7.2
1927	5,500–6,300	2,885	8,400–9,200	463	5.0–5.5
Other manufactures:					
1899	1,000–1,300	4,416	5,400–5,700	433	7.6–8.0
1904	1,400–1,700	5,754	7,150–7,450	567	7.6–7.9
1909	2,100–2,500	7,779	9,850–10,250	720	7.0–7.3
1914	2,600–3,200	8,639	11,250–11,850	1,131	9.5–10.1
1919	5,400–6,200	22,314	27,750–28,550	3,486	12.2–12.6
1921	3,900–4,600	16,233	20,100–20,800	2,037	9.8–10.1
1923	6,750–7,700	23,386	30,150–31,100	2,042	6.6–6.8
1925	6,600–7,500	24,108	30,750–31,650	2,505	7.9–8.1
1927	6,250–7,150	24,700	30,900–31,800	2,682	8.4–8.7

No. 512.—INDEXES OF CHANGES IN QUANTITY, PRICE, AND VALUE OF IMPORTS AND EXPORTS OF UNITED STATES MERCHANDISE

NOTE:—The purpose of these indexes is to eliminate the effect of price changes upon the total value of trade. They have been constructed by the so-called ideal formula, the essential feature of which is the use as weighting factors of the mean of the values of the several articles during each pair of years compared. For many commodities no quantitative data are available and for others the quantities lack significance because of variation in grades, size, and styles. About 180 commodities were included in the direct calculations for exports and 160 in those for imports, representing somewhat over two-thirds of the total value. It was then assumed that the prices of articles not directly covered had moved in parallel with those of articles covered save only that in making the adjustment the effect of abnormal price movements of heavily weighted commodities was first eliminated. In constructing the indexes, data for 1919 were linked directly to 1913 and each subsequent year was compared with that preceding. The resulting percentages were made into a series by the chain method

Yearly average or year	Exports of U. S. merchandise			Imports			Domestic wholesale price index
	Quantity	Price	Value	Quantity	Price	Value	
1913 taken as 100:							
1913	100	100	100	100	100	100	100
1910–1914 [1]	[2] 89	(2)	87	(2)	(2)	94	98
1921–1925	123	144	176	151	126	192	142
1919	142	223	317	125	174	218	199
1920	137	241	330	139	213	294	221
1921	120	150	179	120	117	140	140
1922	112	138	154	154	113	174	139
1923	115	146	167	161	132	212	144
1924	130	143	184	156	129	201	141
1925	137	144	197	166	142	236	148
1926	146	133	192	178	139	247	143
1927	158	124	194	180	130	233	137
1928	165	125	206	181	126	228	140
1929	169	125	211	207	119	245	138
1923–1925 taken as 100:							
1913	79	69	55	62	75	46	69
1910–1914 [1]	[2] 70	(2)	48	(2)	(2)	44	68
1921–1925	96	100	96	94	94	89	99
1919	112	155	173	78	130	101	138
1920	108	167	181	86	158	136	153
1921	94	104	98	75	87	65	97
1922	88	95	84	96	84	80	97
1923	90	101	92	100	98	98	100
1924	102	99	101	97	96	93	97
1925	108	100	108	103	106	109	103
1926	115	92	105	110	104	114	99
1927	124	86	107	112	96	108	95
1928	130	86	113	113	94	106	97
1929	133	87	115	129	88	114	96

[1] Fiscal years.
[2] Indexes not calculated for 1910–1914. The quantity index of exports is estimated by assuming that the relation of export prices in 1910–1914 to 1913 was the same as that for domestic prices.

No. 513.—EXPORTS AND IMPORTS OF GOLD AND SILVER: BY MONTHS

[All figures in thousands of dollars]

Month	Gold						Silver					
	1927		1928		1929		1927		1928		1929	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	14,890	59,355	52,086	38,320	1,378	48,577	7,388	5,151	6,692	6,305	8,264	8,260
February	2,414	22,309	25,806	14,686	1,425	26,913	6,233	3,849	7,479	4,658	6,595	4,468
March	5,625	16,382	97,536	2,683	1,635	26,470	6,077	4,308	7,405	5,134	7,814	6,435
April	2,592	14,503	96,469	5,319	1,694	24,687	6,824	3,815	6,587	4,888	5,752	3,957
May	2,510	34,212	83,089	1,968	467	24,098	6,026	5,083	6,712	4,247	7,485	4,602
June	1,840	14,611	99,932	20,001	550	30,762	5,444	4,790	7,456	6,221	5,445	5,022
July	1,803	10,738	74,190	10,331	807	35,525	6,650	4,288	6,160	6,544	6,795	4,723
August	1,524	7,877	1,698	2,445	881	19,271	5,590	4,856	9,246	6,496	8,522	7,345
September	24,444	12,979	3,810	4,273	1,205	18,781	6,627	4,992	6,229	5,739	4,374	4,111
October	10,698	2,056	992	14,331	3,805	21,321	5,945	5,069	7,252	7,319	7,314	5,403
November	55,266	2,082	22,916	29,591	30,289	7,123	5,634	5,102	7,674	5,448	8,678	5,144
December	77,849	10,431	1,636	24,950	72,547	8,121	7,186	3,770	8,489	5,120	6,369	4,479

No. 514.—GOLD UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES

NOTE.—Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked in such a manner as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal

[All figures in thousands of dollars]

Year	Increase or decrease during year of gold under earmark [1]	Month	Amount under earmark at end of month					
			1916	1917	1918	1919	1920	1921
1917	+845	January		6,097	6,942	6,942	6,000	18,010
1918		February		6,097	6,942	6,942	5,000	20,000
1919	−1,942	March	2,391	6,097	6,942	6,842	6,000	20,000
1920	+17,000	April	4,571	6,097	6,942		9,000	20,000
1921	−22,000	May	4,571	6,097	6,942		10,000	20,000
1922	+3,700	June	5,071	6,097	6,942		11,500	23,000
1923	−700	July	5,402	6,097	6,942		14,500	18,000
1924	+42,213	August	5,502	6,778	6,942		16,500	18,000
1925	−32,244	September	5,955	6,942	6,942		17,500	8,000
1926	+20,297	October	5,981	6,942	6,942	3,000	20,000	
1927	+160,153	November	5,981	6,942	6,942	4,000	20,500	
1928	−119,522	December	6,097	6,942	6,942	5,000	22,000	
1929	+55,398							

Month	Amount under earmark at end of month							
	1922	1923	1924	1925	1926	1927	1928	1929
January		5,329	3,000	40,023	19,012	19,779	193,919	144,898
February		1,000	2,407	47,389	30,012	16,599	191,051	144,898
March		1,000	4,859	54,214	53,000	18,101	155,251	137,391
April			5,417	39,304	53,000	19,101	109,511	88,821
May			4,417	26,639	53,000	114,101	136,050	72,694
June			2,417	21,564	53,580	114,601	105,997	80,207
July		1,500	5,000	25,465	49,580	114,417	45,050	102,194
August		1,500	12,984	16,740	30,380	116,918	39,134	103,194
September		1,000	26,213	15,339	32,780	125,918	40,334	109,795
October	1,500	3,000	43,213	12,960	32,776	150,919	39,134	114,296
November	1,700	3,000	43,713	10,960	40,274	190,919	64,136	113,292
December	3,700	3,000	45,213	12,969	39,266	199,419	79,897	135,295

[1] Increase is the equivalent of net export and decrease the equivalent of net import.

Source: Federal Reserve Board.

No. 515.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE: BY MONTHS

[All figures in millions and tenths of millions of dollars]

Month	1901		1902		1903		1904		1905		1906	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	136.3	69.3	129.1	79.1	134.0	86.2	142.0	82.6	123.6	98.3	170.6	106.5
February	113.0	64.5	101.6	68.4	125.6	82.6	118.8	89.0	106.9	103.1	141.8	104.2
March	124.5	75.9	106.7	84.2	132.1	96.2	119.9	91.3	137.0	110.4	145.5	113.6
April	120.8	76.7	109.2	75.8	109.8	87.7	109.9	83.5	128.6	95.1	144.4	107.3
May	124.6	78.6	102.3	75.7	100.9	79.0	89.9	80.7	123.8	92.5	130.5	104.9
June	102.8	68.4	89.2	73.1	95.2	82.0	93.2	81.2	121.2	90.4	125.0	100.8
July	106.5	73.1	88.8	79.1	91.8	82.2	85.2	71.2	107.9	84.5	111.7	102.0
August	108.0	73.1	94.9	78.9	89.4	82.0	92.3	87.7	117.7	95.8	129.8	105.7
September	107.0	66.8	121.2	87.7	110.4	81.8	134.3	84.1	136.0	102.0	138.5	102.6
October	145.7	81.4	144.3	87.4	160.4	81.9	162.5	92.8	154.4	107.4	187.4	118.1
November	136.5	72.6	125.2	85.4	160.3	77.0	158.1	95.2	170.3	98.3	182.7	119.8
December	136.9	70.9	148.0	94.4	174.8	77.8	145.3	96.6	199.7	101.1	190.4	134.3

Month	1907		1908		1909		1910		1911		1912	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	189.3	126.6	206.1	85.0	156.7	103.6	144.5	133.7	197.1	130.6	202.4	143.6
February	159.5	123.0	167.8	84.8	126.1	118.7	124.6	130.1	176.0	121.7	198.8	134.2
March	161.7	133.1	141.6	89.1	139.3	132.9	143.7	163.0	161.9	139.0	205.4	157.6
April	157.5	129.6	133.4	87.4	125.2	122.2	133.1	133.9	158.0	119.8	179.3	162.0
May	134.8	126.5	113.6	84.0	123.3	116.1	131.1	118.8	153.2	129.8	175.4	155.7
June	137.7	112.5	115.4	92.1	117.4	124.7	127.9	119.9	141.7	122.8	138.2	131.0
July	128.5	124.6	103.2	86.4	109.3	112.5	114.6	117.3	127.7	118.1	148.9	148.7
August	127.3	125.8	110.4	91.2	109.8	117.1	134.7	138.4	144.2	125.9	167.8	154.8
September	135.3	106.4	139.3	98.4	154.0	121.0	168.9	117.3	195.8	125.2	199.7	144.8
October	180.3	111.9	172.0	102.0	200.7	127.7	207.7	124.0	210.4	132.6	254.6	178.0
November	204.5	110.9	161.3	103.9	194.0	140.5	206.6	129.8	201.8	126.2	278.2	153.1
December	207.1	92.2	188.8	111.9	172.5	138.7	229.0	136.7	224.9	140.7	250.3	154.1

Month	1913		1914		1915		1916		1917		1918	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	227.0	163.1	204.1	154.7	267.9	122.1	330.0	184.4	613.3	241.8	504.8	233.9
February	194.0	149.9	173.9	148.0	209.8	125.1	401.8	193.9	467.6	199.5	411.4	207.7
March	187.4	155.4	187.5	182.6	296.6	155.0	410.7	213.6	554.0	270.3	522.9	242.2
April	199.8	146.2	162.6	173.8	294.7	160.6	398.6	218.2	529.9	253.9	500.4	279.0
May	194.6	133.7	161.7	164.3	274.2	142.3	474.8	229.2	549.7	280.7	650.9	322.9
June	163.4	131.2	157.1	157.5	268.5	157.7	464.7	245.8	573.5	306.6	483.8	260.4
July	161.0	139.1	154.1	159.7	268.5	143.2	444.7	182.7	372.8	225.8	507.5	241.9
August	187.9	137.7	110.4	129.8	260.6	141.8	510.2	199.3	488.7	267.9	527.0	273.0
September	218.2	171.1	156.1	139.7	300.7	151.2	514.9	164.0	454.5	236.2	550.4	261.7
October	271.9	132.9	194.7	138.1	336.2	149.2	492.8	178.7	542.1	221.2	501.9	246.8
November	245.5	148.2	205.9	126.5	327.7	155.5	516.2	177.0	487.3	220.5	522.2	251.0
December	233.2	184.0	245.6	114.7	359.3	171.8	523.2	204.8	000.1	227.9	565.0	210.9

Month	1919		1920		1921		1922		1923		1924	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	622.0	213.0	722.1	473.8	654.3	208.8	278.8	217.2	335.4	329.3	395.2	295.5
February	585.1	235.1	645.1	407.4	486.5	214.5	250.6	215.7	307.0	303.4	365.8	332.3
March	603.1	267.6	819.6	523.9	386.7	252.0	330.0	256.2	341.4	398.0	339.8	320.5
April	714.8	273.0	684.3	495.7	340.5	254.6	318.5	217.0	325.5	364.3	346.9	324.3
May	604.0	328.9	745.5	431.0	329.7	204.9	307.6	252.8	316.4	372.5	335.1	303.0
June	928.4	292.9	629.4	552.6	336.9	185.7	335.1	260.5	320.0	320.2	207.0	274.0
July	568.7	343.7	651.1	537.1	325.2	178.2	301.2	251.8	302.2	287.4	276.6	278.6
August	646.1	307.3	578.2	513.1	366.9	194.8	301.8	281.4	311.0	275.4	330.7	254.5
September	595.2	435.4	604.7	363.3	324.9	179.3	313.2	229.5	381.4	253.6	427.5	287.1
October	631.6	401.8	751.2	333.2	343.3	188.0	370.7	345.1	399.2	308.3	527.2	310.8
November	740.0	424.8	676.5	321.2	294.1	210.9	380.0	291.8	401.5	291.3	493.6	296.1
December	681.4	380.7	720.3	266.1	296.2	237.5	344.3	293.8	426.7	288.3	445.7	333.2

Month	1925		1926		1927		1928		1929		1930	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	446.4	346.2	396.8	416.8	419.4	356.8	410.8	337.9	488.0	368.9	410.8	311.0
February	370.7	333.4	352.9	387.3	372.4	310.9	371.4	351.0	441.8	369.4	348.9	281.7
March	458.7	385.4	374.4	442.9	409.0	378.3	420.6	380.4	489.9	383.8	369.6	300.5
April	398.3	346.1	388.0	397.9	415.4	375.7	366.9	345.3	425.3	410.7	331.8	307.8
May	370.9	327.5	356.7	320.9	393.1	346.5	422.6	354.0	385.0	400.1	319.8	284.7
June	323.3	325.2	338.0	336.3	357.0	354.9	388.7	317.2	393.2	353.4		
July	339.7	326.6	368.3	339.0	341.8	319.3	379.0	317.8	402.9	353.0		
August	379.8	340.1	384.4	336.5	374.8	368.9	379.0	346.7	380.6	369.4		
September	420.4	350.0	448.1	343.2	425.3	342.2	421.6	310.0	437.2	351.3		
October	490.0	374.1	455.3	376.9	488.7	355.7	550.0	355.4	528.5	391.1		
November	447.8	376.4	480.3	373.9	460.9	344.3	544.9	326.6	442.3	338.5		
December	468.3	396.6	465.4	359.5	407.6	331.2	475.8	339.4	426.6	309.8		

No. 516.—ESTIMATED BALANCE OF INTERNATIONAL PAYMENTS OF THE UNITED STATES

NOTE.—**All figures in millions of dollars.** Many items included in this statement are very rough estimates. For full explanations of the items see "The Balance of International Payments of the United States in 1929" Trade Information Bulletin No. 698 of the Bureau of Foreign and Domestic Commerce

Classes of international transactions	1928 (revised)			1929		
	Credits	Debits	Balance	Credits	Debits	Balance
COMMODITY TRADE						
Merchandise exports and imports (as reported)	5,128	4,091	+1,037	5,241	4,400	+841
Silver	87	68	+19	83	64	+19
Bunker coal and oil sales to foreign vessels	50	11	+39	46	11	+35
Ship chandling, ship repairs, and tonnage dues	45	34	+11	54	37	+17
Other merchandise adjustments	23	279	−256	66	244	−178
Total commodity trade (as adjusted)	5,333	4,483	+850	5,490	4,756	+734
MISCELLANEOUS INVISIBLE ITEMS						
Freight payments and receipts:						
Oversea and Great Lakes traffic	133	167	−34	142	208	−66
Railway earnings on transit shipments	14	40	−26	12	40	−28
Foreign inland freight on United States imports		20	−20		21	−21
Tourist expenditures:						
Canada	82	256	−174	91	284	−193
Mexican border and overseas (incl. West Indies)	81	548	−467	89	555	−466
Ocean-borne passenger traffic	89		+89	94		+94
Earnings of long-term private investments:						
Received from American investments abroad	817		+817	876		+876
Paid to foreign investors in the United States		252	−252		270	−270
Earnings of short-term interest and commissions:						
Collected from foreigners abroad	76		+76	100		+100
Paid to foreigners abroad		107	−107		144	−144
Immigrant remittances	25	250	−225	24	247	−223
War-debt receipts of United States Treasury:						
Interest	160	3	+157	150	5	+145
Principal	50		+50	62		+62
Other United States Government receipts and payments, and foreign representations here	53	110	−57	60	152	−92
Missionary and charitable contributions, etc		51	−51		49	−49
Motion-picture royalties	70	6	+64	70	6	+64
Insurance transactions	70	70		70	70	
Miscellaneous minor items	48	88	−40	52	91	−39
Total commodity and miscellaneous items	7,101	6,451	+650	7,382	6,898	+484
MOVEMENT OF PRIVATE LONG-TERM CAPITAL						
New American investments abroad:						
1. Foreign securities publicly offered (par)		1,484	−1,484		696	−696
2. Deduct for "estimated refunding to Americans"	238		+238	35		+35
3. Deduct for American underwriters' commissions	59		+59	15		+15
4. Deduct for securities issued below par	63		+63	11		+11
5. Add new "direct investments" abroad by Americans		378	−378		335	−335
6. Add foreign stocks and bonds bought from foreigners in small lots		556	−556		588	−588
Reductions of previous American investments abroad:						
7. Bond-redemption and sinking-fund payments received from foreigners	361		+361	276		+276
8. Resale to foreigners of direct investments	50		+50	58		+58
9. Foreign stocks and bonds resold to foreigners	451		+451	442		+442
New foreign investments in the United States:						
10. Direct investments	70		+70	31		+31
11. American stocks and bonds sold to foreigners	1,503		+1,503	1,537		+1,537
Reductions of previous foreign investments in the United States:						
12. Redemption and sinking-fund payments to foreigners		70	−70		77	−77
13. Purchase of American properties from foreigners					15	−15
14. American stocks and bonds bought back from foreigners		1,015	−1,015		1,080	−1,080
Total private, long-term capital items	2,795	3,503	[1] −708	2,405	2,791	[1] −386
Net change in international banking accounts, as revealed by questionnaire		226	−226	+13		+13
Gold shipments	561	169	+392	117	292	−175
Changes in ear-marked gold	68	188	−120	128	73	+55
Grand total, all items	10,525	10,537	−12	10,045	10,054	−9

[1] Estimated "net export of long-term private capital."

No. 517.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—All figures in thousands of dollars. Specie values. Figures are for fiscal years ended Sept. 30, 1791 to 1842, and June 30, 1843 to 1915, subsequently for calendar years. For calendar years 1900–1916 and fiscal years 1916–1929, see Supplemental Table 519. For total exports and total imports by years prior to 1885, see Table 520. Figures include gold and silver prior to 1821

Yearly average or year	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (−)
	Total	U. S. merchandise	Reexports			
1791–1800	46,774	27,740	19,034	59,135	105,959	−12,411
1801–1810	74,532	38,178	36,354	92,766	167,298	−18,234
1811–1820	58,689	46,270	12,719	80,812	139,801	−21,823
1821–1830	69,421	53,221	16,200	72,949	142,370	−3,528
1831–1840	103,550	88,168	15,382	119,520	223,070	−15,970
1841–1850 [1]	122,620	114,894	7,727	121,123	243,743	+1,498
1851–1860	248,837	232,233	16,604	284,475	533,302	−35,588
1861–1865	187,811	170,198	17,613	255,439	443,250	−67,628
1866–1870	320,842	307,696	13,146	408,295	729,137	−87,453
1871–1875	501,841	486,128	15,713	577,873	1,079,714	−76,032
1876–1880	676,761	663,650	13,111	492,570	1,169,331	+184,191
1881–1885	791,892	774,607	17,285	667,142	1,459,034	+124,750
1886–1890	738,379	725,685	12,694	717,231	1,455,610	+21,148
1891–1895	892,421	876,326	16,095	785,137	1,677,558	+107,284
1896–1900	1,157,318	1,136,039	21,279	741,519	1,898,837	+415,799
1901–1905	1,453,803	1,427,020	26,783	972,162	2,425,965	+481,641
1906–1910	1,778,697	1,750,980	27,717	1,344,338	3,123,535	+433,859
1911–1915	2,370,539	2,331,648	38,891	1,712,319	4,082,858	+658,220
1915–1920 [2]	6,521,190	6,416,513	104,677	3,358,354	9,879,545	+3,162,836
1921–1925	4,397,026	4,310,221	86,805	3,450,103	7,847,129	+946,924
1885	742,190	726,683	15,507	577,527	1,319,717	+164,663
1886	679,525	665,965	13,560	635,436	1,314,961	+44,089
1887	716,183	703,023	13,160	692,320	1,408,503	+23,863
1888	695,955	683,862	12,093	723,957	1,419,912	−28,002
1889	742,401	730,282	12,119	745,132	1,487,533	−2,731
1890	857,829	845,294	12,535	789,310	1,647,139	+68,519
1891	884,481	872,270	12,211	844,916	1,729,397	+39,565
1892	1,030,278	1,015,732	14,546	827,402	1,857,680	+202,876
1893	847,665	831,031	16,634	866,401	1,714,066	−18,736
1894	892,141	869,205	22,936	654,995	1,547,136	+237,146
1895	807,538	793,393	14,145	731,970	1,539,508	+75,568
1896	882,607	863,201	19,406	779,725	1,662,332	+102,882
1897	1,050,994	1,032,008	18,986	764,730	1,815,724	+286,264
1898	1,231,482	1,210,292	21,190	616,950	1,847,532	+615,432
1899	1,227,023	1,203,931	23,092	697,148	1,924,171	+529,875
1900	1,394,483	1,370,764	23,719	849,941	2,244,424	+544,542
1901	1,487,765	1,460,463	27,302	823,172	2,310,937	+664,593
1902	1,381,719	1,355,482	26,237	903,321	2,285,040	+478,398
1903	1,420,142	1,392,232	27,910	1,025,719	2,445,861	+394,423
1904	1,460,827	1,435,179	25,648	991,087	2,451,914	+469,740
1905	1,518,562	1,491,745	26,817	1,117,513	2,636,075	+401,049
1906	1,743,865	1,717,954	25,911	1,226,562	2,970,427	+517,303
1907	1,880,851	1,853,718	27,133	1,434,421	3,315,272	+446,430
1908	1,860,773	1,834,786	25,987	1,194,342	3,055,115	+666,431
1909	1,663,011	1,638,356	24,655	1,311,920	2,974,931	+351,091
1910	1,744,985	1,710,084	34,901	1,556,947	3,301,932	+188,038
1911	2,049,320	2,013,549	35,771	1,527,226	3,576,546	+522,094
1912	2,204,322	2,170,320	34,002	1,653,265	3,857,587	+551,057
1913	2,465,884	2,428,506	37,378	1,813,008	4,278,892	+652,876
1914	2,364,579	2,329,684	34,895	1,893,926	4,258,505	+470,653
1915	2,768,589	2,716,178	52,411	1,674,170	4,442,759	+1,094,419
1915 (6 months)	1,352,863	1,320,393	32,470	912,787	2,765,650	+940,076
1916	5,482,641	5,422,612	59,999	2,391,635	7,874,276	+3,091,006
1917	6,233,513	6,169,617	63,896	2,952,468	9,185,981	+3,281,045
1918	6,149,088	6,047,875	101,213	3,031,213	9,180,301	+3,117,875
1919	7,920,426	7,749,816	170,610	3,904,365	11,824,791	+4,016,061
1920	8,228,016	8,080,481	147,535	5,278,481	13,506,497	+2,949,535
1921	4,485,031	4,378,028	106,103	2,509,148	6,994,179	+1,975,883
1922	3,831,777	3,765,091	66,686	3,112,747	6,944,524	+719,030
1923	4,167,493	4,090,715	76,778	3,792,066	7,959,559	+375,427
1924	4,590,984	4,497,649	93,335	3,609,963	8,200,947	+981,021
1925	4,909,848	4,818,722	91,125	4,226,589	9,136,437	+683,259
1926	4,808,600	4,711,721	96,939	4,430,888	9,239,548	+377,772
1927	4,865,375	4,758,864	106,512	4,184,742	9,050,117	+680,633
1928	5,128,356	5,030,099	98,258	4,091,444	9,219,800	+1,036,912
1929	5,240,995	5,157,083	83,912	4,399,361	9,640,356	+841,634

[1] Period beginning Oct. 1, 1841, and ending June 30, 1850.

[2] Period July 1, 1915, to Dec. 31, 1920.

No. 518.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—**All figures in thousands of dollars.** As to periods covered see headnote, Table 517. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also. See also Table 519

Yearly average or year	Gold			Silver			Total merchandise, gold, and silver		
	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)
1821–1830	[1]	[1]	[1]	[1] 7,154	[1] 6,914	[1] +239	76,575	79,863	−3,288
1831–1840	2,154	3,394	−1,240	3,530	7,353	−3,823	109,234	130,208	−21,034
1841–1850 [2]	3,222	5,463	−2,241	3,445	3,443	+2	129,288	130,029	−741
1851–1860	46,372	3,762	+42,610	3,130	3,988	−858	208,399	202,226	+6,173
1861–1865	56,814	15,881	+40,933	3,961	3,172	+789	248,586	274,492	−25,906
1866–1870	50,452	12,030	+38,422	20,746	6,608	+14,138	392,040	426,932	−34,892
1871–1875	52,423	11,497	+40,926	31,915	9,673	+22,242	586,179	599,043	−12,864
1876–1880	15,040	26,790	−11,750	22,670	13,182	+9,488	714,470	532,542	+181,928
1881–1885	19,263	40,333	−21,070	22,739	12,108	+10,631	833,894	719,583	+114,311
1886–1890	29,651	26,163	+3,488	31,082	18,045	+13,037	799,112	761,439	+37,673
1891–1895	77,737	39,588	+38,149	38,777	18,935	+19,842	1,008,935	843,659	+165,276
1896–1900	50,703	74,492	−23,699	58,125	31,234	+26,891	1,206,236	847,245	+418,991
1901–1905	64,580	63,152	+1,428	51,318	28,807	+22,511	1,569,701	1,064,122	+505,579
1906–1910	74,500	89,283	−14,783	58,300	44,244	+14,056	1,911,497	1,478,365	+433,132
1911–1915	83,173	85,969	−2,796	61,432	38,739	+22,693	2,515,144	1,837,027	+678,117
1915–1920 [3]	233,248	382,022	−148,773	143,447	64,217	+79,231	6,897,886	3,804,593	+3,093,293
1921–1925	82,739	347,425	−264,686	79,174	69,409	+9,765	4,558,940	3,866,937	+692,003
1895	8,478	26,692	−18,214	33,754	16,551	+17,203	784,421	620,770	+163,651
1896	42,952	20,743	+22,209	29,511	17,850	+11,661	751,988	674,030	+77,958
1897	9,701	42,911	−33,210	26,297	17,260	+9,037	752,181	752,491	−310
1898	18,376	43,934	−25,558	28,038	15,404	+12,634	742,369	783,295	−40,926
1899	59,952	10,285	+49,667	36,689	18,678	+18,011	839,043	774,095	+64,948
1900	17,274	12,943	+4,331	34,874	21,033	+13,841	909,977	823,287	+86,690
1901	86,363	18,233	+68,130	22,591	18,027	+4,564	993,434	881,176	+112,258
1902	50,195	49,699	+496	32,811	19,955	+12,856	1,113,284	897,057	+216,227
1903	108,681	21,174	+87,507	40,737	23,193	+17,544	997,083	910,769	+86,314
1904	76,978	72,449	+4,529	50,451	13,287	+37,164	1,019,570	740,730	+278,840
1905	66,468	36,385	+30,083	47,295	20,211	+27,084	921,302	788,566	+132,736
1906	112,410	33,525	+78,885	60,542	28,777	+31,765	1,055,559	842,027	+213,532
1907	40,362	85,015	−44,653	61,947	30,533	+31,414	1,153,302	880,278	+273,024
1908	15,406	120,392	−104,986	55,105	30,928	+24,177	1,301,994	767,309	+534,625
1909	37,522	88,955	−51,433	56,319	30,675	+25,644	1,320,864	816,778	+504,086
1910	48,267	44,573	+3,694	56,712	35,256	+21,456	1,499,462	929,771	+569,691
1911	53,185	66,051	−12,866	64,285	36,387	+27,898	1,605,235	925,610	+679,625
1912	48,509	52,021	−3,452	49,732	28,232	+21,500	1,480,021	983,574	+496,447
1913	47,091	44,982	+2,109	44,250	24,163	+20,087	1,511,483	1,094,865	+416,618
1914	81,460	99,065	−17,595	49,473	27,769	+21,704	1,591,760	1,117,912	+473,848
1915	92,594	53,649	+38,945	48,849	27,485	+21,364	1,660,005	1,198,647	+461,358
1906	38,574	96,222	−57,648	65,869	44,443	+21,426	1,848,307	1,367,227	+481,080
1907	51,399	114,510	−63,111	56,739	42,947	+13,792	1,988,989	1,591,878	+397,111
1908	72,433	148,337	−75,904	57,921	44,658	+13,263	1,991,127	1,387,337	+603,790
1909	91,532	44,004	+47,528	65,683	43,955	+11,728	1,810,226	1,399,879	+410,347
1910	118,563	43,340	+75,223	55,287	45,217	+10,070	1,918,835	1,645,505	+273,330
1911	22,510	73,607	−51,097	64,750	45,937	+18,813	2,130,580	1,646,770	+489,810
1912	57,328	48,937	+8,391	64,891	47,050	+17,841	2,326,541	1,749,252	+577,289
1913	77,763	69,194	+8,569	71,614	41,269	+30,345	2,615,261	1,923,471	+691,790
1914	112,039	66,539	+45,500	54,965	30,327	+24,638	2,531,583	1,990,791	+540,792
1915	146,224	171,569	−25,345	50,942	29,110	+21,832	2,965,756	1,874,849	+1,090,907
1915 (6 mos.)	23,843	307,030	−283,187	28,750	18,742	+10,008	1,905,456	1,238,559	+666,897
1916	155,793	685,990	−530,197	70,595	32,263	+38,332	5,709,029	3,109,889	+2,599,140
1917	371,884	552,454	−180,570	84,131	53,340	+30,791	6,689,527	3,558,263	+3,131,264
1918	41,070	62,043	−20,973	252,846	71,376	+181,470	6,443,004	3,164,631	+3,278,373
1919	368,185	76,534	+291,651	230,021	89,410	+149,611	8,527,032	4,070,309	+4,457,323
1920	322,091	417,068	−94,977	113,616	88,060	+25,556	8,663,724	5,783,610	+2,880,114
1921	23,891	691,248	−667,357	51,575	63,243	−11,668	4,560,497	3,203,639	+1,296,858
1922	36,875	275,170	−238,295	62,307	70,307	−7,999	3,931,459	3,458,724	+472,735
1923	28,643	322,716	−294,073	72,469	74,454	−1,985	4,268,605	4,189,236	+79,369
1924	61,648	319,721	−258,073	109,891	73,945	−35,946	4,762,523	4,003,628	+758,895
1925	262,640	128,272	+134,367	99,128	64,596	+34,532	5,271,615	4,419,458	+852,157
1926	115,708	213,504	−97,796	92,258	69,596	+22,662	5,016,626	4,713,988	+302,638
1927	201,455	207,535	−6,080	75,625	55,074	+20,551	5,142,455	4,447,351	+695,104
1928	560,759	168,897	+391,862	87,382	68,117	+19,265	5,776,497	4,328,458	+1,448,039
1929	116,583	291,649	+175,066	83,407	63,940	+19,467	5,440,985	4,754,950	+686,035

[1] Data shown under silver are for gold and silver. These were not shown separately prior to 1825.
[2] Period beginning Oct. 1, 1841, and ending June 30, 1850. [3] Period July 1, 1915, to Dec. 31, 1920.

No. 519.—SUPPLEMENT TO TABLES 517 AND 518: CALENDAR YEARS 1900 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1916 TO 1929

[All figures in thousands of dollars]

Year	Merchandise					
	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (−)
	Total	U. S. merchandise	Reexports			
1900	1,477,946	1,453,010	24,936	829,150	2,307,096	+648,796
1901	1,465,376	1,438,079	27,297	880,420	2,345,796	+584,956
1902	1,360,686	1,333,269	27,418	969,317	2,330,003	+391,369
1903	1,484,753	1,457,647	27,106	995,494	2,480,247	+489,259
1904	1,451,319	1,425,711	25,608	1,035,909	2,487,228	+415,410
1905	1,626,991	1,599,423	27,568	1,179,145	2,806,136	+447,846
1906	1,798,243	1,772,716	25,527	1,320,502	3,118,745	+477,742
1907	1,923,426	1,895,356	28,070	1,423,170	3,346,596	+500,256
1908	1,752,835	1,728,670	24,165	1,110,374	2,869,209	+636,461
1909	1,728,199	1,700,722	27,477	1,475,521	3,203,720	+252,678
1910	1,866,259	1,829,023	37,236	1,562,904	3,429,163	+303,355
1911	2,092,527	2,058,413	34,114	1,532,359	3,624,886	+560,168
1912	2,399,218	2,362,696	36,522	1,818,073	4,217,291	+581,145
1913	2,484,018	2,448,284	35,734	1,792,596	4,276,614	+691,422
1914	2,113,624	2,071,058	42,566	1,789,276	3,902,900	+324,348
1915	3,554,671	3,493,231	61,440	1,778,597	5,333,268	+1,776,074
1916	4,333,483	4,272,178	61,305	2,197,884	6,531,367	+2,135,599
1917	6,290,048	6,227,164	62,884	2,659,355	8,949,403	+3,630,693
1918	5,919,711	5,838,652	81,059	2,945,655	8,865,366	+2,974,056
1919	7,232,283	7,081,462	150,821	3,095,720	10,328,003	+4,136,563
1920	8,108,989	7,949,309	159,680	5,238,352	13,347,341	+2,870,637
1921	6,516,510	6,385,884	130,626	3,654,459	10,170,969	+2,862,051
1922	3,771,156	3,699,909	71,247	2,608,079	6,379,235	+1,163,077
1923	3,956,733	3,886,682	70,051	3,780,959	7,737,692	+175,774
1924	4,311,656	4,223,973	87,683	3,554,037	7,865,693	+757,619
1925	4,864,580	4,778,154	86,426	3,824,128	8,688,708	+1,040,452
1926	4,753,382	4,653,148	100,234	4,464,872	9,218,254	+288,509
1927	4,968,100	4,867,346	100,753	4,252,024	9,220,124	+716,076
1928	4,877,071	4,773,332	103,738	4,147,499	9,024,570	+729,572
1929	5,373,407	5,283,938	89,469	4,291,888	9,665,295	+1,081,519

Year	Gold			Silver			Total merchandise, gold and silver		
	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)
1900	54,135	66,749	−12,614	66,222	40,100	+26,122	1,598,303	935,999	+662,304
1901	57,784	54,762	+3,022	55,638	31,147	+24,491	1,578,798	966,329	+612,469
1902	36,031	44,193	−8,162	49,273	26,403	+22,870	1,445,990	1,039,913	+406,077
1903	44,347	65,268	−20,921	40,610	23,975	+16,635	1,569,710	1,084,737	+484,973
1904	121,212	84,803	+36,409	50,135	26,087	+24,048	1,622,666	1,146,799	+475,867
1905	46,794	50,293	−3,499	57,513	35,939	+21,574	1,731,298	1,265,377	+465,921
1906	46,709	155,579	−108,870	60,957	44,228	+16,729	1,905,909	1,520,309	+385,600
1907	55,216	143,398	−88,182	61,626	45,912	+15,714	2,040,268	1,612,480	+427,788
1908	81,215	50,276	+30,939	51,838	42,224	+9,614	1,885,888	1,208,874	+677,014
1909	132,881	44,087	+88,794	57,592	46,188	+11,404	1,918,672	1,565,796	+352,876
1910	58,775	59,223	−448	57,361	45,878	+11,483	1,982,395	1,668,005	+314,390
1911	37,183	57,445	−20,262	65,665	43,747	+21,918	2,195,375	1,633,551	+561,824
1912	47,425	66,549	−19,124	71,962	48,401	+23,561	2,518,605	1,933,023	+585,582
1913	91,799	63,705	+28,094	62,777	35,868	+26,909	2,638,594	1,892,169	+746,425
1914	222,616	57,388	+165,228	51,603	25,959	+25,644	2,387,843	1,872,623	+515,220
1915	31,426	451,955	−420,529	53,599	34,484	+19,115	3,639,696	2,265,036	+1,374,660
1916	90,250	494,009	−403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917	291,921	977,176	−685,255	78,280	35,004	+43,276	6,660,249	3,671,535	+2,988,714
1918	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,396	+3,109,348
1919	116,576	62,364	+54,212	301,175	78,825	+222,350	7,650,034	3,236,909	+4,413,125
1920	466,421	150,540	+315,881	179,087	102,900	+76,137	8,754,447	5,491,792	+3,262,655
1921	133,538	638,560	−505,022	52,536	59,431	−6,895	6,702,584	4,352,450	+2,350,134
1922	27,345	468,318	−440,973	62,695	70,684	−7,989	3,861,196	3,147,081	+714,115
1923	49,022	284,090	−235,068	55,907	64,947	−9,040	4,061,662	4,129,996	−68,334
1924	10,207	417,026	−406,819	98,786	79,940	+18,846	4,420,649	4,051,003	+369,646
1925	248,730	134,145	+114,585	108,829	71,608	+37,221	5,222,139	4,029,881	+1,192,258
1926	113,438	210,726	−97,288	97,982	69,401	+28,581	4,964,802	4,744,999	+219,802
1927	103,844	251,756	−147,912	80,881	59,605	+21,276	5,152,825	4,563,385	+589,440
1928	627,102	129,140	+497,962	79,964	59,530	+20,434	5,584,137	4,336,169	+1,247,968
1929	112,291	267,428	−155,137	86,406	69,400	+17,006	5,572,104	4,628,716	+943,388

No. 520.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1885

NOTE.—**All figures in thousands of dollars.** Specie values. For later years see Table 517. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

Year	Exports[1]	Imports[1]	Excess of exports (+) or imports (−)	Year	Exports	Imports	Excess of exports (+) or imports (−)	Year	Exports	Imports	Excess of exports (+) or imports (−)
1790	20,205	23,000	−2,795	1822	61,350	79,872	−18,522	1854	237,044	297,804	−60,760
1791	19,012	29,200	−10,188	1823	68,326	72,481	−4,155	1855	218,910	257,809	−38,899
1792	20,753	31,500	−10,747	1824	68,972	72,169	−3,197	1856	281,219	310,432	−29,213
1793	26,110	31,100	−4,990	1825	90,738	90,189	+549	1857	293,824	348,428	−54,604
1794	33,044	34,600	−1,556	1826	72,891	78,094	−5,203	1858	272,011	263,339	+8,672
1795	47,990	69,756	−21,766	1827	74,310	71,333	+2,977	1859	292,902	331,333	−38,431
1796	53,575	81,436	−22,861	1828	64,021	81,020	−16,999	1860	333,576	353,616	−20,040
1797	51,295	75,379	−24,084	1829	67,435	67,089	+346	1861	219,554	289,311	−69,757
1798	61,327	68,552	−7,225	1830	71,671	62,721	+8,950	1862	190,671	189,357	+1,314
1799	78,666	79,059	−403	1831	72,296	95,885	−23,589	1863	203,964	243,336	−39,372
1800	70,972	91,253	−20,281	1832	81,521	95,122	−13,601	1864	158,838	316,447	−157,609
1801	93,021	111,364	−18,343	1833	87,529	101,048	−13,519	1865	166,029	238,746	−72,717
1802	71,957	76,333	−4,376	1834	102,260	108,610	−6,350	1866	348,860	434,812	−85,952
1803	55,800	64,667	−8,867	1835	115,216	136,764	−21,548	1867	294,506	395,761	−101,255
1804	77,699	85,000	−7,301	1836	124,339	176,579	−52,240	1868	281,953	357,436	−75,483
1805	95,566	120,600	−25,034	1837	111,443	130,473	−19,030	1869	286,118	417,506	−131,388
1806	101,537	129,410	−27,873	1838	104,979	95,970	+9,009	1870	392,772	435,958	−43,186
1807	108,343	138,500	−30,157	1839	112,252	156,497	−44,245	1871	442,820	520,224	−77,404
1808	22,431	56,990	−34,559	1840	123,669	98,259	+25,410	1872	444,178	626,595	−182,417
1809	52,203	59,400	−7,197	1841	111,817	122,958	−11,141	1873	522,480	642,136	−119,656
1810	66,758	85,400	−18,642	1842	99,878	96,075	+3,803	1874	586,283	567,406	+18,877
1811	61,317	53,400	+7,917	1843[2]	82,826	42,433	+40,393	1875	513,443	533,005	−19,562
1812	38,527	77,030	−38,503	1844	105,746	102,605	+3,141	1876	540,385	460,741	+79,644
1813	27,856	22,005	+5,851	1845	106,040	113,184	−7,144	1877	602,475	451,323	+151,152
1814	6,927	12,965	−6,038	1846	109,583	117,914	−8,331	1878	694,866	437,052	+257,814
1815	52,558	113,041	−60,483	1847	156,742	122,424	+34,318	1879	710,439	445,778	+264,664
1816	81,920	147,103	−65,183	1848	138,191	148,639	−10,448	1880	835,639	667,955	+167,681
1817	87,672	90,250	−11,578	1849	140,351	141,206	−855	1881	902,377	642,665	+259,712
1818	93,281	121,750	−28,469	1850	144,376	173,510	−29,134	1882	750,542	724,640	+25,902
1819	70,143	87,125	−16,982	1851	188,915	210,771	−21,856	1883	823,339	723,181	+100,658
1820	69,692	74,450	−4,758	1852	166,984	207,440	−40,456	1884	740,514	667,698	+ 72,816
1821	54,496	54,521	−25	1853	203,489	263,777	−60,288	1885	742,190	577,527	+164,663

[1] Includes gold and silver prior to 1821.
[2] Period beginning Oct. 1, 1842, and ending June 30, 1843.

No. 521.—PER CAPITA EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—Export figures for 1791 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only, shown in Table 517. Import figures for 1791 to 1820 are based on general imports shown in Table 517, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 522

Yearly average	Exports	Imports	Yearly average or year	Exports	Imports	Year	Exports	Imports	Year	Exports	Imports
	Dollars	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*
1791–1800	10.08	12.75	1911–1915	23.98	17.46	1896	12.29	10.82	1913	24.97	18.17
1801–1810	11.82	14.71	1916–1920	61.21	31.37	1897	14.43	11.03	1914	23.61	19.32
1811–1820	6.96	9.53	1921–1925	37.97	30.15	1898	16.62	8.06	1915	27.13	16.46
1821–1830	4.71	5.02	1882	14.05	13.74	1899	16.24	9.24	1916	53.01	23.06
1831–1840	5.85	6.91	1883	15.04	13.12	1900	18.17	11.01	1917	59.48	28.14
1841–1850	5.07	5.60	1884	13.24	12.20	1901	18.69	10.34	1918	57.51	28.06
1851–1860	8.48	9.78	1885	12.97	10.34	1902	16.99	11.28	1919	72.69	35.90
1861–1865	5.11	7.16	1886	11.62	10.89	1903	17.10	12.38	1920	74.79	47.22
1866–1870	8.35	10.73	1887	12.00	11.60	1904	17.28	11.82	1921	39.77	23.22
1871–1875	11.70	13.55	1888	11.43	11.81	1905	17.62	12.84	1922	33.75	27.55
1876–1880	14.01	10.18	1889	11.95	12.02	1906	19.96	14.06	1923	36.08	32.91
1881–1885	14.49	12.50	1890	13.54	12.27	1907	21.08	16.09	1924	38.96	30.97
1886–1890	12.12	11.73	1891	13.69	13.27	1908	20.48	13.21	1925	41.14	35.67
1891–1895	13.21	11.59	1892	15.62	12.37	1909	17.96	14.05	1926	39.62	37.06
1896–1900	15.60	10.03	1893	12.53	12.56	1910	18.41	16.66	1927	39.52	34.57
1901–1905	17.53	11.75	1894	12.85	9.32	1911	21.34	16.19	1928	41.29	33.47
1906–1910	19.54	14.82	1895	11.51	10.61	1912	22.65	17.13	1929	41.89	35.24

No. 522.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—From 1821 to 1866, inclusive, the figures of import values represent total imports less reexports, and for 1867 and later years imports entered for consumption. The "ratio of duties to total" is based upon the values of imports, shown in the table. Figures cover fiscal years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915; calendar years thereafter

Yearly average or year	Values				Duties	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Per cent free		Free and dutiable	Dutiable	
	1,000 dollars	*1,000 dollars*	*1,000 dollars*		*1,000 dollars*	*Per cent*	*Per cent*	*Dollars*
1821–1830	56,749	3,325	53,424	5.86	26,282	46.31	49.20	2.32
1831–1840	104,139	30,680	64,460	38.10	24,509	23.53	38.02	1.63
1841–1850	110,561	20,347	90,214	18.40	26,738	24.18	29.64	1.32
1851–1860	267,871	40,685	227,186	15.19	54,511	20.35	23.99	1.99
1861–1865	237,826	45,110	192,716	18.97	65,275	27.45	33.87	1.96
1866–1870	393,447	26,242	367,205	6.67	174,809	44.43	47.61	4.75
1871–1875	563,234	112,458	450,776	19.97	183,014	32.49	40.60	4.40
1876–1880	482,071	154,501	327,570	32.05	143,388	29.74	43.77	3.03
1881–1885	663,128	204,673	458,455	30.86	197,801	29.83	43.15	3.70
1886–1890	702,234	237,209	464,935	33.80	213,358	30.38	45.89	3.66
1891–1895	768,756	401,921	366,835	52.29	173,832	22.61	47.39	2.62
1896–1900	730,411	341,753	388,658	46.79	181,328	24.83	46.65	2.49
1901–1905	956,891	428,830	528,061	44.81	256,469	26.80	48.57	3.15
1906–1910	1,328,137	615,416	712,721	46.34	305,440	23.00	42.86	3.41
1911–1915	1,698,028	966,141	731,887	56.89	283,408	16.69	38.72	2.91
1916–1920[1]	3,288,839	2,262,412	1,026,245	68.79	227,035	6.90	22.08	2.17
1921–1925	3,422,748	2,088,932	1,333,816	61.03	478,911	13.99	35.90	4.22
1885	579,335	192,443	386,892	33.22	178,151	30.75	46.05	3.18
1886	624,049	210,271	413,778	33.69	189,410	30.35	45.78	3.31
1887	679,644	229,319	450,325	33.74	214,222	31.52	47.57	3.66
1888	707,091	238,947	468,144	33.78	216,042	30.55	46.15	3.61
1889	734,681	249,824	484,857	34.05	220,576	30.02	45.49	3.61
1890	765,708	258,137	507,571	33.71	226,540	29.59	44.63	3.63
1891	845,483	379,028	466,455	44.83	216,885	25.65	46.50	3.40
1892	804,297	448,771	355,526	55.78	174,124	21.65	48.98	2.68
1893	832,732	432,450	400,282	51.93	199,143	23.91	49.75	3.00
1894	630,107	372,462	257,645	59.11	120,558	20.56	50.29	1.92
1895	731,162	376,890	354,272	51.55	149,450	20.44	42.19	2.17
1896	759,694	368,897	390,797	48.56	157,013	20.67	40.18	2.24
1897	780,251	381,902	407,349	48.39	172,760	21.89	42.41	2.41
1898	587,153	291,534	295,619	49.65	145,438	24.77	49.20	2.00
1899	685,441	299,669	385,772	43.72	202,072	29.48	52.38	2.73
1900	830,519	366,760	463,759	44.16	229,360	27.62	49.46	3.04
1901	807,763	339,093	468,670	41.98	233,556	28.91	49.83	2.99
1902	899,793	396,542	503,251	44.01	251,453	27.95	49.97	3.15
1903	1,007,960	437,291	570,669	43.38	280,752	27.85	49.20	3.45
1904	981,822	454,153	527,669	46.26	258,161	26.29	48.92	3.11
1905	1,087,118	517,073	570,045	47.56	288,426	26.77	45.33	3.05
1906	1,213,417	548,695	664,722	45.22	293,910	24.22	44.22	3.40
1907	1,415,402	641,953	773,449	45.35	320,480	23.28	42.60	3.75
1908	1,183,120	525,704	657,416	44.43	282,582	23.88	42.98	3.15
1909	1,281,641	599,376	682,265	46.77	294,667	22.99	43.19	3.23
1910	1,547,109	761,353	785,756	49.21	326,561	21.11	41.56	3.52
1911	1,527,945	776,964	750,981	50.85	309,965	20.29	41.27	3.28
1912	1,640,722	881,513	759,209	53.73	304,899	18.58	40.16	3.18
1913	1,766,689	986,972	779,717	55.87	312,509	17.69	40.08	3.21
1914	1,906,400	1,152,392	754,008	60.45	283,719	14.88	37.63	2.87
1915	1,648,386	1,032,863	615,523	62.66	205,946	12.49	33.46	2.06
1915 (6 mos.)	934,675	631,384	303,291	67.56	95,858	10.26	31.61	.95
1916	2,353,612	1,614,842	743,770	68.47	214,214	9.10	28.80	2.09
1917	2,919,291	2,140,947	778,344	73.34	204,585	7.01	26.28	1.97
1918	2,951,531	2,228,675	722,856	75.51	170,934	5.79	23.65	1.63
1919	3,827,083	2,711,462	1,116,221	70.84	237,456	6.20	21.27	2.23
1920	5,101,823	3,115,958	1,985,865	61.08	325,646	6.38	16.40	3.01
1921	2,556,869	1,564,278	992,591	61.18	292,397	11.44	29.46	2.66
1922	3,073,773	1,888,240	1,185,533	61.43	451,366	14.68	38.07	4.05
1923	3,731,760	2,165,148	1,566,621	58.02	566,664	15.18	36.17	5.00
1924	3,575,111	2,118,168	1,456,943	59.25	532,286	14.89	36.53	4.61
1925	4,176,218	2,708,828	1,467,391	64.87	551,853	13.21	37.61	4.71
1926	4,408,076	2,908,107	1,499,969	65.97	590,045	13.39	39.34	4.96
1927	4,183,090	2,680,059	1,483,031	64.38	574,839	13.81	38.76	4.77
1928	4,077,937	2,678,633	1,399,304	65.68	542,270	13.30	38.76	4.45
1929	4,338,572	2,880,128	1,458,444	66.38	584,771	13.47	40.11	4.75

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 523.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in Table 524

Year or yearly average	Per cent of total exports of United States merchandise					Per cent of total general imports				
	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures
1821	60.62	4.79	19.51	9.42	5.66	4.66	11.15	19.85	7.48	56.86
1830	62.65	4.65	16.32	7.04	9.34	7.65	11.77	15.39	8.22	56.97
1840	67.83	4.09	14.27	4.34	9.47	12.36	15.54	15.46	11.56	45.09
1850	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	14.08	54.93
1851–1860	61.67	6.61	15.39	4.01	12.32	9.63	11.70	15.43	12.50	50.74
1861–1865	19.97	22.13	34.42	5.69	17.78	14.12	14.29	17.47	13.60	40.52
1866–1870	57.62	9.05	13.75	4.68	14.89	11.71	13.23	19.93	13.87	41.26
1871–1875	44.94	15.47	19.59	4.67	15.33	16.12	14.12	20.07	13.56	30.27
1876–1880	32.24	23.93	24.39	4.55	14.87	18.55	18.56	21.49	12.45	29.35
1881–1885	33.78	21.00	25.50	4.78	14.94	19.98	14.90	19.15	13.73	32.25
1886–1890	38.13	14.98	25.01	5.52	16.36	22.65	15.77	16.49	15.76	29.33
1891–1895	33.67	17.21	27.22	6.32	15.57	23.59	18.66	17.92	14.37	25.45
1896–1900	26.11	18.90	24.01	9.64	21.33	29.47	15.08	15.93	13.35	26.17
1901–1905	30.27	12.19	22.16	11.30	24.07	33.38	12.92	12.36	10.65	24.69
1906–1910	31.68	8.90	18.12	14.23	27.07	34.56	10.98	11.80	17.82	24.84
1911–1915	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.56	17.37	22.36
1915–1920[1]	18.22	9.16	17.66	15.39	39.58	40.13	12.15	16.21	17.10	14.40
1921–1925	27.54	9.74	13.93	12.45	36.33	37.40	11.09	12.99	17.66	20.86
1910–1914	33.48	5.94	13.84	16.03	30.71	35.23	12.03	11.50	18.18	23.05
1915–1919[2]	16.13	9.62	18.09	16.67	39.47	41.33	12.43	14.14	17.04	14.50
1885	34.58	16.07	27.77	5.42	15.25	20.86	16.16	17.82	13.55	31.61
1886	38.58	15.13	24.43	5.11	16.76	22.78	14.41	17.75	14.40	30.65
1887	35.94	17.85	25.00	5.22	15.99	21.86	15.36	16.14	17.34	29.29
1888	40.00	12.63	24.84	5.88	16.65	22.65	16.03	15.34	16.80	29.17
1889	39.85	13.54	23.90	5.85	16.87	23.11	16.53	16.41	15.44	28.52
1890	36.61	15.62	26.59	5.50	15.68	22.79	16.28	16.89	14.81	29.23
1891	40.28	12.17	25.96	5.49	16.09	22.79	17.83	17.48	16.15	25.75
1892	31.48	25.84	24.66	4.95	13.07	23.54	21.22	16.80	13.63	24.72
1893	30.28	18.43	29.73	5.94	15.63	25.00	15.19	17.75	15.65	26.40
1894	32.60	15.30	28.77	7.72	15.61	20.56	20.35	23.72	12.65	22.72
1895	33.94	12.50	27.61	7.85	18.10	25.62	19.31	14.03	13.18	27.26
1896	29.80	14.90	25.41	8.85	21.04	26.06	16.07	15.24	12.96	29.07
1897	29.49	17.58	22.79	9.52	20.63	26.25	16.79	16.90	11.57	28.48
1898	24.44	25.21	23.54	8.43	18.38	31.44	16.88	13.97	12.88	24.84
1899	23.75	19.35	25.31	9.78	21.81	30.60	14.19	17.71	13.19	24.32
1900	24.81	16.48	23.32	11.18	24.20	33.14	11.52	15.65	15.79	23.90
1901	28.17	16.83	23.09	10.16	21.76	30.88	13.43	15.25	15.49	24.96
1902	28.60	13.63	24.26	9.75	23.75	34.13	13.31	10.56	16.34	25.62
1903	29.85	13.31	23.22	10.10	23.52	32.80	11.62	11.37	19.08	25.13
1904	32.54	9.46	21.52	12.19	24.30	33.05	13.34	11.93	16.17	25.51
1905	32.08	7.92	18.97	14.07	26.96	35.42	13.08	13.01	15.91	22.58
1906	29.53	10.32	20.22	13.17	26.76	34.55	10.95	11.44	17.96	25.10
1907	32.40	9.03	18.65	14.00	25.93	34.00	10.44	11.06	19.11	25.39
1908	30.70	10.30	18.10	14.23	26.68	31.31	12.19	12.31	16.43	27.77
1909	32.27	8.28	18.47	14.11	26.87	35.13	12.51	12.63	16.94	22.80
1910	33.57	6.42	15.16	15.66	29.19	37.11	9.30	11.66	18.31	23.62
1911	35.79	5.13	14.01	15.35	29.72	34.36	11.87	11.26	18.84	23.67
1912	33.69	4.60	14.69	16.04	30.98	34.66	13.93	11.86	17.77	21.78
1913	30.48	7.49	13.23	16.83	31.97	35.82	11.68	10.72	19.27	22.51
1914	34.33	5.90	12.59	16.06	31.11	34.31	13.09	12.02	16.86	23.72
1915	21.77	18.66	16.74	13.10	29.73	35.33	13.38	17.07	14.17	20.04
1915 (6 mos.)	16.66	8.67	16.08	14.72	43.87	41.40	14.29	12.43	15.75	16.08
1916	15.04	7.76	11.95	16.82	48.43	43.04	10.88	14.13	17.45	14.46
1917	13.50	8.28	13.08	21.30	43.77	43.56	13.07	11.90	18.18	13.28
1918	16.07	9.05	23.25	17.41	34.22	40.70	11.41	13.12	21.43	13.34
1919	20.94	8.75	25.32	11.90	33.08	43.57	13.97	14.23	15.60	12.64
1920	23.30	11.36	13.82	11.86	39.66	33.79	10.94	23.46	15.20	16.61
1921	22.46	15.38	15.66	9.38	37.12	34.23	11.96	14.68	14.41	24.71
1922	26.26	12.18	15.62	11.63	34.32	37.91	10.59	12.44	17.76	21.30
1923	29.54	6.29	14.26	13.78	36.12	37.10	9.58	13.98	19.00	20.34
1924	29.63	8.73	12.75	13.57	35.32	34.86	11.77	14.45	18.17	20.76
1925	29.51	6.60	11.90	13.73	38.26	41.36	11.71	10.24	17.87	18.83
1926	26.77	7.11	10.67	13.91	41.54	40.47	12.18	9.42	18.15	19.78
1927	25.07	8.85	9.74	14.70	41.64	38.25	12.06	10.77	17.92	21.00
1928	25.71	5.86	9.26	14.24	44.93	35.85	13.44	9.91	18.65	22.15
1929	22.15	5.23	9.40	14.13	49.09	35.43	12.24	9.63	20.12	22.68

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years.

No. 524.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—**All figures in thousands of dollars.** Merchandise only, specie values. Figures cover fiscal years covered by each class see Annual Commerce and Navigation of the United States. Owing to the special also shown

Yearly average or year	Exports of United States merchandise					
	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821	51,684	31,332	2,475	10,085	4,867	2,925
1830	58,525	36,065	2,724	9,557	4,118	5,462
1840	111,661	75,735	4,505	15,936	4,841	10,584
1850	134,900	84,124	7,536	20,017	6,061	17,162
1851–1860	232,149	143,156	15,337	35,734	9,317	28,605
1861–1865	170,198	33,990	37,670	58,585	9,686	30,267
1866–1870	307,696	177,296	27,858	42,306	14,408	45,828
1871–1875	486,128	218,449	75,206	95,282	22,681	74,509
1876–1880	663,650	213,989	158,853	161,915	30,174	98,719
1881–1885	774,607	261,045	162,714	197,467	37,044	115,747
1886–1890	725,685	276,703	108,708	181,521	40,023	118,730
1891–1895	876,326	295,087	150,846	238,580	55,343	136,470
1896–1900	1,136,039	296,664	214,778	272,759	109,500	242,338
1901–1905	1,427,020	432,027	173,972	316,226	161,206	343,589
1906–1910	1,750,980	554,754	155,828	317,374	249,134	473,890
1911–1915	2,331,648	716,637	205,939	333,971	359,239	715,861
1915–1920 [1]	6,416,513	1,168,995	587,588	1,133,226	987,185	2,539,520
1921–1925	4,310,221	1,187,056	420,002	600,710	536,793	1,565,660
1910–1914	2,130,429	713,184	126,506	294,908	341,620	654,211
1915–1919 [2]	5,227,127	843,258	502,763	945,729	871,731	2,063,646
1885	726,683	251,299	123,327	201,801	39,437	110,819
1886	665,965	256,811	100,800	162,689	34,038	111,627
1887	703,023	252,034	125,454	175,785	36,732	112,418
1888	683,862	273,553	86,368	169,872	40,176	113,893
1889	730,282	291,034	98,847	174,504	42,713	123,184
1890	845,294	309,482	132,073	224,757	46,455	132,527
1891	872,270	351,355	106,156	226,448	47,961	140,350
1892	1,015,732	319,761	262,456	250,439	50,284	132,792
1893	831,081	251,669	163,278	247,075	49,071	129,938
1894	869,205	283,357	133,197	249,846	67,145	135,659
1895	793,393	269,294	99,145	219,090	62,254	143,610
1896	863,201	257,227	128,551	219,413	76,220	181,789
1897	1,032,008	304,291	181,421	235,052	98,284	212,959
1898	1,210,292	295,776	305,109	284,880	101,991	222,537
1899	1,203,931	285,887	232,903	304,755	117,730	262,657
1900	1,370,764	340,139	225,906	319,696	153,276	331,747
1901	1,460,463	411,377	245,836	337,153	148,351	317,746
1902	1,355,482	387,711	184,786	328,832	132,206	321,947
1903	1,392,232	415,543	185,308	323,245	140,667	327,469
1904	1,435,179	466,984	135,747	308,336	174,877	348,735
1905	1,491,745	478,518	118,185	283,065	209,926	402,050
1906	1,717,954	507,328	177,216	347,385	226,211	459,813
1907	1,853,718	600,540	167,348	345,707	269,442	480,681
1908	1,834,786	563,197	189,052	331,962	261,106	489,470
1909	1,638,356	528,691	135,694	302,555	231,144	440,272
1910	1,710,084	574,015	109,828	259,260	267,766	499,215
1911	2,013,549	720,611	103,402	282,017	309,152	598,368
1912	2,170,320	731,164	99,899	318,839	348,150	672,268
1913	2,428,506	740,290	181,907	321,204	408,807	776,297
1914	2,329,684	799,838	137,495	293,219	374,224	724,908
1915	2,716,178	591,282	506,993	454,575	355,862	807,466
1915 (6 mos.)	1,820,393	303,228	157,897	292,720	268,002	798,546
1916	5,422,642	815,693	421,284	648,039	912,262	2,625,364
1917	6,169,617	832,827	505,762	869,941	1,315,242	2,705,845
1918	6,047,875	972,107	547,436	1,405,820	1,053,270	2,069,242
1919	7,749,816	1,623,085	678,363	1,902,616	922,246	2,503,505
1920	8,080,481	1,882,530	917,991	1,116,605	958,497	3,204,858
1921	4,378,928	983,563	673,334	685,025	410,167	1,626,849
1922	3,765,091	988,456	458,611	587,987	437,730	1,292,307
1923	4,090,715	1,208,468	257,478	583,292	563,718	1,477,759
1924	4,497,649	1,332,746	392,691	573,492	610,668	1,588,052
1925	4,818,722	1,422,058	317,894	573,753	661,683	1,843,334
1926	4,711,721	1,261,325	335,063	503,005	655,547	1,956,781
1927	4,758,864	1,192,776	421,107	463,299	699,727	1,981,955
1928	5,030,099	1,293,257	294,677	465,811	716,352	2,260,002
1929	5,157,083	1,142,352	269,590	484,304	729,013	2,531,823

[1] Period July 1, 1915, to Dec. 31, 1920.

AND GENERAL IMPORTS, BY ECONOMIC CLASSES

ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar thereafter, except as noted. For articles influence of the war on the character of our trade, averages for the fiscal years 1910–1914 and 1915–1919 are

Imports						Yearly average or year
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	
54, 521	2, 540	6, 081	10, 821	4, 079	30, 999	1821.
62, 721	4, 797	7, 382	9, 654	5, 152	35, 735	1830.
98, 259	12, 140	15, 274	15, 189	11, 356	44, 300	1840.
173, 510	12, 556	18, 012	21, 466	26, 163	95, 313	1850.
284, 475	27, 394	33, 286	43, 904	35, 559	144, 332	1851–1860.
255, 439	36, 064	36, 504	44, 613	34, 744	103, 514	1861–1865.
408, 294	47, 814	54, 018	81, 381	56, 632	168, 449	1866–1870.
577, 873	93, 182	81, 602	115, 960	78, 360	208, 769	1871–1875.
492, 570	91, 353	89, 461	105, 865	61, 318	144, 573	1876–1880.
667, 142	133, 268	99, 376	127, 732	91, 625	215, 141	1881–1885.
717, 231	162, 436	113, 130	118, 224	113, 045	210, 396	1886–1890.
785, 137	185, 222	146, 510	140, 726	112, 833	199, 846	1891–1895.
741, 519	213, 517	111, 843	118, 124	99, 005	194, 030	1896–1900.
972, 162	324, 508	125, 644	120, 218	161, 809	239, 983	1901–1905.
1, 344, 838	464, 809	147, 706	158, 658	239, 577	334, 088	1906–1910.
1, 712, 319	597, 701	219, 035	215, 144	297, 476	382, 963	1911–1915.
3, 358, 354	1, 347, 667	408, 152	544, 549	574, 421	483, 566	1915–1920.[1]
3, 450, 103	1, 290, 375	382, 539	448, 089	609, 225	719, 875	1921–1925.
1, 688, 874	594, 957	203, 205	194, 312	307, 068	389, 332	1910–1914.
2, 514, 557	1, 039, 306	312, 059	355, 305	443, 647	364, 180	1915–1919.[2]
577, 527	120, 446	93, 346	102, 938	78, 255	182, 543	1885.
635, 436	144, 745	91, 589	112, 771	91, 539	194, 792	1886.
692, 320	151, 363	106, 362	111, 715	120, 080	202, 800	1887.
723, 957	163, 998	116, 087	111, 048	121, 605	211, 219	1888.
745, 132	172, 184	123, 131	122, 254	115, 080	212, 483	1889.
780, 310	179, 889	128, 480	133, 332	116, 924	230, 686	1890.
844, 916	192, 531	150, 639	147, 722	136, 446	217, 578	1891.
827, 402	194, 776	175, 559	139, 795	112, 729	204, 544	1892.
866, 401	216, 624	131, 664	153, 739	135, 609	228, 765	1893.
654, 995	134, 643	133, 310	155, 349	82, 895	148, 798	1894.
731, 970	187, 537	141, 377	107, 026	96, 487	199, 543	1895.
779, 725	203, 205	130, 002	118, 806	101, 071	226, 640	1896.
764, 730	200, 771	128, 380	129, 245	88, 490	217, 844	1897.
616, 050	193, 660	103, 985	86, 091	79, 289	153, 025	1898.
697, 148	213, 207	98, 933	123, 448	91, 954	169, 516	1899.
849, 941	281, 649	97, 916	133, 028	134, 222	203, 126	1900.
823, 172	254, 104	110, 385	125, 541	127, 577	205, 505	1901.
903, 321	308, 613	120, 280	95, 350	147, 656	231, 421	1902.
1, 025, 719	330, 388	119, 203	116, 620	195, 751	257, 757	1903.
991, 087	327, 549	132, 224	118, 223	160, 234	252, 858	1904.
1, 117, 513	395, 826	140, 131	145, 350	177, 828	252, 372	1905.
1, 226, 562	423, 789	134, 315	140, 358	220, 209	307, 801	1906.
1, 434, 421	487, 728	149, 748	158, 656	274, 006	364, 193	1907.
1, 194, 342	373, 889	145, 578	147, 009	196, 248	331, 618	1908.
1, 311, 920	460, 901	164, 111	165, 701	222, 102	299, 106	1909.
1, 556, 947	577, 743	144, 777	181, 506	285, 138	367, 723	1910.
1, 527, 226	524, 817	181, 195	172, 006	287, 786	361, 422	1911.
1, 653, 265	573, 048	230, 358	196, 101	293, 739	360, 019	1912.
1, 813, 008	649, 438	211, 747	194, 243	349, 402	408, 179	1913.
1, 893, 926	649, 740	247, 948	227, 644	319, 276	449, 318	1914.
1, 674, 170	591, 462	223, 930	285, 725	237, 176	335, 877	1915.
912, 787	378, 446	130, 398	113, 441	143, 752	146, 750	1915 (6 mos.).
2, 391, 635	1, 029, 358	260, 132	338, 707	417, 860	345, 578	1916.
2, 952, 468	1, 286, 079	385, 725	351, 553	536, 663	392, 448	1917.
3, 031, 213	1, 233, 697	345, 663	397, 370	649, 585	404, 908	1918.
3, 904, 365	1, 701, 057	545, 301	555, 808	608, 906	493, 203	1919.
5, 278, 481	1, 783, 534	577, 627	1, 238, 139	802, 456	876, 725	1920.
2, 509, 148	858, 858	300, 181	368, 311	361, 747	620, 051	1921.
3, 112, 747	1, 179, 894	329, 809	387, 419	552, 677	662, 947	1922.
3, 792, 066	1, 406, 797	363, 032	530, 208	720, 729	771, 300	1923.
3, 609, 963	1, 258, 256	424, 873	521, 600	655, 888	749, 346	1924.
4, 226, 589	1, 748, 065	494, 800	432, 906	755, 085	795, 733	1925.
4, 430, 888	1, 792, 292	539, 818	417, 817	804, 333	876, 628	1926.
4, 184, 742	1, 600, 809	504, 686	450, 849	749, 801	878, 597	1927.
4, 091, 444	1, 466, 734	549, 892	405, 814	762, 831	906, 173	1928.
4, 399, 361	1, 558, 620	538, 560	423, 622	885, 051	993, 508	1929.

[1] Fiscal years.

No. 525.—GENERAL IMPORTS, FREE AND DUTIABLE,

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal
percentage free in general imports is normally slightly lower than in imports for consumption because
imports. Moreover, since 1922, there is an understatement of the free goods in general imports,

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
1821	2,018	52,504	3.7	1,475	1,066	58.1	----------	6,082	----------
1830	4,590	58,131	7.3	3,348	1,450	69.8	----------	7,382	----------
1840	48,314	49,946	49.2	9,780	2,360	80.6	15,214	60	99.6
1850	18,082	155,428	10.4	602	11,954	4.8	15,803	2,208	87.7
1851-1860	44,730	239,745	15.7	6,455	20,938	23.6	30,165	3,121	90.6
1861-1865	48,948	206,491	19.2	10,759	25,305	29.8	17,365	19,140	47.0
1866-1870	27,328	380,467	6.8	9,910	37,904	20.7	4,443	49,575	8.2
1871-1875	105,286	472,587	18.2	48,082	45,100	51.6	45,026	36,576	55.2
1876-1880	154,683	337,887	31.4	60,902	30,450	66.7	74,806	14,654	83.6
1881-1885	204,735	462,407	30.7	91,384	41,884	68.6	76,513	22,864	77.0
1886-1890	242,521	474,710	33.8	104,961	57,475	64.6	90,035	23,095	79.6
1891-1895	402,363	382,774	51.2	143,613	41,610	77.5	124,808	21,702	85.2
1896-1900	342,125	399,394	46.1	177,649	40,868	81.3	88,350	23,484	79.0
1901-1905	426,836	545,326	43.9	243,319	81,189	75.0	98,921	26,723	78.7
1906-1910	614,825	730,013	45.7	348,061	116,749	74.9	120,233	27,473	81.4
1911-1915	961,439	750,880	56.1	491,948	105,753	82.3	181,170	37,865	82.7
1916-1920 [1]	2,258,608	1,099,747	67.3	1,195,593	152,074	88.7	349,026	58,226	85.7
1921-1925	2,060,303	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1910-1914	905,796	783,078	53.6	477,331	117,026	80.2	164,554	38,651	81.0
1915-1919 [2]	1,744,787	769,789	69.4	925,417	113,949	53.0	263,025	49,033	84.3
1885	193,213	384,314	33.5	79,242	41,205	65.8	73,323	20,022	78.5
1886	212,159	423,277	33.4	97,600	47,146	67.4	71,204	20,384	77.7
1887	234,221	458,099	33.8	100,459	50,904	66.4	84,826	21,536	79.8
1888	244,072	479,885	33.7	107,043	56,955	65.3	87,121	28,966	75.0
1889	256,487	488,645	34.4	107,210	64,974	62.3	100,507	22,624	81.6
1890	265,668	523,642	33.7	112,495	67,304	62.5	106,515	21,965	82.9
1891	366,241	478,675	43.3	139,855	52,676	72.6	126,337	24,302	83.9
1892	457,999	369,403	55.4	149,159	45,616	76.6	155,831	19,728	88.8
1893	444,544	421,857	51.3	165,928	50,697	76.6	106,769	24,895	81.1
1894	379,796	275,199	58.0	106,654	27,989	79.2	114,255	19,054	85.7
1895	363,284	368,736	49.6	156,464	31,073	83.4	120,847	20,530	85.5
1896	369,758	409,967	47.4	176,657	26,549	86.9	108,891	21,111	83.8
1897	381,038	382,792	49.9	182,775	17,996	91.0	108,089	20,291	84.2
1898	291,414	324,636	47.3	147,341	46,319	76.1	86,145	17,840	82.8
1899	300,280	396,868	43.1	168,653	44,643	79.1	69,948	28,985	70.7
1900	367,237	482,704	43.2	212,820	68,329	75.6	68,722	29,194	70.2
1901	339,609	483,503	41.3	191,155	63,009	75.2	80,961	29,424	73.3
1902	396,819	506,502	43.9	233,242	75,371	75.6	90,287	29,993	75.1
1903	420,181	599,538	41.6	249,276	87,112	74.1	86,622	32,581	72.7
1904	454,190	536,957	45.8	249,998	77,552	76.3	110,481	21,742	83.6
1905	517,442	600,071	46.3	292,921	102,905	71.5	126,254	19,877	86.4
1906	549,624	676,938	44.8	312,290	111,499	73.7	114,305	20,010	86.1
1907	644,030	790,391	44.9	366,164	121,564	75.1	125,047	24,701	83.5
1908	525,603	668,739	44.0	282,943	90,946	75.7	116,510	29,068	80.0
1909	599,557	712,363	45.7	334,957	125,944	72.7	131,621	32,490	80.2
1910	755,311	801,636	48.5	443,951	133,792	76.8	113,681	31,095	78.5
1911	776,972	750,254	50.9	409,671	115,145	78.1	147,262	33,932	81.3
1912	881,671	771,594	53.3	453,931	119,117	79.2	180,127	50,231	78.2
1913	987,524	825,484	54.5	519,103	130,334	79.9	179,820	31,917	84.9
1914	1,127,503	766,423	59.5	560,000	89,740	86.2	201,868	46,080	81.4
1915	1,033,527	640,643	61.7	517,034	74,428	87.4	196,763	27,167	87.9
1915 (6 mos.)	628,337	283,950	68.9	332,105	46,340	87.8	113,550	16,849	87.1
1916	1,611,887	779,748	67.4	922,045	107,312	89.6	216,570	43,562	83.3
1917	2,135,552	816,916	72.3	1,169,041	117,038	90.9	316,965	68,759	82.2
1918	2,230,353	800,860	73.6	1,092,837	140,860	88.6	283,535	62,118	82.0
1919	2,608,703	1,205,662	69.1	1,508,164	192,894	88.7	480,856	64,444	88.2
1920	3,117,010	2,161,471	59.1	1,551,570	231,964	87.0	513,117	64,510	88.8
1921	1,562,292	946,856	62.3	750,640	108,219	87.4	253,703	46,477	84.5
1922 [3]	1,871,917	1,249,830	60.1	963,150	216,744	81.6	249,600	80,209	75.7
1923 [3]	2,135,942	1,656,124	56.3	1,091,393	315,404	77.6	279,222	83,810	76.9
1924 [3]	2,080,095	1,529,867	57.6	977,635	280,621	77.7	335,741	89,132	79.0
1925 [3]	2,651,266	1,575,323	62.7	1,400,083	347,982	80.1	392,942	101,858	79.4
1926 [3]	2,853,411	1,577,477	64.4	1,488,772	308,520	82.8	438,594	101,224	81.2
1927 [3]	2,621,873	1,662,869	62.7	1,315,237	285,572	82.2	392,971	111,715	77.9
1928 [3]	2,616,239	1,475,205	63.9	1,222,411	244,323	83.3	431,587	118,305	78.5
1929 [3]	2,849,354	1,556,007	64.6	1,289,317	269,303	83.0	443,372	95,188	82.4

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years.

AND PER CENT FREE, BY ECONOMIC CLASSES

years ended Sept. 30, 1921 to 1840, and June 30, 1850 to 1915, calendar thereafter, except as noted. The relatively more of the dutiable general imports are reported as reexported than of the free general resulting from the facts set forth in Table 526

Manufactured foodstuffs			Semimanufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	
---	10,821	---	488	3,691	12.0	55	30,944	0.2	1821.
---	9,654	---	1,211	3,942	23.5	31	35,703	.1	1830.
1,021	14,168	6.7	4,062	6,394	43.7	17,337	26,903	39.1	1840.
---	21,466	---	764	25,399	2.9	911	94,401	1.0	1850.
2,425	41,477	5.5	3,419	32,140	9.6	2,265	142,067	1.6	1851–1860.
4,671	39,942	10.5	7,980	26,764	23.0	8,173	95,341	7.9	1861–1865.
1,847	79,534	2.3	6,722	49,010	11.9	4,906	163,543	2.9	1866–1870.
371	115,589	.3	6,255	72,105	8.0	5,552	203,216	2.7	1871–1875.
3,244	102,621	3.1	9,114	52,204	14.9	6,616	137,957	4.6	1876–1880.
9,240	118,493	7.2	15,209	76,416	16.6	12,389	202,751	5.8	1881–1885.
13,604	104,560	11.6	19,175	93,370	17.0	14,686	195,709	7.0	1886–1890.
92,078	48,649	65.4	25,614	87,219	22.7	16,251	183,594	8.1	1891–1895.
18,950	99,173	16.0	34,565	64,440	34.9	22,602	171,429	11.6	1896–1900.
3,189	117,029	2.7	59,043	101,866	37.0	21,465	218,518	8.9	1901–1905.
5,408	153,160	3.5	102,198	137,379	42.7	38,835	295,253	11.6	1906–1910.
25,626	189,517	11.9	167,863	129,612	56.4	94,832	288,131	24.8	1911–1915.
73,142	471,407	13.4	424,243	150,177	73.9	215,704	267,862	44.6	1915–1920.[1]
56,620	391,469	12.6	411,802	197,423	67.6	253,058	466,817	35.2	1921–1925.
17,290	177,022	8.9	160,166	146,902	52.2	76,455	302,877	22.2	1910–1914.
59,384	296,122	16.7	340,677	102,070	76.8	156,464	207,715	43.0	1915–1919.[1]
11,796	91,142	11.5	14,025	64,230	17.9	14,828	167,715	8.1	1885.
10,565	102,207	9.4	16,006	75,533	17.5	16,784	178,007	8.6	1886.
11,095	100,620	9.9	20,282	99,798	16.9	17,559	185,241	8.7	1887.
15,222	95,826	13.7	20,657	100,947	17.0	14,028	197,191	6.6	1888.
16,062	106,192	13.1	19,655	95,425	17.1	13,052	199,430	6.1	1889.
15,375	117,957	11.5	19,275	97,650	16.5	12,009	218,677	5.2	1890.
62,119	85,603	42.1	23,435	113,011	17.2	14,495	203,082	6.7	1891.
111,614	28,180	79.8	26,437	86,293	23.5	14,959	189,585	7.3	1892.
121,858	31,881	79.3	33,114	102,495	24.4	16,876	211,880	7.4	1893.
130,454	24,895	84.0	15,129	67,765	18.3	13,302	135,496	8.9	1894.
34,343	72,683	32.1	29,955	66,531	31.0	21,625	177,019	10.8	1895.
15,903	102,902	13.4	37,718	63,353	37.3	30,588	196,051	13.5	1896.
17,082	112,163	13.2	39,566	48,925	44.7	34,427	183,417	15.8	1897.
18,874	67,217	21.9	23,739	55,550	29.9	15,316	137,709	10.0	1898.
19,783	103,665	16.0	26,226	65,728	28.5	15,670	153,847	9.2	1899.
23,110	109,918	17.4	45,578	88,644	34.0	17,007	186,119	8.4	1900.
2,817	122,724	2.2	44,700	82,877	35.0	19,976	185,530	9.7	1901.
3,068	92,283	3.2	51,138	96,519	34.6	19,084	212,336	8.2	1902.
3,417	113,203	2.9	67,268	128,493	34.4	19,609	238,149	7.6	1903.
3,328	114,895	2.8	65,558	94,676	40.9	24,765	228,092	9.8	1904.
3,317	142,039	2.3	71,061	106,767	40.0	23,890	228,482	9.5	1905.
3,349	137,009	2.4	91,172	129,126	41.4	28,508	279,294	9.3	1906.
4,105	154,551	2.6	116,722	157,374	42.6	31,992	332,201	8.8	1907.
5,469	141,540	3.7	84,721	111,528	43.2	35,961	295,657	10.8	1908.
5,177	160,524	3.1	95,079	127,023	42.8	32,723	266,384	10.9	1909.
9,391	172,176	5.2	123,295	161,843	43.2	64,993	302,730	17.7	1910.
12,339	159,668	7.2	142,773	145,013	49.6	64,928	296,495	18.0	1911.
16,629	179,471	8.5	153,258	140,481	52.2	77,725	282,294	21.6	1912.
10,889	183,354	5.6	180,580	168,822	51.7	97,122	311,057	23.8	1913.
37,202	190,443	16.3	200,925	118,350	62.9	127,508	321,810	28.4	1914.
51,073	234,652	17.9	161,781	75,396	68.2	106,876	229,001	31.8	1915.
20,082	93,359	17.7	103,717	40,035	72.2	59,383	87,367	40.5	1915 (6 mos.).
37,401	301,306	11.0	299,265	118,595	71.6	136,006	208,972	39.5	1916.
59,255	292,298	16.9	422,021	114,642	78.6	168,270	224,178	42.9	1917.
91,724	305,646	23.1	561,448	88,137	86.4	200,809	204,099	49.6	1918.
69,504	486,304	12.5	399,579	209,418	65.6	240,601	252,602	48.8	1919.
124,314	1,113,825	10.0	547,308	255,149	68.2	380,702	496,023	43.4	1920.
53,604	314,707	14.6	236,458	125,289	65.4	267,887	352,164	43.2	1921.
43,115	344,304	11.1	370,871	181,806	67.1	245,181	417,767	37.0	1922.[2]
52,164	478,044	9.8	471,775	248,954	65.5	241,388	529,012	31.3	1923.[2]
62,044	459,556	11.9	462,898	192,989	70.6	241,778	507,508	32.3	1924.[2]
72,171	360,735	16.7	517,010	238,075	68.5	269,060	526,673	33.8	1925.[2]
57,192	360,625	13.7	568,379	235,954	70.7	305,481	571,147	34.8	1926.[2]
75,698	375,151	16.8	527,187	222,614	70.3	310,780	567,817	35.4	1927.[2]
75,115	330,699	18.5	541,456	221,375	71.0	345,671	560,502	38.1	1928.[2]
82,375	341,247	19.4	630,586	254,465	71.2	397,704	595,804	40.0	1929.[2]

[1] See headnote and supplemental Table No. 526, p. 480.

No. 526.—SUPPLEMENT TO TABLES 525 AND 537: FREE AND DUTIABLE GENERAL IMPORTS OF MERCHANDISE ADJUSTED FOR VALUES OF WHEAT AND WOOL CLASSIFIED AS DUTIABLE BUT ENTERED FREE UNDER SPECIAL PROVISIONS, 1922 TO 1929

NOTE.—**All figures in thousands of dollars.** Since 1922 there is an understatement of the value of free goods in the figures for general imports resulting from the following facts: (1) Wheat imported (practically all coming from Canada) for 1922 to 1928 was all reported as dutiable when first entered, but most of it was subsequently used for milling-in-bond for export and in that case no duty is collected; (2) carpet wool for 1922 to 1929 was nearly all reported as dutiable when first entered but most of it is subsequently used for making carpets in which case no duty is collected. These shifts affect the general total and the totals for the economic classes of crude materials, and crude foodstuffs in Table 525. The following table shows for these classes approximately the proportions free and dutiable since 1922 after adjusting for these shifts. It also shows approximate adjusted figures of free and dutiable imports from Canada (Table 537). The shift of carpet wool from dutiable to free likewise affects somewhat the proportions free and dutiable in imports from countries supplying carpet wool (principally United Kingdom, China, Argentina, Chile, and India), but no adjustments have been made for such countries or for continent totals

	1922	1923	[1] 1924	1925	1926	1927	1928	1929
WHEAT								
Imports entered for consumption:								
Total	24,147	19,227	16,224	16,703	22,129	14,679	23,189	(1)
Free for manufacture and export	11,757	10,340	9,647	15,001	21,489	14,651	22,908	(1)
Per cent free	48.7	53.8	59.5	89.8	97.1	99.8	98.8	(1)
General imports dutiable	25,943	19,229	15,590	19,343	[2] 19,692	15,344	22,040	(1)
Estimated general imports classified as dutiable but entered free under special provision	12,834	10,345	9,276	17,370	[3] 18,982	15,313	21,776	(1)
CARPET WOOL								
Imports entered for consumption:								
Total	25,667	25,713	33,092	42,416	33,075	35,550	39,556	46,148
Free for manufacture into carpets	25,080	22,644	29,543	38,439	29,978	32,809	35,074	41,459
Per cent free	97.7	88.1	89.3	90.6	90.6	92.3	90.2	89.8
General imports free and dutiable:								
Total	29,267	26,304	34,174	47,232	30,102	37,470	37,947	46,988
Estimated general imports entered free	28,594	23,174	30,517	42,792	27,272	34,585	34,288	42,195
Carpet wool entered free	22,166	2,484	3,619	5,345	5,214	3,712	4,993	5,377
Estimated general imports classified as dutiable but entered free under special provision	6,428	20,690	26,898	37,447	22,058	30,873	29,296	35,818

	1922		1923		1924		1925	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	3,112,747	3,112,747	3,792,066	3,792,066	3,609,963	3,609,963	4,226,589	4,226,589
Free	1,871,917	1,890,979	2,135,942	2,166,977	2,080,096	2,116,270	2,651,266	2,706,083
Dutiable	1,240,830	1,221,768	1,656,124	1,625,089	1,529,867	1,493,693	1,575,323	1,520,506
Per cent free	60.1	60.7	56.3	57.1	57.6	58.6	62.7	64.0
Crude foodstuffs	329,809	335,899	363,032	363,032	424,873	424,873	494,800	494,800
Free	249,600	262,234	279,222	289,567	335,741	345,017	392,942	410,312
Dutiable	80,209	67,575	83,810	73,465	89,132	79,856	101,858	84,488
Per cent free	75.7	79.5	76.9	79.8	79.0	81.2	79.4	82.9
Crude materials	1,179,894	1,179,894	1,406,797	1,406,797	1,258,256	1,258,256	1,748,065	1,748,065
Free	963,150	969,578	1,091,303	1,112,083	977,635	1,004,533	1,400,083	1,437,530
Dutiable	216,744	210,316	315,494	294,714	280,621	253,723	347,982	310,535
Per cent free	81.6	82.2	77.6	79.0	77.7	79.8	80.1	82.2
From Canada	364,025	364,025	416,005	416,005	399,148	399,148	454,235	454,236
Free	277,787	290,421	310,024	320,369	300,330	309,606	331,763	349,133
Dutiable	86,238	73,604	105,981	95,636	98,818	89,542	122,473	105,103

	1926		1927		1928		1929	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	4,430,888	4,430,888	4,184,742	4,184,742	4,091,444	4,091,444	4,399,361	4,399,361
Free	2,853,411	2,894,451	2,621,373	2,668,059	2,610,239	2,667,310	2,843,354	2,878,672
Dutiable	1,577,477	1,536,437	1,562,369	1,516,683	1,475,205	1,424,134	1,556,007	1,520,689
Per cent free	64.4	65.3	62.7	63.8	63.9	65.2	64.6	65.4
Crude foodstuffs	539,818	539,818	504,686	504,686	549,892	549,892	(1)	(1)
Free	438,594	457,676	392,971	408,284	431,587	453,363	(1)	(1)
Dutiable	101,224	82,242	111,715	96,402	118,305	96,529	(1)	(1)
Per cent free	81.2	84.8	77.9	80.9	78.5	82.4	(1)	(1)
Crude materials	1,792,292	1,792,292	1,600,809	1,600,809	1,466,734	1,466,734	1,558,620	1,558,620
Free	1,483,772	1,505,830	1,315,237	1,346,110	1,222,411	1,251,706	1,289,317	1,324,635
Dutiable	308,520	286,462	285,572	254,699	244,323	215,028	269,303	233,985
Per cent free	82.8	84.0	82.2	84.1	83.3	85.3	83.0	85.0
From Canada	475,881	475,881	475,028	475,028	489,303	489,303	(1)	(1)
Free	352,245	371,227	344,193	359,506	355,484	377,260	(1)	(1)
Dutiable	123,636	104,654	130,835	115,522	133,819	112,043	(1)	(1)

[1] All grain for milling-in-bond reported free when entered; therefore no adjustment is necessary.
[2] Includes wheat valued at $139,000 entered free. [3] Wheat valued at $139,000 entered free.

No. 527.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in Table 528. See headnote to that table

Yearly average or year	Per cent of total exports							Per cent of total imports						
	North America		South America	Europe[1]	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	Northern[1]	Southern						Northern	Southern					
1821	4.4	22.0	4.1	65.3	3.6	0.1	0.6	0.7	21.7	2.9	64.2	9.8	0.1	0.7
1830	3.9	20.5	6.4	66.1	2.7	(2)	.3	.6	17.2	7.8	64.0	10.0	(2)	.4
1840	4.9	13.9	4.6	74.4	1.3	.3	.6	1.2	15.7	8.8	62.8	10.9	.2	.5
1850	6.6	9.9	5.4	75.2	2.1	.1	.7	3.0	9.3	9.2	71.0	7.2	(2)	.4
1860	6.9	8.8	4.7	74.8	2.4	1.5	1.0	6.7	12.5	9.9	61.3	8.3	.3	1.0
1865	10.0	20.5	7.2	57.7	1.4	2.4	.8	14.7	19.5	9.7	48.2	6.1	.5	1.4
1870	5.5	7.9	3.9	79.8	1.5	1.0	.5	8.3	17.1	9.9	55.1	8.7	.4	.6
1871–1875	6.4	7.2	4.0	80.2	1.0	.8	.4	5.9	16.6	11.0	55.6	9.7	.7	.6
1876–1880	5.0	5.4	3.3	83.1	1.7	1.1	.6	5.6	17.6	13.8	50.3	11.3	.9	.5
1881–1885	5.4	5.7	3.6	81.1	2.2	1.6	.5	6.3	14.4	11.4	55.1	10.5	1.7	.6
1886–1890	5.2	5.8	4.3	79.3	2.8	2.0	.5	5.6	13.8	11.5	56.0	10.4	2.3	.5
1891–1895	5.5	6.8	3.7	79.5	2.3	1.6	.6	4.6	16.3	14.9	50.6	10.8	2.1	.6
1896–1900	6.9	6.6	3.1	76.7	3.9	2.3	1.5	5.0	10.3	13.2	52.6	14.6	3.1	1.3
1901–1905	8.6	6.7	3.2	72.3	5.3	2.0	1.9	5.4	13.3	12.5	51.3	15.4	.9	1.1
1906–1910	10.2	8.7	4.6	68.2	5.5	1.8	1.0	5.9	13.4	11.7	51.3	15.2	1.2	1.2
1911–1915	14.2	7.7	5.2	64.0	5.6	2.2	1.1	7.7	14.5	12.8	46.6	15.8	1.1	1.4
1915–1920[3]	12.0	7.7	5.6	63.2	8.6	1.7	1.3	12.7	17.6	17.6	20.3	27.1	2.1	2.7
1921–1925	14.3	10.1	6.8	52.7	11.3	3.2	1.6	11.5	14.9	12.2	30.4	27.3	1.6	2.1
1910–1914	14.8	8.4	5.6	62.3	5.6	2.2	1.1	7.0	13.5	12.2	49.5	15.3	1.0	1.3
1915–1919[4]	12.0	6.4	4.7	66.6	7.6	1.6	1.0	12.8	17.5	18.5	20.9	25.6	2.3	2.4
1885	5.5	4.9	3.7	80.7	2.9	1.9	.4	6.4	13.9	11.8	55.2	10.5	2.1	.5
1886	5.2	5.4	3.8	79.7	3.3	2.2	.4	5.9	13.8	10.4	56.3	10.9	2.2	.5
1887	5.1	5.2	4.3	80.3	2.8	1.9	.4	5.5	13.4	11.5	56.4	10.5	2.1	.5
1888	5.4	6.1	4.3	78.9	2.8	2.1	.4	6.0	13.4	11.7	56.2	10.1	2.2	.5
1889	5.7	6.3	4.7	78.0	2.6	2.2	.5	5.8	14.5	12.4	54.1	10.2	2.6	.5
1890	4.9	6.1	4.5	79.7	2.4	1.9	.5	5.0	13.8	11.4	57.1	10.2	2.1	.4
1891	4.5	6.4	3.8	79.7	2.9	2.1	.5	4.7	14.6	14.1	54.5	9.3	2.4	.5
1892	4.4	5.9	3.2	82.6	2.0	1.5	.5	4.3	16.8	18.2	47.3	10.7	2.0	.6
1893	5.8	8.4	3.9	78.1	2.0	1.3	.6	4.4	16.8	11.8	52.9	11.5	1.9	.7
1894	6.6	6.9	3.7	78.6	2.4	1.3	.5	4.8	20.7	15.3	45.1	11.4	2.2	.5
1895	6.7	6.7	4.2	77.8	2.2	1.6	.8	5.1	13.2	15.3	52.4	11.5	1.7	.8
1896	6.9	6.3	4.1	76.3	2.9	1.9	1.6	5.3	11.0	14.0	53.7	12.1	2.5	1.4
1897	6.3	5.6	3.2	77.4	3.7	2.1	1.6	5.3	8.5	14.0	56.3	12.0	2.6	1.2
1898	6.9	4.4	2.7	79.1	3.6	1.8	1.4	5.3	9.6	14.9	49.7	15.7	3.7	1.2
1899	7.3	5.6	2.9	76.3	4.0	2.4	1.5	4.5	11.5	12.4	50.8	16.0	3.2	1.5
1900	7.0	6.5	2.8	74.6	4.8	2.9	1.4	4.7	10.6	11.0	51.8	17.2	3.4	1.3
1901	7.3	6.0	3.0	76.4	3.6	2.1	1.7	5.2	12.4	13.4	52.2	14.8	.8	1.1
1902	8.1	6.7	2.8	73.0	5.0	2.1	2.4	5.4	11.3	13.3	52.6	15.1	.8	1.5
1903	8.9	6.3	2.9	72.5	4.4	2.4	2.7	5.4	13.1	10.5	53.4	15.5	.9	1.2
1904	9.2	6.9	3.5	72.4	4.4	1.9	1.7	5.3	14.7	12.1	50.3	15.7	.8	1.0
1905	9.4	7.7	3.7	67.2	5.9	1.8	1.2	5.7	14.6	13.5	48.4	15.6	1.1	1.0
1906	9.2	8.5	4.3	68.8	6.4	1.7	1.1	5.7	13.5	11.4	51.6	15.7	1.0	1.0
1907	9.9	8.7	4.4	69.0	5.4	1.7	.9	5.2	13.2	11.2	52.1	15.6	1.3	1.5
1908	9.2	8.3	4.5	69.0	6.1	1.9	1.1	6.4	13.6	10.5	50.9	16.0	1.2	1.4
1909	10.1	8.5	4.6	69.0	5.0	1.8	1.0	6.1	13.2	12.5	49.9	15.8	1.3	1.2
1910	12.6	9.5	5.3	65.1	4.5	2.0	1.1	6.2	13.5	12.6	51.8	13.5	1.3	1.1
1911	13.4	8.9	5.3	63.8	5.1	2.3	1.2	6.7	13.3	12.0	50.3	15.1	.8	1.8
1912	15.1	8.3	6.0	60.9	6.4	2.2	1.1	6.7	13.5	13.0	49.6	15.0	.8	1.4
1913	17.0	8.0	5.9	60.0	5.7	2.2	1.2	6.7	13.2	12.0	49.2	16.4	.9	1.5
1914	14.8	7.5	5.3	62.9	6.0	2.4	1.2	8.6	14.0	11.8	47.3	16.1	1.3	1.0
1915	11.1	6.2	3.6	71.2	5.0	1.9	1.0	9.6	18.6	15.6	36.7	16.2	1.7	1.5
1915 (6 mos.)	11.0	6.5	4.5	69.7	5.1	2.1	1.1	11.8	15.4	18.2	29.8	21.0	2.0	1.8
1916	11.2	5.7	4.0	69.6	7.1	1.5	1.0	10.0	17.5	17.9	26.5	23.0	2.5	2.6
1917	13.5	6.8	5.0	65.2	7.5	1.2	.8	14.2	15.3	20.3	18.7	27.8	1.2	2.5
1918	14.6	6.9	4.9	62.8	8.1	1.8	1.0	15.1	17.1	20.2	10.5	31.0	3.4	2.8
1919	9.5	6.9	5.6	65.5	9.7	1.6	1.2	12.8	16.8	17.6	19.2	28.4	2.3	2.9
1920	12.0	11.5	7.6	54.3	10.6	2.1	2.0	11.6	19.9	14.4	23.3	26.5	1.5	2.8
1921	13.4	11.8	6.1	52.7	11.9	2.5	1.6	13.5	16.6	11.8	30.5	24.6	1.4	1.6
1922	15.2	8.7	5.9	54.4	11.7	2.7	1.5	11.8	14.6	11.5	31.8	26.6	1.6	2.1
1923	15.8	10.2	6.5	50.2	12.3	3.5	1.5	11.0	15.4	12.3	30.5	26.9	1.6	2.3
1924	13.8	9.9	6.8	53.3	11.2	3.4	1.5	11.1	16.4	12.9	30.4	25.8	1.4	2.0
1925	13.4	9.8	8.2	53.0	9.9	3.9	1.8	10.9	12.3	12.3	29.3	31.2	1.8	2.2
1926	15.5	8.9	9.2	48.0	11.7	4.4	2.1	11.0	11.9	12.8	29.0	31.6	1.5	2.2
1927	17.3	8.4	9.0	47.6	11.5	4.0	2.2	11.6	12.0	12.4	30.5	30.0	1.3	2.2
1928	18.1	7.7	9.4	49.3	12.8	3.5	2.3	12.2	11.3	13.9	30.5	28.6	1.3	2.2
1929	18.3	8.3	10.3	44.7	12.3	3.7	2.5	11.7	10.6	14.5	30.3	29.1	1.3	2.5

[1] See headnotes to Table 528 and Table 529.
[2] Less than one-tenth of 1 per cent
[3] Period July 1, 1915, to Dec. 31, 1920.
[4] Fiscal years.

No. 528.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years averages for 1910–1914 and 1915–1919. The Philippine Islands are included with Asia for all years; adjusted for recent years for grain shipments to Canada which are actually in transit to Europe aro

Yearly average or year	Exports							
	Total	North America		South America	Europe [1]	Asia	Oceania	Africa
		Northern [1]	Southern					
1821	54, 496	2, 392	11, 965	2, 208	35, 575	1, 977	71	309
1830	71, 671	2, 802	14, 723	4, 586	47, 303	1, 906	27	234
1840	123, 669	6, 090	17, 241	5, 714	92, 039	1, 560	330	696
1850	144, 376	9, 519	14, 284	7, 730	108, 638	3, 028	190	987
1860	333, 576	22, 883	29, 273	15, 706	249, 425	8, 100	4, 962	3, 227
1865	166, 029	16, 618	34. 003	12, 026	95, 744	2, 350	4, 016	1, 273
1870	392, 772	21, 703	31, 100	15, 188	313, 315	5, 773	3, 873	1, 820
1871–1875	501, 841	32, 034	36, 188	20, 235	402, 268	5, 020	3, 969	2, 117
1876–1880	676, 761	33, 714	36, 303	22, 087	562, 202	11, 236	7, 437	3, 782
1881–1885	791, 892	42, 636	44, 836	28, 212	641, 824	17, 526	12, 785	4, 074
1886–1890	738, 379	38, 758	43, 053	32, 046	585, 081	20, 389	15, 070	3. 382
1891–1895	892, 421	49, 310	60, 724	33, 247	709, 239	20, 672	13, 965	5, 263
1896–1900	1, 157, 318	79, 961	65, 375	35, 699	887, 401	45, 263	26, 338	17, 281
1901–1905	1, 453, 803	124, 560	97, 733	46, 246	1, 050, 540	76, 942	29, 738	28, 044
1906–1910	1, 778, 697	180, 836	154, 743	82, 142	1, 212, 978	97, 240	32, 358	18, 400
1911–1915	2, 370, 539	337, 091	182, 315	122, 243	1, 517, 404	133, 348	51, 506	26, 632
1915–1920 [2]	6, 521, 190	780, 221	503, 430	360, 744	4, 123, 523	562, 476	109, 121	81. 668
1921–1925	4. 397, 026	627, 381	444, 578	297, 115	2, 317, 944	498, 853	141, 426	69, 729
1910–1914	2, 165, 818	319, 890	181, 205	121, 028	1, 350, 300	121, 042	47, 715	24, 638
1915–1919 [2]	5. 308, 823	638, 704	340, 971	250, 837	3, 534, 473	403, 716	87, 282	52, 860
1885	742, 190	40, 539	36, 225	27, 735	599, 241	21, 444	13, 818	3, 187
1886	679, 525	35, 184	36, 797	26, 132	541, 373	22, 594	14, 644	2, 801
1887	716, 183	39, 475	36, 951	30, 744	575, 300	20, 116	13, 720	2, 877
1888	695, 955	37, 637	42, 359	29, 579	549, 093	19, 584	14, 580	3, 123
1889	742, 401	42, 528	47, 023	35, 021	578, 903	19, 371	16, 060	3, 497
1890	857, 829	41, 967	52, 133	38, 753	683, 736	20, 279	16, 346	4, 614
1891	884, 481	39, 844	56, 705	33, 708	704, 798	26, 170	18, 497	4, 758
1892	1, 030, 278	45, 260	60, 306	33, 148	850, 623	20, 368	15, 512	5, 061
1893	847, 665	48, 826	70, 903	32, 039	661, 977	17, 017	11, 046	5, 196
1894	892, 141	58, 470	61, 223	33, 212	700, 871	21, 668	11, 772	4, 924
1895	807, 538	54, 152	54, 424	33, 526	627, 928	18, 134	12, 997	6, 378
1896	882, 607	61, 231	55, 336	36, 298	673, 044	25, 792	17, 035	13, 871
1897	1, 050, 994	66, 196	68, 762	33, 769	813, 386	39, 370	22, 558	16, 953
1898	1, 231, 482	85, 095	54, 533	33, 822	973, 806	44, 836	21, 875	17, 516
1899	1, 227, 023	89, 765	68, 167	35, 660	936, 602	48, 764	29, 471	18, 594
1900	1, 394, 483	97, 517	90, 078	38, 946	1, 040, 168	67, 554	40, 751	19, 470
1901	1, 487, 765	107, 967	88, 567	44, 400	1, 136, 505	53, 418	31, 305	25, 543
1902	1, 381, 719	111, 877	92, 094	38, 044	1, 008, 034	69, 203	29, 000	33, 469
1903	1, 420, 142	125. 967	89, 515	41, 138	1, 029, 257	62, 308	33. 430	38, 437
1904	1, 460, 827	133, 960	100, 950	50. 755	1, 057, 930	64. 984	28, 018	24, 230
1905	1, 518, 562	143, 030	117, 540	56, 894	1, 020, 973	134, 705	26, 879	18, 541
1906	1, 743, 865	159, 806	148, 577	75, 160	1, 200, 166	110, 911	29, 682	19, 562
1907	1, 880, 851	186, 176	163, 664	82, 157	1, 298, 452	101, 365	32, 525	16, 511
1908	1, 860, 773	170, 669	154, 005	83, 584	1, 283, 600	113, 247	35, 327	20, 341
1909	1, 663, 011	167, 423	142, 054	76, 562	1, 146, 755	82, 982	30, 200	17, 035
1910	1, 744, 985	220, 104	165, 416	93, 247	1, 135. 915	77, 694	34, 057	18, 551
1911	2, 049, 320	274, 478	182, 582	108, 895	1, 308, 276	105, 146	46, 338	23, 607
1912	2, 204, 322	333, 900	182, 938	132, 810	1, 341, 733	141, 198	48, 200	24, 043
1913	2, 465, 884	420, 404	197, 009	146, 148	1, 479, 075	140, 441	53, 718	29, 089
1914	2, 364, 579	350, 563	178, 082	124, 540	1, 486, 499	140, 730	56, 264	27, 902
1915	2, 768, 589	306, 112	170, 904	99, 324	1, 971, 435	139, 226	53, 009	28. 520
1915 (6 mos.)	1, 852, 862	203, 475	119, 952	83, 555	1, 291, 914	94, 712	38, 254	21, 000
1916	5, 482, 641	613, 416	311, 137	220, 267	3, 813, 278	387, 735	82, 797	54, 011
1917	6, 233, 513	839, 305	422, 398	311, 893	4, 061, 729	469, 402	77, 402	51, 384
1918	6, 149, 088	900, 248	425, 238	302, 710	3, 858, 698	498, 477	104, 519	59, 198
1919	7, 920, 426	749, 950	545, 842	441, 748	5, 187, 666	771, 717	125, 585	97, 918
1920	8, 228, 016	984, 818	944, 345	623, 917	4, 466, 091	871, 579	171, 605	165, 662
1921	4, 485, 031	600, 434	529, 146	273, 325	2, 363, 899	532, 615	112, 766	72, 847
1922	3, 831, 777	583, 451	332, 203	226, 075	2, 083, 357	448, 970	101, 945	55, 776
1923	4, 167, 493	660, 507	425, 661	269, 318	2, 093, 415	511, 498	146, 423	60, 671
1924	4, 590, 984	633, 876	456, 165	314, 252	2, 445, 300	514, 592	156, 505	70, 294
1925	4, 909, 848	658, 640	479, 714	402. 606	2, 603, 750	486, 592	189, 480	89, 057
1926	4, 808, 660	747, 685	428, 797	443, 507	2, 310, 144	564, 513	212, 705	101, 279
1927	4, 865, 376	845, 307	407, 720	438, 150	2, 313, 782	559, 605	193, 714	107, 088
1928	5, 128, 357	924, 172	397, 195	480, 815	2, 374, 916	664, 514	180, 033	116, 713
1929	5, 240, 995	961, 473	433, 590	539, 310	2, 340, 848	643, 215	192, 022	130, 535

[1] See headnote and supplemental Table 529 on p. 484.

IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

to and including 1915, calendar years thereafter, except as noted. See headnote, Table 524, concerning Hawaiian Islands are with Oceania prior to 1901. Exports to Northern North America and to Europe shown in Table 529, p. 484

General imports								Yearly average or year
Total	North America		South America	Europe	Asia	Oceania	Africa	
	Northern	Southern						
54, 521	402	11, 816	1, 570	35, 000	5, 324	34	375	1821.
62, 721	398	10, 793	4, 919	40, 117	6, 241	18	234	1830.
98, 259	1, 228	15, 421	8, 606	61, 721	10, 686	152	445	1840.
173, 509	5, 180	16, 116	16, 038	123, 115	12, 434	9	618	1850.
353, 616	23, 730	44, 180	34, 929	216, 661	29, 239	1, 170	3, 706	1860.
238, 746	35, 007	46, 663	23, 221	115, 002	14, 449	1, 124	3, 279	1865.
435, 958	36, 265	74, 435	42, 964	240, 187	37, 773	1, 612	2, 722	1870.
577, 873	33, 840	96, 124	63, 357	321, 067	55, 794	3, 955	3, 739	1871–1875.
492, 570	27, 600	86, 646	68, 185	247, 520	55, 635	4, 619	2, 365	1876–1880.
667, 142	41, 989	96, 309	75, 940	367, 542	69, 906	11, 370	4, 085	1881–1885.
717, 231	40, 236	98, 819	82, 427	401, 745	74, 439	10, 158	3, 406	1886–1890.
785, 137	36, 335	128, 043	116, 797	397, 622	85, 169	16, 257	4, 914	1891–1895.
741, 519	37, 266	76, 007	97, 713	389, 843	107, 999	22, 781	9, 910	1896–1900.
972, 162	52, 762	129, 634	121, 748	498, 296	149, 537	9, 035	11, 151	1901–1905.
1, 344, 838	79, 511	180, 192	157, 126	689, 338	205, 041	16, 601	16, 529	1906–1910.
1, 712, 319	131, 455	248, 943	219, 923	798, 115	270, 797	19, 020	24, 065	1911–1915.
3, 358, 354	425, 337	588, 103	591, 295	682, 298	910, 340	70, 134	90, 848	1916–1920.[1]
3, 450, 103	396, 669	514, 233	421, 336	1, 049, 494	942, 878	53, 994	71, 499	1921–1925.
1, 688, 874	118, 518	228, 618	206, 858	836, 498	258, 534	17, 276	22, 573	1910–1914.
2, 514, 557	321, 382	439, 019	466, 212	525, 122	642, 479	59, 002	61, 342	1915–1919.[1]
577, 527	36, 979	80, 471	65, 290	318, 733	60, 854	12, 069	3, 131	1885.
635, 436	37, 505	87, 927	65, 875	357, 538	69, 398	13, 964	3, 228	1886.
692, 320	38, 087	92, 704	79, 764	390, 728	72, 875	14, 604	3, 557	1887.
723, 957	43, 116	96, 703	84, 356	407, 052	73, 213	16, 205	3, 312	1888.
745, 132	43, 039	107, 826	92, 135	403, 421	75, 846	19, 253	3, 610	1889.
780, 310	39, 434	108, 934	90, 006	449, 987	80, 863	16, 764	3, 321	1890.
844, 916	39, 450	123, 776	118, 737	459, 305	78, 987	20, 454	4, 207	1891.
827, 402	35, 335	138, 719	150, 728	391, 628	88, 850	16, 824	5, 318	1892.
866, 401	38, 254	145, 479	102, 208	458, 450	99, 316	16, 838	5, 857	1893.
654, 995	31, 444	135, 519	100, 147	295, 078	74, 878	14, 450	3, 479	1894.
731, 970	37, 191	96, 724	112, 167	383, 646	83, 813	12, 720	5, 700	1895.
779, 725	41, 376	85, 501	108, 828	418, 639	94, 575	19, 632	11, 173	1896.
764, 730	40, 863	65, 061	107, 389	430, 192	91, 678	20, 017	9, 530	1897.
616, 050	32, 404	58, 973	92, 092	305, 934	96, 425	23, 029	7, 194	1898.
697, 148	31, 690	80, 460	86, 588	353, 885	111, 501	22, 588	10, 436	1899.
849, 941	39, 999	90, 037	93, 607	440, 567	145, 814	28, 640	11, 218	1900.
823, 172	42, 935	102, 223	110, 367	429, 620	122, 099	6, 974	8, 954	1901.
903, 321	48, 846	102, 230	119, 786	475, 162	136, 295	7, 554	13, 448	1902.
1, 025, 719	55, 669	134, 067	107, 428	547, 227	159, 075	9, 671	12, 582	1903.
991, 087	52, 701	146, 078	120, 364	498, 697	155, 576	8, 244	9, 427	1904.
1, 117, 513	63, 657	163, 572	150, 796	540, 773	174, 641	12, 731	11, 344	1905.
1, 226, 562	69, 603	165, 750	140, 423	633, 292	192, 434	12, 432	12, 629	1906.
1, 434, 421	74, 813	188, 763	160, 166	747, 291	223, 986	18, 275	21, 127	1907.
1, 194, 342	76, 301	162, 515	124, 999	608, 014	191, 332	14, 891	16, 291	1908.
1, 311, 920	80, 467	173, 533	163, 879	654, 323	206, 982	17, 628	15, 109	1909.
1, 556, 947	96, 371	210, 397	196, 165	806, 270	210, 473	19, 782	17, 490	1910.
1, 527, 226	102, 204	203, 233	182, 624	768, 168	230, 850	12, 874	27, 214	1911.
1, 653, 265	110, 145	223, 927	215, 089	819, 585	248, 725	13, 207	22, 586	1912.
1, 813, 008	121, 764	240, 179	217, 735	892, 866	297, 505	16, 533	26, 425	1913.
1, 893, 926	162, 046	265, 353	222, 677	895, 603	305, 115	23, 982	19, 149	1914.
1, 674, 170	161, 055	312, 025	261, 490	614, 355	271, 790	28, 502	24, 953	1915.
912, 787	107, 626	140, 821	166, 239	271, 684	191, 607	18, 021	16, 730	1915 (6 mos.).
2, 391, 635	240, 161	418, 277	427, 610	633, 317	550, 866	59, 511	61, 893	1916.
2, 952, 468	419, 124	452, 858	598, 819	551, 145	820, 624	36, 835	73, 064	1917.
3, 031, 213	457, 660	516, 955	610, 931	318, 121	939, 301	102, 737	85, 506	1918.
3, 904, 365	500, 165	657, 609	687, 525	750, 528	1, 107, 733	88, 616	112, 188	1919.
5, 278, 481	614, 618	1, 048, 045	760, 999	1, 227, 843	1, 396, 677	80, 014	150, 285	1920.
2, 509, 148	337, 632	417, 217	295, 623	764, 942	617, 862	35, 499	40, 373	1921.
3, 112, 747	366, 524	455, 930	358, 763	991, 203	826, 886	48, 517	64, 924	1922.
3, 792, 066	418, 348	583, 169	467, 421	1, 157, 056	1, 019, 811	59, 200	87, 061	1923.
3, 609, 963	402, 047	593, 108	466, 074	1, 096, 087	930, 708	48, 945	72, 992	1924.
4, 226, 589	458, 791	521, 742	518, 797	1, 238, 181	1, 319, 126	77, 808	92, 144	1925.
4, 430, 888	485, 503	526, 067	567, 979	1, 285, 863	1, 400, 701	68, 355	96, 420	1926.
4, 184, 742	484, 499	500, 959	518, 275	1, 276, 406	1, 256, 758	54, 531	93, 255	1927.
4, 091, 444	499, 959	460, 743	569, 410	1, 248, 749	1, 168, 928	53, 450	90, 207	1928.
4, 399, 361	514, 370	497, 159	639, 758	1, 332, 630	1, 280, 279	56, 557	108, 608	1929.

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years ended June 30.

No. 529.—SUPPLEMENT TO TABLES 527, 528, AND 538: ADJUSTED FIGURES OF EXPORTS TO CANADA, NORTH AMERICA, NORTHERN NORTH AMERICA, AND EUROPE

NOTE.—Especially since 1920 large quantities of United States grain have been shipped through Canada (mostly via Montreal) to other foreign countries. Since the final destination is customarily not known when shipped, this grain is reported as an export to Canada, but as a matter of fact practically all of it except from five to ten million dollars' worth of corn annually goes thence to Europe. In the following table the reported figures of total value of exports are adjusted on the assumption that all this grain was destined for Europe, an assumption adopted for convenience and involving only a small margin of error. Figures cover fiscal years for 1910–1914; calendar, for all other years

[Millions and tenths of millions of dollars]

Yearly average or year	Grain reported as exported to Canada	Adjusted figures deducting such grain from exports to Canada and adding to exports to Europe						
		Values of exports to—				Per cent of exports to entire world to—		
		Canada	Northern North America	North America	Europe	Northern North America	North America	Europe
1910–1914	7.1	308.0	313.0	494.0	1,357.4	14.4	22.8	62.7
1921–1925	72.3	546.6	555.0	999.6	2,390.3	12.6	22.7	54.4
1913	6.5	594.7	402.3	594.7	1,506.1	16.2	23.9	60.6
1919	18.8	715.4	731.1	1,277.0	5,206.5	9.2	16.1	65.7
1920	70.5	901.3	914.3	1,858.7	4,536.6	11.1	22.5	55.1
1921	79.9	513.8	520.6	1,049.7	2,443.8	11.6	23.4	54.5
1922	78.5	408.2	505.0	837.2	2,161.9	13.2	21.8	56.4
1923	40.6	611.3	619.9	1,045.6	2,134.0	14.9	25.1	51.2
1924	105.6	518.4	528.2	984.4	2,550.9	11.5	21.4	55.6
1925	57.2	591.5	601.4	1,081.1	2,661.0	12.2	22.0	54.2
1926	56.2	682.3	691.5	1,120.3	2,366.4	14.4	23.3	49.2
1927	113.9	722.6	731.4	1,139.1	2,427.7	15.0	23.4	49.9
1928	82.8	831.9	841.4	1,238.6	2,457.7	16.4	24.2	47.9
1929	49.4	899.0	912.1	1,345.7	2,390.3	17.4	25.7	45.6

No. 530.—SUPPLEMENT TO TABLES 531, 532, AND 533: ADJUSTED FIGURES OF EXPORTS OF UNITED STATES MERCHANDISE TO NORTH AMERICA AND EUROPE BY ECONOMIC CLASSES

[All figures except percentages in thousands of dollars. See headnote to Table 529]

	1910–1914	1921–1925	1926	1927	1928	1929
ADJUSTED EXPORTS, (GRAINS EXPORTED TO CANADA TREATED AS EXPORTED TO EUROPE)[1]						
North America	476,127	956,958	1,057,263	1,070,697	1,178,728	1,292,163
Foodstuffs	79,049	168,135	163,591	152,947	155,189	159,352
Crude foodstuffs	24,394	55,464	55,633	51,635	51,828	54,355
Europe	1,340,920	2,351,854	2,336,814	2,393,754	2,424,964	2,364,220
Foodstuffs	306,733	768,322	568,980	638,315	505,376	479,850
Crude foodstuffs	96,722	348,721	251,153	353,769	353,270	193,559
Per cent of total exports of foodstuffs exported to—						
North America	18.8	16.5	19.5	17.3	20.4	21.7
Europe	72.8	75.2	67.9	72.2	66.5	63.6
Percentage distribution of total adjusted exports to—						
North America	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	18.1	17.3	17.4	16.8	15.2	14.6
Foodstuffs	16.6	17.6	15.5	14.3	13.2	12.3
Semimanufactures	14.8	12.8	14.7	14.8	14.4	14.5
Finished manufactures	50.5	52.3	52.4	54.1	57.2	58.5
Europe	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	44.4	37.1	37.5	33.5	36.6	32.2
Foodstuffs	22.9	32.7	24.3	26.7	20.8	20.3
Semimanufactures	17.1	11.2	12.0	14.4	14.3	14.7
Finished manufactures	15.6	19.0	25.3	25.4	26.2	32.8

[1] See Table 529 for grain exports to Canada and for reasons for adjustments.

No. 531.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30; thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years; therefore, Asia and Oceania are combined for the averages

	1905–1909 [1]	1910–1914 [1]	1921–1925 [1]	1926	1927	1928	1929
EXPORTS OF U. S. MERCHANDISE							
North America [2]	297.6	483.3	1,039.3	1,113.5	1,184.6	1,261.5	1,341.6
Crude materials	56.5	86.2	165.9	184.2	179.7	178.9	189.1
Crude foodstuffs [2]	20.8	31.5	127.8	111.9	165.6	134.6	103.8
Manufactured foodstuffs	39.3	54.7	112.7	108.0	101.3	103.4	105.0
Semimanufactures	35.9	70.4	122.6	155.6	158.5	170.1	187.2
Finished manufactures	145.1	240.6	500.3	553.9	579.6	674.5	756.5
South America	74.4	120.5	294.1	440.9	435.6	477.8	536.7
Crude materials	.8	2.7	7.9	16.8	6.3	3.4	5.3
Crude foodstuffs	.9	1.3	4.0	11.7	6.8	6.8	7.1
Manufactured foodstuffs	8.5	11.9	21.9	31.4	28.4	28.4	32.8
Semimanufactures	11.5	21.8	46.1	67.6	76.9	71.8	68.3
Finished manufactures	52.7	82.8	214.3	314.3	317.2	364.7	423.2
Europe [2]	1,178.0	1,333.8	2,279.5	2,280.6	2,279.8	2,342.2	2,314.8
Crude materials	459.7	594.9	873.5	876.2	802.9	802.2	761.0
Crude foodstuffs [2]	131.0	89.6	276.4	194.9	239.8	141.5	144.2
Manufactured foodstuffs	255.5	210.0	419.6	317.8	284.5	281.1	286.3
Semimanufactures	174.4	229.8	263.7	300.5	345.6	347.7	348.7
Finished manufactures	157.5	209.5	446.3	591.2	607.0	683.7	774.6
Asia [3]	139.0	166.2	637.7	563.4	558.9	653.0	642.0
Crude materials	17.2	27.1	135.0	165.5	191.3	209.6	173.3
Crude foodstuffs	2.8	3.1	13.9	14.5	7.9	10.2	13.4
Manufactured foodstuffs	15.1	15.2	35.7	33.0	36.2	39.1	47.4
Semimanufactures	14.2	17.1	96.4	103.6	88.1	93.8	94.8
Finished manufactures	89.6	105.8	355.6	246.7	235.0	294.3	313.1
Oceania				212.1	193.2	179.8	191.6
Crude materials				10.3	8.3	9.1	8.9
Crude foodstuffs				.7	.6	.7	.8
Manufactured foodstuffs				5.7	4.9	4.9	4.9
Semimanufactures				20.7	22.7	18.8	21.6
Finished manufactures				174.6	156.7	146.1	155.4
Africa	18.4	24.6	69.6	101.2	107.0	116.0	130.4
Crude materials	1.4	2.3	6.4	9.2	4.3	4.0	4.8
Crude foodstuffs	2.1	1.0	1.7	1.3	.4	.3	.4
Manufactured foodstuffs	3.7	3.2	6.8	7.1	7.9	6.9	7.9
Semimanufactures	1.6	2.5	5.7	7.5	7.9	8.1	8.4
Finished manufactures	9.5	15.6	49.0	76.1	86.4	96.7	108.9
GENERAL IMPORTS							
North America	243.8	347.1	910.9	1,011.6	985.5	960.7	981.5
Crude materials	76.8	114.0	[4] 206.0	223.9	207.7	193.1	159.3
Crude foodstuffs	35.2	53.8	[4] 113.4	147.3	144.7	156.3	149.6
Manufactured foodstuffs	74.2	102.7	[4] 292.3	238.1	233.9	203.6	204.5
Semimanufactures	39.7	46.4	[4] 142.4	189.8	170.7	176.5	217.0
Finished manufactures	17.9	30.1	[4] 156.8	212.5	208.4	231.2	251.2
South America	148.1	206.9	421.3	568.0	518.3	569.4	639.8
Crude materials	57.2	78.9	131.6	157.1	164.6	175.3	210.2
Crude foodstuffs	70.5	95.6	197.7	307.3	268.0	291.8	291.2
Manufactured foodstuffs	2.6	3.2	8.7	9.9	9.7	12.4	18.9
Semimanufactures	16.9	26.8	78.1	89.4	71.3	85.2	113.9
Finished manufactures	.8	2.4	5.3	4.3	4.6	4.7	5.5
Europe	836.7	836.5	1,049.5	1,285.9	1,276.5	1,248.7	1,332.6
Crude materials	166.8	229.4	[4] 253.9	306.7	281.1	261.0	257.8
Crude foodstuffs	21.3	30.3	27.7	32.5	34.1	40.5	36.1
Manufactured foodstuffs	55.0	70.9	79.7	97.7	100.0	96.5	100.7
Semimanufactures	138.1	196.5	[4] 263.5	361.2	339.1	332.4	357.2
Finished manufactures	255.5	309.4	[4] 424.6	487.8	522.1	518.4	580.7
Asia [3]	313.1	275.8	996.9	1,400.7	1,258.8	1,168.9	1,280.3
Crude materials	113.1	151.0	655.3	989.4	852.3	747.5	828.7
Crude foodstuffs	20.7	23.0	34.0	37.2	37.7	43.0	38.5
Manufactured foodstuffs	19.5	17.5	[4] 66.9	65.6	81.9	86.3	91.9
Semimanufactures	23.3	37.1	[4] 108.7	138.6	144.1	142.5	168.5
Finished manufactures	36.5	47.2	[4] 131.9	169.8	140.8	148.7	152.8
Oceania				68.4	54.5	53.5	56.6
Crude materials				59.4	47.0	44.2	44.6
Crude foodstuffs				.4	.4	.1	.2
Manufactured foodstuffs				5.7	4.7	6.7	6.7
Semimanufactures				1.6	1.3	1.2	3.7
Finished manufactures				1.2	1.1	1.2	1.3
Africa	15.3	22.6	71.5	96.4	93.3	90.2	108.6
Crude materials	14.7	21.6	46.2	55.5	48.0	45.6	58.0
Crude foodstuffs	.3	.4	10.5	15.1	19.7	17.3	22.9
Manufactured foodstuffs	[5]	[5]	.6	.7	.6	.3	.9
Semimanufactures	.1	.3	13.1	24.0	23.3	25.1	24.7
Finished manufactures	.2	.2	1.1	1.0	1.5	2.0	2.1

[1] Average for period. [2] See headnote to Table 529 and Supplemental Table 530.
[3] "Asia and Oceania" for 1905 to 1925. [4] Revised. [5] Less than $50,000.

No. 532.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in Table 531, except calculations were made from the full figures. See also Supplemental Table 530

Continent	1905–1909, average	1910–1914, average	1921–1925, average	1927	1928	1929	1905–1909, average	1910–1914, average	1921–1925, average	1927	1928	1929
	Crude materials						Foodstuffs					
Exports (U. S. mdse.):												
North America	10.6	12.1	14.0	15.1	13.8	16.6	12.5	20.4	23.5	30.2	31.3	27.7
South America	.1	.4	.7	.5	.3	.5	2.0	3.1	2.5	4.0	5.0	5.3
Europe	85.8	83.4	73.5	67.3	68.7	66.6	80.6	71.1	68.1	59.3	55.6	57.1
Asia and Oceania	3.2	3.8	11.4	16.7	16.9	15.9	3.7	4.3	5.0	5.6	7.2	8.8
Africa	.3	.3	.5	.4	.3	.4	1.2	1.0	.8	.9	.9	1.1
General imports:												
North America	17.9	19.2	[1]15.9	13.0	13.2	10.2	36.5	39.4	[1]48.8	41.7	37.7	30.8
South America	13.4	13.3	10.2	10.3	12.0	13.5	24.4	24.9	24.8	29.1	31.8	32.2
Europe	38.9	38.6	[1]19.6	17.6	17.8	16.5	25.5	25.4	12.9	14.0	14.3	14.2
Asia and Oceania	26.4	25.4	50.7	56.2	54.0	56.0	13.4	10.2	[1]12.1	13.1	14.3	14.3
Africa	3.4	3.6	3.6	3.0	3.1	3.7	.1	.1	1.3	2.1	1.8	2.5
	Semimanufactures						Finished manufactures					
Exports (U. S. mdse.):												
North America	15.1	20.6	22.9	22.6	23.7	25.7	31.9	36.8	32.0	29.2	29.8	29.9
South America	4.8	6.4	8.6	11.0	10.0	9.4	11.6	12.7	13.7	16.0	16.1	16.7
Europe	73.4	67.3	49.3	49.4	48.5	47.8	34.7	32.0	28.5	30.6	30.3	30.6
Asia and Oceania	6.0	5.0	18.0	15.8	16.6	16.0	19.7	16.2	22.7	19.8	19.5	18.5
Africa	.7	.7	1.1	1.1	1.1	1.2	2.1	2.4	3.1	4.4	4.3	4.3
General imports:												
North America	18.2	15.1	[1]23.5	22.8	23.1	24.5	5.8	7.7	[1]21.8	23.7	25.5	25.3
South America	7.7	8.7	12.9	9.5	11.2	12.9	.3	.6	.7	.5	.5	.6
Europe	63.3	64.0	[1]43.5	45.2	43.6	40.4	82.2	70.5	[1]59.0	59.4	57.2	58.5
Asia and Oceania	10.7	12.1	[1]17.9	19.4	18.8	19.5	11.7	12.1	[1]18.3	16.2	16.5	15.5
Africa	(2)	.1	2.2	3.1	3.3	2.8	.1	.1	.2	.2	.2	.2

[1] Revised. [2] Less than one-tenth of 1 per cent.

No. 533.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in Table 531, except calculations were made from the full figures. See also Supplemental Table 530

Class	1905–1909, average	1910–1914, average	1921–1925, average	1927	1928	1929	1905–1909, average	1910–1914, average	1921–1925, average	1927	1928	1929
	North America						South America					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	19.0	17.8	16.1	15.2	14.2	14.1	1.1	2.2	2.7	1.4	.7	1.0
Foodstuffs	20.2	17.8	23.4	22.5	18.0	15.6	12.7	10.9	8.8	8.1	7.9	7.4
Semimanufactures	12.0	14.6	11.9	13.4	13.5	14.0	15.5	18.1	15.7	17.6	15.0	12.7
Finished manufactures	48.8	49.8	48.6	48.9	53.5	56.4	70.8	68.7	72.9	72.8	76.3	78.8
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	31.5	32.9	[1]22.6	21.1	20.1	16.2	38.7	38.1	31.2	31.8	30.8	32.9
Foodstuffs	44.9	45.1	[1]44.5	40.5	37.5	36.1	49.4	47.8	49.0	53.6	53.4	48.5
Semimanufactures	16.3	13.4	[1]15.6	17.3	18.4	22.1	11.4	13.0	18.5	13.8	15.0	17.3
Finished manufactures	7.4	8.7	[1]17.2	21.2	24.1	25.6	.5	1.1	1.3	.9	.8	.8
	Europe						Asia and Oceania					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	39.0	44.6	38.3	35.2	37.9	32.9	12.4	16.1	21.2	26.6	26.3	21.8
Foodstuffs	32.8	22.5	30.5	23.0	18.0	18.6	12.9	10.8	7.9	6.6	6.6	8.0
Semimanufactures	14.8	17.2	11.6	15.2	14.8	15.1	10.2	10.2	15.1	14.7	14.2	14.0
Finished manufactures	13.4	15.7	19.6	26.6	29.2	33.5	64.5	62.9	55.8	52.1	52.9	56.2
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	26.2	27.4	[1]24.2	22.0	20.9	19.3	53.1	54.7	65.7	68.0	64.8	65.3
Foodstuffs	12.0	12.1	10.2	10.5	11.0	10.3	18.9	14.7	[1]10.1	9.5	11.2	10.3
Semimanufactures	21.7	23.5	[1]25.1	26.6	26.6	26.8	10.9	13.5	[1]10.9	11.1	11.8	12.0
Finished manufactures	40.1	37.0	[1]40.5	40.9	41.5	43.6	17.1	17.1	[1]13.2	10.8	12.3	11.5

[1] Revised.

No. 534.—EXPORTS OF UNITED STATES MERCHANDISE BY ECONOMIC CLASSES AND PRINCIPAL COUNTRIES, 1928 AND 1929

NOTE.—In thousands of dollars. Owing to indirect trade the United States statistics greatly understate the United States exports to Austria, Czechoslovakia, Poland and Danzig, and Switzerland. Statistics of those countries showed imports from the United States, in 1929, as follows: Austria, $27,482,000; Czechoslovakia, $32,096,000; Poland and Danzig, $43,046,000; and Switzerland, $56,197,000

Country	1928					1929				
	Total	Crude materials	Food stuffs	Semi-manufactures	Finished manufactures	Total	Crude materials	Food-stuffs	Semi-manufactures	Finished manufactures
Grand total	5,030,099	1,293,257	760,488	716,352	2,260,002	5,157,083	1,142,352	753,395	729,013	2,531,323
Northern North America	871,326	185,874	144,617	119,873	440,961	915,024	175,559	114,936	131,915	492,616
Canada—										
Reported	861,977	185,241	141,748	119,197	435,791	902,144	174,456	111,277	130,901	485,511
Adjusted	779,207	185,241	58,978	119,197	435,791	852,741	174,456	61,874	130,901	485,511
Newfoundland and Labrador	9,102	617	2,845	667	4,974	12,379	960	3,616	932	6,872
Southern North America	390,174	13,037	93,343	50,238	233,556	426,540	13,555	93,819	55,251	263,915
Mexico	113,434	2,890	19,038	15,406	76,100	132,189	2,978	20,150	18,962	90,099
British West Indies	23,180	1,341	5,136	2,650	14,053	27,009	1,440	5,552	2,887	17,130
Cuba	125,024	4,871	38,497	14,469	67,187	125,279	5,326	35,876	16,784	67,293
Netherland West Indies	13,575	235	1,612	1,353	10,375	24,104	161	2,489	2,545	18,909
South America	477,765	3,375	37,880	71,791	364,719	536,704	5,274	39,934	68,320	423,175
Argentina	178,446	1,186	6,073	30,381	140,806	209,875	2,238	7,940	28,346	171,350
Brazil	99,865	951	7,729	13,070	78,115	108,503	1,226	7,662	11,361	88,254
Chile	40,208	82	1,487	9,848	28,790	55,564	141	1,507	10,330	43,587
Colombia	57,311	287	8,716	5,192	43,116	48,070	468	8,799	4,331	34,472
Peru	23,207	89	4,438	3,936	14,745	25,995	166	3,484	5,282	17,063
Uruguay	25,679	111	1,801	4,202	19,475	28,178	114	1,403	3,633	23,027
Venezuela	37,620	113	4,733	3,880	28,894	44,856	281	6,335	3,884	34,356
Europe	2,342,193	888,208	422,605	347,690	683,689	2,314,818	761,016	430,446	348,736	774,619
Austria	5,930	503	194	697	4,536	5,189	563	353	587	3,686
Belgium	110,663	25,838	17,869	21,119	45,837	113,984	23,225	22,177	17,950	50,632
Czechoslovakia	5,296	306	275	244	4,470	6,059	251	446	436	4,926
Denmark	46,965	2,880	16,180	4,175	23,729	51,183	3,352	14,764	3,540	29,527
France	237,091	97,870	11,916	42,587	84,717	262,519	94,511	12,022	49,160	106,827
Germany	460,154	241,115	73,921	71,780	73,338	401,694	188,475	71,730	68,905	72,583
Italy	159,880	81,896	16,824	30,440	30,720	152,534	84,727	11,012	26,470	30,324
Netherlands	140,794	29,889	54,607	26,276	30,022	127,197	25,466	49,012	21,172	31,547
Norway	21,080	2,623	6,466	2,423	9,567	23,541	2,402	6,554	2,580	12,005
Poland and Danzig	15,797	738	4,658	2,861	7,539	16,309	707	5,050	2,709	7,842
Soviet Russia in Europe	70,957	44,605	49	4,181	22,122	80,407	29,566	67	5,755	45,020
Spain	84,759	37,204	5,028	8,105	34,423	81,193	31,424	2,866	7,372	39,529
Sweden	57,078	7,035	7,058	7,372	35,613	58,579	7,549	8,520	9,436	33,074
Switzerland	11,848	1,282	506	1,971	8,090	12,251	1,532	553	1,333	8,833
United Kingdom	835,679	303,904	185,619	119,139	227,017	841,244	257,076	201,516	126,048	256,604
Asia	653,034	209,604	49,311	99,820	294,299	642,010	173,272	60,803	94,804	313,130
British India	53,068	8,753	1,451	5,456	38,008	55,299	3,190	1,547	5,920	44,642
British Malaya	11,775	212	1,834	1,240	8,488	14,616	345	2,099	1,336	10,836
Ceylon	2,688	37	242	145	2,265	2,847	56	258	187	2,346
China, Hong Kong, Kwantung	165,402	50,417	16,774	20,036	78,175	155,232	40,244	22,910	22,393	69,684
Japan	287,691	146,320	12,310	57,703	71,267	258,548	124,570	15,499	46,903	71,576
Netherland East Indies	34,439	2,849	1,823	5,880	23,887	45,643	3,177	2,576	6,096	33,794
Persia	1,530	1	7	89	1,434	2,429	3	14	206	2,206
Turkey (Europe and Asia)	4,110	13	493	859	2,746	5,742	1	562	864	4,316
Oceania	179,581	9,114	5,562	15,820	148,084	191,596	8,920	5,666	21,591	155,419
Australia	141,164	7,911	3,347	14,622	115,284	149,871	7,774	3,392	17,617	121,088
New Zealand	35,700	1,199	1,808	3,858	28,835	39,334	1,140	1,866	3,747	32,581
Africa	116,027	4,044	7,170	8,120	96,693	130,389	4,755	8,289	6,396	108,949
Algeria and Tunisia	8,712	620	50	1,145	6,897	10,842	594	158	1,126	8,964
British Africa—										
East	4,890	12	112	167	4,599	5,417	18	126	150	5,123
South	59,013	67	1,602	3,285	54,058	63,690	91	2,006	3,249	58,345
West	13,450	2,132	1,984	615	8,719	12,371	2,380	1,996	685	7,311
Egypt	11,006	222	1,582	1,052	8,149	13,992	244	2,117	1,223	10,407

No. 535.—IMPORTS, FREE AND DUTIABLE, BY

[All figures in

Country	1928									
	Total imports		Crude materials		Foodstuffs		Semimanufactures		Finished manufactures	
	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable
Grand total	2,616,239	1,475,205	1,222,411	244,323	506,702	449,004	541,456	221,375	345,671	560,502
Northern North America	364,891	135,068	57,133	14,406	7,583	86,382	122,091	24,718	178,086	9,562
Canada	355,484	133,819	55,694	14,330	7,505	85,254	121,425	24,707	170,860	9,520
Newfoundland and Labrador	8,919	1,198	989	76	78	1,078	629	12	7,223	32
Southern North America	221,570	239,173	85,505	36,080	76,447	189,510	22,164	7,510	37,451	6,063
Mexico	91,928	32,586	49,180	13,083	18,789	12,768	17,646	6,010	6,314	725
British West Indies	17,391	3,982	1,630	122	10,900	3,422	55	24	4,746	413
Cuba	8,107	194,735	4,811	20,757	1,629	169,114	382	121	1,285	4,742
Netherland West Indies	54,346	86	27,610	17	91	1	3,686	-------	22,969	69
South America	504,455	64,953	133,031	42,266	290,039	14,214	77,651	7,548	3,734	935
Argentina	52,206	47,231	48,915	33,453	2,382	6,085	321	7,364	589	339
Brazil	217,054	3,647	18,228	1,156	198,317	2,423	240	38	269	29
Chile	72,602	2,557	7,645	1,053	446	1,467	64,356	26	155	12
Colombia	94,289	310	22,851	98	71,089	133	104	(1)	246	79
Peru	18,558	2,199	5,661	2,162	166	21	12,406	9	326	7
Uruguay	5,427	6,282	4,602	2,739	268	3,532	31	(1)	526	11
Venezuela	38,801	104	22,873	41	14,333	22	105	38	1,491	2
Europe	476,772	771,977	173,674	87,306	24,040	112,968	171,045	161,310	108,013	410,394
Austria	3,763	8,357	951	21	-------	527	1,728	1,112	1,084	6,698
Belgium	25,963	49,111	12,551	2,238	22	1,729	11,782	21,212	1,608	23,933
Czechoslovakia	6,051	30,732	235	353	2	211	1,338	3,472	4,475	26,697
Denmark	1,837	2,101	923	563	11	849	670	166	234	523
France	46,038	112,710	15,962	3,654	494	13,052	5,418	21,337	24,163	74,667
Germany	84,029	138,101	33,049	5,673	4,249	3,306	36,060	26,724	10,661	102,398
Italy	18,766	82,914	9,922	5,931	1,096	41,152	2,092	7,651	5,657	28,180
Netherlands	26,180	57,424	5,381	21,928	2,843	5,476	14,279	25,112	3,677	4,909
Norway	9,472	12,254	1,432	2	25	5,232	7,106	6,472	909	547
Poland and Danzig	1,929	1,675	1,391	791	3	117	387	104	148	663
Soviet Russia in Europe	6,869	7,080	3,811	3,903	2,308	1,564	726	1,091	24	432
Spain	11,935	23,083	7,721	265	64	17,006	3,046	1,095	1,104	4,728
Sweden	36,475	9,611	3,109	14	223	266	29,340	3,033	3,795	6,297
Switzerland	5,539	37,356	727	378	19	6,485	1,747	7,162	3,045	23,331
United Kingdom	171,805	176,736	69,591	30,560	12,157	10,108	45,713	34,911	44,344	101,150
Asia	937,539	231,389	708,505	39,016	89,965	40,183	122,587	19,938	16,483	132,252
British India	57,514	91,418	40,489	9,460	2,826	3,238	13,780	1,777	420	76,943
British Malaya	203,074	1,290	143,948	5	193	1,224	58,863	33	71	27
Ceylon	28,420	2,317	21,836	450	6,405	1,648	2	129	178	90
China, Hong Kong, Kwantung	104,048	52,491	79,228	12,447	5,062	13,561	18,510	13,662	1,247	12,830
Japan	339,226	45,224	327,175	1,370	7,140	9,032	3,177	4,238	1,733	30,585
Netherland East Indies	80,052	6,091	62,653	81	13,753	5,590	3,286	17	359	402
Persia	898	8,395	719	9	146	91	-------	2	32	8,294
Turkey (Europe and Asia)	3,117	15,271	2,314	9,940	508	2,734	223	49	72	2,548
Oceania	30,386	23,064	25,907	18,343	2,504	4,278	1,004	185	971	259
Australia	16,353	15,285	13,297	14,376	1,379	514	1,001	155	675	179
New Zealand	11,443	7,765	10,056	3,967	1,114	3,724	3	29	270	45
Africa	80,626	8,580	38,656	6,906	16,123	1,470	24,914	166	933	1,038
Algeria and Tunisia	4,564	374	3,330	13	63	115	936	23	235	224
British Africa—										
East	2,352	458	1,658	2	131	453	526	(1)	38	4
South	5,084	4,095	4,441	3,931	99	37	407	89	138	39
West	21,397	772	566	595	15,725	75	5,033	-------	73	2
Egypt	26,902	1,785	26,716	1,178	1	473	85	10	99	124

[1] Less than $500.

ECONOMIC CLASSES, AND PRINCIPAL COUNTRIES

thousands of dollars]

1929										Country
Total imports		Crude materials		Foodstuffs		Semimanufactures		Finished manufactures		
Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	
2,643,354	1,556,907	1,289,317	269,303	525,747	436,435	630,586	254,465	397,704	595,804	**Grand total**
398,937	115,433	54,499	10,636	24,321	61,426	137,680	33,015	182,438	10,355	**Northern North America**
389,225	114,271	53,084	10,384	24,193	60,575	137,063	32,998	174,885	10,314	Canada
9,250	1,161	981	252	129	851	590	18	7,551	40	Newfoundland and Labrador.
225,142	242,019	61,230	32,920	72,763	195,584	38,708	7,596	52,443	5,919	**Southern North America**
85,962	31,776	39,554	10,335	17,282	14,712	23,845	5,842	5,281	886	Mexico.
17,329	4,695	1,403	112	10,206	4,062	47	28	5,583	492	British West Indies.
9,510	197,911	5,746	19,910	2,096	173,513	405	156	1,203	4,332	Cuba.
64,500	89	12,545	-------	13	-------	14,140	-------	37,802	89	Netherland West Indies.
536,844	102,913	135,794	74,403	290,663	19,506	106,605	7,298	3,781	1,707	**South America.**
44,009	73,572	39,375	56,511	3,773	9,727	169	6,695	692	689	Argentina.
203,184	4,502	15,967	2,060	186,558	2,415	288	16	371	10	Brazil.
99,194	2,831	9,552	930	281	1,837	89,106	60	255	4	Chile.
103,111	414	22,539	178	80,206	79	21	11	345	146	Colombia.
25,532	4,636	8,337	4,432	129	60	16,985	133	80	11	Peru.
5,200	13,477	3,617	8,536	730	4,918	2	-------	851	24	Uruguay.
51,152	72	33,077	28	16,514	21	10	20	951	2	Venezuela.
511,676	820,951	166,446	91,386	22,264	114,615	183,677	173,508	139,291	441,441	**Europe.**
4,368	7,868	1,149	65	1	272	1,173	1,213	2,044	6,317	Austria.
23,908	50,140	12,444	4,102	3	1,139	9,833	21,081	1,627	23,817	Belgium.
13,560	32,560	354	493	1	291	1,432	3,272	11,782	28,504	Czechoslovakia.
2,233	2,328	1,043	442	25	1,027	886	157	280	702	Denmark.
52,410	119,075	17,187	3,522	476	12,593	6,500	26,390	28,247	76,569	France.
93,645	161,043	37,919	6,409	3,589	3,380	37,639	35,960	14,497	115,294	Germany.
26,136	90,931	13,887	6,022	1,262	45,967	3,694	6,525	7,292	32,417	Italy.
26,196	57,657	4,903	23,960	1,893	5,633	14,975	23,392	4,365	4,622	Netherlands.
10,238	10,997	2,833	3	26	5,598	6,998	4,586	381	809	Norway.
2,581	2,271	2,069	627	2	357	395	148	115	1,139	Poland and Danzig.
11,476	10,044	6,483	6,656	2,823	1,484	1,482	1,132	688	772	Soviet Russia in Europe.
12,362	23,697	8,710	706	80	15,609	2,474	1,595	1,099	5,788	Spain.
41,909	11,077	4,597	7	210	282	33,729	3,927	3,372	6,861	Sweden.
6,057	42,293	1,070	495	24	6,333	1,415	9,059	3,549	26,406	Switzerland.
157,936	171,814	43,850	22,920	10,905	8,575	48,256	34,277	54,925	106,042	United Kingdom.
1,039,166	241,115	790,994	37,694	90,844	39,478	139,322	29,198	18,006	134,745	**Asia.**
59,334	89,999	39,729	12,128	2,806	3,843	16,211	2,415	587	71,612	British India.
238,281	883	176,398	3	213	745	61,592	109	79	26	British Malaya.
30,769	1,668	24,152	660	6,405	743	(1)	165	212	99	Ceylon.
121,200	61,526	92,201	13,255	6,000	12,995	21,682	20,277	1,317	14,999	China, Hong Kong, Kwantung.
377,589	54,284	365,150	1,811	7,957	10,033	2,880	6,002	1,506	36,438	Japan.
75,053	7,248	58,458	37	10,797	6,363	5,401	63	397	785	Netherland East Indies.
618	8,031	332	98	250	10	-------	(1)	26	7,923	Persia.
3,374	8,791	2,462	4,471	563	1,851	302	70	47	2,399	Turkey (Europe and Asia).
33,764	22,792	28,905	15,698	3,145	3,814	745	2,981	969	299	**Oceania.**
19,448	12,520	16,238	11,285	1,806	754	745	279	659	202	Australia.
10,697	10,137	9,136	4,412	1,338	3,007	-------	2,702	223	15	New Zealand.
97,822	10,786	51,449	6,566	21,748	2,012	23,848	869	776	1,338	**Africa.**
3,592	790	2,455	6	47	327	986	157	104	300	Algeria and Tunisia.
										British Africa—
2,513	589	1,923	(1)	502	533	38	-------	50	56	East.
5,803	3,853	5,657	3,004	31	177	2	661	112	11	South.
29,122	878	442	670	19,432	192	9,184	-------	64	17	West.
37,439	2,235	47,146	1,708	12	250	81	35	201	242	Egypt.

No. 536.—PERCENTAGE DISTRIBUTION OF UNITED STATES FOREIGN TRADE BY ECONOMIC CLASSES AND PRINCIPAL COUNTRIES, 1929

Country	Exports				Imports							
	Crude materials	Foodstuffs	Semimanufactures	Finished manufactures	Crude materials		Foodstuffs		Semimanufactures		Finished manufactures	
					Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable
Grand total	22.2	14.6	14.1	49.1	29.3	6.1	12.0	9.9	14.3	5.8	9.0	13.5
Northern North America	19.2	12.6	14.4	53.8	10.6	2.1	4.7	1.9	26.8	6.4	35.5	2.0
Canada:												
Reported	19.3	12.3	14.5	53.8	10.5	2.1	4.8	12.0	27.2	6.6	34.7	2.0
Adjusted	20.5	7.3	15.4	56.9								
Newfoundland and Labrador	7.8	29.2	7.5	55.5	9.4	2.4	1.2	8.2	5.7	.2	72.5	.4
Southern North America	3.2	22.0	13.0	61.9	13.1	7.0	15.6	41.9	8.3	1.6	11.2	1.3
Mexico	2.3	15.2	14.3	68.2	33.6	8.8	14.7	12.5	20.2	5.0	4.5	.8
British West Indies	5.3	20.6	10.7	63.4	6.4	.5	46.7	18.4	.2	.1	25.4	2.2
Cuba	4.3	28.6	13.4	53.7	2.8	9.6	1.0	83.6	.2	.1	.6	2.1
Netherland West Indies	.7	10.3	10.6	78.4	19.4		(1)		21.9		58.5	.1
South America	1.0	7.4	12.7	78.8	21.2	11.8	45.4	3.0	16.7	1.1	.6	.3
Argentina	1.1	3.8	13.5	81.6	33.5	48.1	3.2	8.3	.1	5.7	.6	.5
Brazil	1.1	7.1	10.5	81.3	7.7	1.0	89.8	1.2	.1	(1)	.2	(1)
Chile	.3	2.7	18.6	78.4	9.4	.9	.3	1.8	87.3	.1	.2	(1)
Colombia	1.0	18.3	9.0	71.7	21.8	.2	77.5	.1	(1)	(1)	.3	.7
Peru	.6	13.4	20.3	65.6	27.6	14.7	.4	.2	56.3	.4	.3	(1)
Uruguay	.4	5.0	12.9	81.7	19.4	45.7	3.9	26.3	(1)		4.0	.1
Venezuela	.6	14.1	8.7	76.6	65.7	.1	32.2	(1)	(1)	(1)	1.9	(1)
Europe	32.9	18.6	15.1	33.5	12.5	6.9	1.7	8.6	13.8	13.0	10.5	23.1
Austria	10.8	6.8	11.3	71.0	9.4	.5	(1)	2.2	9.6	9.9	16.7	51.6
Belgium	20.4	19.5	15.8	44.4	16.8	5.5	(1)	1.5	13.3	28.5	2.2	32.2
Czechoslovakia	4.1	7.4	7.2	81.3	.8	1.1	(1)	.6	3.1	7.1	25.5	61.8
Denmark	6.5	28.9	6.9	57.7	22.9	9.7	.6	22.5	19.4	3.4	6.1	15.4
France	36.0	4.6	18.7	40.7	10.0	2.0	.3	7.4	3.8	15.4	16.5	44.6
Germany	46.9	17.9	17.2	18.1	14.9	2.5	1.4	1.3	14.8	14.1	5.7	45.3
Italy	55.6	7.2	17.4	19.9	11.9	5.1	1.1	39.3	3.2	5.6	6.2	27.7
Netherlands	20.0	38.5	16.6	24.8	5.9	28.6	2.3	6.8	17.9	27.9	5.2	5.5
Norway	10.2	27.9	11.0	51.0	13.3	(1)	.1	26.4	33.0	21.6	1.8	3.8
Poland and Danzig	4.3	31.0	10.6	48.1	42.6	12.9	(1)	7.4	8.1	3.1	2.4	23.5
Soviet Russia in Europe	36.8	.1	7.2	56.0	30.1	30.9	13.1	6.9	6.9	5.3	3.2	3.6
Spain	38.7	3.5	9.1	48.7	24.2	2.0	.2	43.3	6.9	4.4	3.1	10.1
Sweden	12.9	14.6	16.1	56.5	8.7	(1)	.4	.5	63.7	7.4	6.4	13.6
Switzerland	12.5	4.5	10.9	72.1	2.2	1.0	.1	13.1	2.9	8.7	7.3	54.6
United Kingdom	30.6	24.0	15.0	30.5	13.3	7.0	3.3	2.6	14.6	10.4	16.7	32.2
Asia	27.0	9.5	14.8	48.8	61.8	2.9	7.1	3.1	10.9	2.3	1.4	10.5
British India	5.8	2.8	10.7	80.7	26.6	8.1	1.9	2.6	10.9	1.6	.4	48.0
British Malaya	2.4	14.4	9.1	74.1	73.8	(1)	.1	.3	25.8	.1	(1)	(1)
Ceylon	2.0	9.1	6.6	82.4	74.5	20.9	19.8	2.3	(1)	.5	.7	.3
China, Hong Kong, Kwantung	25.9	14.8	14.4	44.9	50.5	7.3	3.3	7.1	11.9	11.1	.7	8.2
Japan	48.2	6.0	18.1	27.7	34.6	.4	1.9	2.3	.7	1.4	.4	8.4
Netherland East Indies	7.9	5.6	13.4	74.0	71.0	(1)	13.1	7.7	6.6	.1	.5	1.0
Persia	.1	.6	8.5	90.8	3.8	1.1	3.0	.1		(1)	.3	91.6
Turkey (Europe and Asia)	(1)	9.8	15.0	75.1	20.2	36.8	4.6	15.2	2.5	.6	.4	19.7
Oceania	4.7	3.0	11.3	81.1	51.1	27.8	5.6	6.7	1.3	5.3	1.7	.5
Australia	5.2	2.3	11.8	80.8	50.8	35.3	5.6	2.4	2.3	.9	2.1	.6
New Zealand	2.9	4.8	9.5	82.8	43.8	21.2	6.4	14.4	(1)	13.0	1.1	.1
Africa	3.6	6.4	6.4	83.6	47.4	6.0	20.0	1.8	22.0	.8	.7	1.2
Algeria and Tunisia	5.5	1.5	10.4	82.7	56.0	.1	1.1	7.5	22.5	3.6	2.4	6.8
British Africa—												
East	.3	2.3	2.8	94.6	62.0	(1)	16.2	17.2	1.2		1.6	1.8
South	.1	3.2	5.1	91.6	58.6	31.1	.3	1.8	(1)	6.8	1.2	.1
West	19.2	16.1	5.5	59.1	1.5	2.2	64.8	.6	30.6	(1)	.2	.1
Egypt	1.7	15.1	8.7	74.1	93.5	4.3	(1)	.6	.2	.1	.5	.6

[1] Less than one-tenth of 1 per cent.

No. 537.—FREE AND DUTIABLE GENERAL IMPORTS BY PRINCIPAL COUNTRIES

NOTE.—For 1928 dutiable imports for consumption from Canada were less and the free imports correspondingly greater than the general imports because of wheat which was originally classified as dutiable but which was later entered free under special provision. For adjusted figures see Table 526. There was a similar difference between imports for consumption and general imports from China for 1928 and 1929 caused by a reclassification of carpet wool from dutiable to free and this affects to a smaller degree statistics for Argentina, British India, and other wool exporting countries. See headnote, Table 526

[All figures except percentages in thousands of dollars]

Country	1910-1914, average			1928			1929		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
Grand total	905,796	783,078	53.6	2,616,239	1,475,205	63.9	2,843,354	1,556,097	64.6
Northern North America	64,446	54,072	54.4	364,891	135,068	73.0	398,937	115,433	77.6
Canada [1]	63,855	53,358	54.5	355,484	133,819	72.7	389,225	114,271	77.3
Newfoundland and Labrador	565	707	44.4	8,919	1,198	88.2	9,250	1,161	88.8
Southern North America	97,122	131,495	42.5	221,570	239,173	48.1	225,142	242,019	48.2
Mexico	59,387	11,092	84.3	91,928	32,586	73.8	85,962	31,776	73.0
Central American countries	16,808	561	96.8	40,139	5,206	88.5	39,471	5,299	88.2
Cuba	4,789	117,288	3.9	8,107	194,735	4.0	9,510	197,911	4.6
Other West Indies and Bermudas	16,138	2,555	86.3	81,396	6,646	92.5	1,682	1,497	52.9
South America	191,883	15,025	92.7	504,455	64,953	88.6	536,844	102,913	83.9
Argentina [1]	22,758	10,120	69.2	52,206	47,231	52.5	44,009	73,572	37.4
Bolivia	2	(2)	93.2	174		98.9	33	347	8.7
Brazil	110,189	689	99.4	217,054	3,647	98.3	203,184	4,502	97.8
Chile	22,527	354	98.5	72,602	2,557	96.6	99,194	2,831	97.2
Colombia	10,952	994	91.7	94,289	310	99.7	103,111	414	99.6
Ecuador	3,158	212	93.7	4,821	525	90.2	4,920	910	84.4
Peru	8,969	811	91.7	18,558	2,199	89.4	25,532	4,636	84.6
Uruguay	3,539	946	78.9	5,427	6,282	46.3	5,200	13,477	27.8
Venezuela	8,782	340	96.3	38,801	104	99.7	51,152	72	99.9
Europe	332,967	503,532	39.8	476,772	771,977	38.2	511,676	820,951	38.4
Belgium	17,288	23,072	42.8	25,963	49,111	34.6	23,908	50,140	32.3
Czechoslovakia				6,051	30,732	16.5	13,569	32,560	29.4
Denmark	1,966	631	75.7	1,837	2,101	46.6	2,233	2,328	49.0
France	41,227	88,903	31.7	46,088	112,710	29.0	52,410	119,075	30.6
Germany	63,746	112,716	36.1	84,029	138,101	37.8	93,645	161,043	36.8
Greece	474	2,855	14.2	1,642	12,968	11.2	1,839	15,918	10.3
Italy	17,321	33,828	33.9	18,766	82,914	18.5	26,136	90,931	22.3
Netherlands	10,151	24,786	29.1	26,180	57,424	31.3	26,196	57,657	31.2
Norway	2,126	5,960	26.3	9,472	12,254	43.6	10,238	10,997	48.2
Soviet Russia in Europe	15,418	3,713	80.6	6,869	7,080	49.2	11,476	10,044	53.3
Spain	10,071	11,539	46.6	11,935	23,083	34.1	12,362	23,697	34.3
Sweden	1,955	7,575	20.5	36,475	9,611	79.1	41,909	11,077	79.1
Switzerland	561	24,121	2.3	5,539	37,356	12.9	6,057	42,293	12.5
United Kingdom	140,814	138,083	50.5	171,806	176,735	49.3	157,936	171,814	47.9
Asia	187,298	71,286	72.4	937,539	231,389	80.2	1,039,166	241,115	81.2
British India [1]	30,175	26,181	53.5	57,514	91,418	38.6	59,334	89,909	39.7
British Malaya	24,318	307	98.8	203,074	1,290	99.4	238,281	883	99.6
Ceylon	9,430	536	94.6	28,420	2,317	92.5	30,709	1,668	94.8
China [1]	25,613	9,710	72.5	92,789	47,162	66.3	110,769	55,464	66.6
Netherland East Indies	4,676	4,518	50.9	80,052	6,091	92.9	75,053	7,248	91.2
Hong Kong	1,717	1,337	56.2	9,491	4,076	70.0	7,035	4,031	65.4
Japan	66,749	18,250	78.5	339,226	45,224	88.2	377,589	54,284	87.4
Philippine Islands	19,412	18	99.9	115,603	6	99.9	125,769	23	99.9
Oceania	12,221	5,055	70.7	30,386	23,064	56.9	38,764	22,792	59.7
Australia	8,256	4,056	67.1	16,353	15,225	51.8	19,448	12,520	60.8
New Zealand	2,821	937	75.1	11,443	7,765	59.6	10,697	10,137	51.3
Africa	19,909	2,664	88.2	80,626	9,580	89.4	97,822	10,786	90.1
British South Africa	696	1,767	28.3	5,084	4,095	55.4	5,803	3,853	60.2
British West Africa	650	98	86.8	21,397	772	96.5	20,122	878	97.1
Egypt	16,618	269	98.4	26,902	1,785	93.8	37,439	2,235	94.4

[1] See headnote.

[2] Less than $500.

No. 538.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF

NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them; for such countries the apparent balance of trade may be far from the true bal Adjusted figures taking account of this movement are given in Table 529. Figures for 1910 to 1914

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929
Grand total	2,165,818	4,397,027	4,590,984	4,909,848	4,808,660	4,805,375	5,128,357	5,240,895
North America[1]	501,095	1,071,959	1,090,041	1,138,354	1,176,482	1,253,027	1,321,367	1,395,064
1. Northern[1]	319,890	627,382	633,877	658,641	747,685	845,307	924,172	961,473
Canada[1]	315,044	619,017	624,031	648,768	738,568	836,532	914,713	948,446
Newfoundland and Labrador.	4,778	8,181	9,698	9,623	8,851	8,483	9,210	12,502
Miquelon and St. Pierre.	68	174	148	231	258	280	245	509
Greenland	----------	10	----------	19	8	12	4	16
2. Southern	181,205	444,577	456,164	479,713	428,798	407,720	397,195	433,590
Mexico	53,091	146,345	135,075	144,720	134,994	109,148	115,654	133,863
Central America	*57,569*	*58,738*	*64,835*	*72,780*	*75,052*	*76,548*	*82,117*	*90,756*
British Honduras	1,482	1,922	1,836	2,162	2,369	2,061	1,838	1,893
Costa Rica	3,437	5,139	5,965	6,800	6,312	7,298	8,088	8,313
Guatemala	2,834	7,214	8,824	9,382	11,088	10,632	13,314	11,525
Honduras	2,847	10,312	9,101	9,570	7,540	8,487	9,728	12,811
Nicaragua	2,442	5,284	6,250	7,435	6,264	6,950	7,357	7,031
Panama	22,451	22,807	20,367	28,237	31,921	34,051	34,201	41,133
Salvador	2,077	6,060	6,492	9,194	9,557	6,869	7,591	8,050
West Indies and Bermudas.	*90,545*	*239,494*	*256,254*	*262,213*	*218,752*	*222,224*	*199,424*	*208,969*
Bermudas	1,446	3,637	3,475	3,160	3,287	3,774	3,458	4,000
Barbados	[2] 1,467	1,591	1,607	1,410	1,593	1,616	1,531	1,388
Jamaica	[2] 4,974	8,537	7,291	8,945	8,386	8,641	8,141	9,131
Trinidad and Tobago.	[2] 3,329	5,176	3,822	4,209	4,905	5,930	4,717	6,736
Other British	[2] 2,945	5,446	5,162	5,572	6,040	5,750	5,635	6,002
Cuba	63,047	181,294	199,778	198,655	160,488	155,383	127,897	128,909
Dominican Republic.	4,411	15,282	15,642	17,764	14,572	18,871	16,807	14,190
Netherland West Indies.	864	3,095	3,710	4,207	4,866	6,431	13,622	24,167
French West Indies	1,633	2,630	2,529	2,665	1,958	2,704	2,597	3,358
Haiti	5,862	10,910	11,570	13,711	10,857	11,071	12,742	8,790
Virgin Islands of U. S.	854	1,894	1,668	1,916	1,799	2,053	2,277	2,298
South America	121,028	297,115	314,252	402,606	443,507	438,159	480,815	539,310
3. Caribbean	13,075	43,965	48,020	70,008	92,281	86,261	99,055	96,478
Colombia	5,764	25,862	27,764	41,377	49,281	48,694	58,596	48,983
Guiana—								
British	1,808	2,094	1,565	2,000	1,582	1,501	1,348	1,100
Surinam (Netherlands).	723	983	802	1,220	1,578	1,183	1,034	897
French	294	450	246	254	151	139	157	173
Venezuela	4,486	14,576	17,643	25,157	39,690	34,744	37,920	45,325
4. East Coast	84,716	193,497	201,359	258,396	263,005	278,668	308,453	348,826
Argentina	47,169	117,002	117,093	148,750	143,575	163,485	178,899	210,238
Falkland Islands	1	4	16	4	60	67	80	6
Brazil	31,484	59,921	65,207	87,461	95,449	88,737	100,104	108,787
Paraguay	134	617	821	902	905	1,317	1,354	1,500
Uruguay	5,927	15,952	18,222	21,270	23,015	25,060	26,016	28,245
5. West Coast	23,239	59,653	64,873	74,202	88,221	73,232	75,307	94,006
Bolivia	915	3,649	4,122	5,088	5,163	4,942	4,951	5,985
Chile	13,870	30,132	31,377	39,274	49,043	37,889	40,351	55,776
Ecuador	2,424	4,930	5,537	6,808	4,662	5,531	6,595	6,069
Peru	6,030	20,942	23,837	23,032	29,353	24,870	23,410	26,176

For footnotes, see pp. 496 and 497.

MERCHANDISE BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES

trade by way of other countries, this being usually larger in the case of our exports to them than of our ance. A specially marked case of indirect trade is that of grain exported through Canada to Europe. cover fiscal years; other figures, calendar years

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929	
1,668,874	3,450,103	3,609,963	4,226,589	4,430,888	4,184,742	4,091,444	4,399,361	**Grand total.**
347,136	910,902	995,156	980,533	1,011,570	985,458	960,702	981,529	**North America,**[1]
118,518	396,668	402,047	468,791	486,503	484,499	499,959	514,370	**1. Northern.**[1]
117,213	393,771	399,148	454,235	475,881	475,028	489,303	503,496	Canada.[1]
1,272	2,528	2,569	3,713	9,039	9,066	10,117	10,411	Newfoundland and Labrador.
7	37	19	152	64	58	90	28	Miquelon and St. Pierre.
[2] 33	333	311	691	519	347	449	435	Greenland.
228,617	514,233	593,109	521,742	526,067	500,959	460,743	467,159	**2. Southern.**
70,479	147,488	167,087	178,835	169,306	137,815	124,514	117,738	Mexico.
17,369	*36,357*	*37,262*	*42,625*	*48,873*	*40,430*	*45,345*	*44,771*	*Central America.*
1,435	2,421	2,155	2,834	2,848	3,749	2,851	3,336	British Honduras.
3,793	5,000	4,689	4,792	7,052	6,035	5,555	5,203	Costa Rica.
2,845	10,015	10,089	11,338	14,491	10,179	9,561	8,470	Guatemala.
2,756	5,957	5,960	8,719	8,720	9,311	12,289	12,833	Honduras.
1,420	4,987	5,453	6,188	5,976	4,227	5,490	5,748	Nicaragua.
3,781	4,035	5,004	6,431	5,549	5,384	6,398	5,351	Panama.
1,338	3,251	3,912	2,323	4,237	1,545	3,201	3,830	Salvador.
140,770	*330,388*	*388,760*	*300,282*	*307,887*	*322,714*	*290,884*	*304,650*	*West Indies and Bermudas.*
599	1,076	1,195	893	1,124	1,107	944	773	Bermudas.
[2] 308	351	206	456	569	496	437	493	Barbados.
[2] 6,140	6,878	6,174	8,238	9,111	9,723	8,000	7,528	Jamaica.
[2] 5,490	5,199	4,862	5,970	8,234	7,461	9,675	10,823	Trinidad and Tobago.
[2] 1,434	2,372	2,859	3,028	3,380	3,862	2,257	2,405	Other British.
122,077	299,605	361,721	261,673	250,600	256,786	202,842	207,421	Cuba.
3,617	8,138	5,825	7,258	8,131	11,026	9,372	8,465	Dominican Republic.
474	4,290	4,140	9,298	24,386	29,933	54,433	64,589	Netherland West Indies.
59	168	218	387	162	105	162	105	French West Indies.
794	1,651	1,166	2,060	1,379	1,247	1,567	1,445	Haiti.
221	660	394	1,021	810	968	1,195	603	Virgin Islands of U. S.
206,858	421,336	466,074	518,797	567,979	518,275	569,410	639,758	**South America.**
22,545	65,332	75,887	84,766	115,190	113,840	135,575	156,882	**3. Caribbean.**
11,946	49,370	57,729	63,376	90,242	87,803	94,599	103,525	Colombia.
494	675	931	980	1,206	981	914	830	Guiana— British.
944	737	613	743	361	1,412	1,091	1,171	Surinam (Netherlands).
38	177	151	103	66	46	66	132	French.
9,122	14,873	16,463	19,564	23,316	28,598	38,905	51,224	Venezuela.
148,280	251,361	262,230	318,877	342,513	312,075	332,397	344,475	**4. East Coast.**
32,878	83,270	75,298	80,170	85,058	97,246	99,438	117,581	Argentina.
	468	411	655	104		3	2	Falkland Islands.
110,878	152,170	179,337	221,572	235,307	203,027	220,701	207,686	Brazil.
39	655	114	380	541	913	546	529	Paraguay.
4,485	14,799	7,070	16,100	18,502	10,895	11,709	18,677	Uruguay.
36,034	104,142	127,957	115,154	110,276	97,360	101,438	138,401	**5. West Coast.**
2	1,082	84	84	280	218	176	379	Bolivia.
22,881	77,186	98,284	89,194	81,442	61,857	75,160	102,025	Chile.
3,370	6,859	6,697	8,702	6,757	5,194	5,345	5,830	Ecuador.
9,780	19,015	22,892	17,174	21,797	20,091	20,757	30,167	Peru.

No. 538.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929
Europe [1]	1,350,299	2,317,944	2,445,300	2,603,750	2,310,144	2,313,782	2,374,916	2,340,848
8. Northwestern and Central	1,222,899	1,960,627	2,096,293	2,193,586	1,984,517	1,976,378	1,975,049	1,942,134
Sweden	10,033	39,443	42,313	42,465	40,854	44,089	57,323	58,704
Norway	7,819	28,081	23,237	26,200	24,880	23,361	21,141	23,647
Denmark	15,393	42,615	43,413	55,747	50,577	58,005	47,173	51,442
Iceland	16	290	120	249	247	202	297	448
United Kingdom	567,592	[3] 930,412	982,942	1,033,856	972,606	840,059	847,326	848,000
Irish Free State		[4] 7,280		7,280	16,987	10,882	13,466	14,421
Belgium	53,117	111,284	116,001	120,258	99,299	116,216	111,830	114,855
France	138,841	205,196	231,664	280,299	264,004	228,781	240,692	265,692
Netherlands	104,575	138,228	151,764	141,518	135,795	148,220	142,278	128,295
Austria	[5] 20,581	2,211	3,192	2,884	2,891	4,364	5,978	5,331
Czechoslovakia		1,665	1,951	2,854	2,968	7,442	5,341	6,123
Hungary	[6]	330	370	819	987	1,753	2,734	2,328
Germany	304,098	383,219	440,418	470,344	364,162	481,681	467,260	410,449
Switzerland	833	7,198	8,908	8,813	8,260	10,123	12,210	12,499
7. Northeastern	25,882	58,287	57,890	90,485	66,995	92,000	109,487	116,131
Estonia		2,081	1,389	1,584	826	918	900	830
Finland	[7] 3,021	10,442	9,378	12,801	12,916	16,488	18,742	14,894
Latvia		3,047	1,126	1,305	727	1,029	1,070	2,320
Lithuania		67	102	43	88	218	335	184
Poland and Danzig		*10,881*	*4,581*	*6,559*	*3,039*	*9,261*	15,876	18,356
Soviet Russia in Europe [8]	23,456	31,749	41,314	68,196	48,499	64,086	72,504	81,547
6. Southwestern	96,451	268,107	268,188	295,579	240,199	219,495	263,859	252,396
Azores and Madeira Islands.	214	987	886	1,144	1,280	1,946	731	1,031
Gibraltar	473	3,412	907	1,348	1,077	1,450	1,619	143
Italy	65,960	185,237	187,146	205,151	157,402	131,651	162,125	153,907
Portugal	3,610	8,005	8,085	8,733	11,634	10,672	12,771	15,135
Spain	26,189	70,465	71,163	79,203	68,206	73,776	86,613	82,120
9. Southeastern	5,068	30,943	22,929	24,100	18,433	25,909	26,521	30,180
Bulgaria	165	745	332	302	358	468	649	1,053
Greece	873	17,153	16,722	16,633	10,353	15,028	13,853	16,741
Malta, Gozo, and Cyprus Islands.	378	1,381	1,259	1,192	1,312	1,112	805	1,288
Rumania	1,415	2,409	1,192	2,199	3,111	4,925	9,431	9,795
Turkey in Europe	2,225	8,058	2,943	2,773	2,510	3,380		
Yugoslavia and Albania	[7] 12	1,198	481	1,001	789	996	1,783	1,303
Asia	121,042	498,853	514,592	486,592	564,543	559,605	654,514	643,215
10. Western	2,600	8,047	5,503	7,074	6,122	7,478	11,900	15,239
Aden	1,345	1,099	471	589	549	587	516	608
Arabia		362	339	660	1,043	400	322	426
Iraq						638	704	979
Palestine		3,129	3,084	4,779	3,359	1,088	1,506	1,405
Syria						2,547	3,078	3,581
Persia	132	950	887	439	754	1,569	1,531	2,430
Turkey in Asia [8]	*1,123*	*2,508*	722	*607*	*417*	*647*	*4,242*	*5,810*
11. Southern and Southeastern.	40,613	119,137	120,012	135,151	166,770	184,687	186,985	209,813
British India	10,904	38,188	34,901	38,282	50,013	63,297	53,694	55,359
Ceylon	[9] 413	[9] 1,453	1,589	2,386	2,858	2,074	2,746	2,847
British Malaya	2,876	8,030	7,801	11,388	13,563	13,624	11,816	14,641
Java and Madura	[10]	[10]	9,529	13,549	17,407	23,558	25,316	30,537
Other Netherland East Indies.	3,093	17,242	4,950	5,655	10,202	8,579	9,129	*15,113*

For footnotes, see pp. 496 and 497.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929	
836,499	1,049,494	1,096,087	1,238,181	1,285,863	1,276,466	1,248,749	1,332,630	Europe [1]
723,829	884,987	924,146	1,035,645	1,070,229	1,050,866	1,054,460	1,105,968	6. Northwestern and Central.
9,530	34,073	40,031	41,033	44,018	47,896	46,086	52,986	Sweden.
8,086	18,498	21,392	23,289	25,055	22,231	21,726	21,235	Norway.
2,597	6,029	6,168	4,328	5,508	4,145	3,933	4,561	Denmark.
71	106	32	97	178	92	327	544	Iceland.
278,807	[2] 355,781	366,466	412,705	383,198	357,931	348,540	329,755	United Kingdom.
----------	[4] 1,269	----------	1,269	1,476	1,597	1,273	4,260	Irish Free State.
40,360	58,335	65,559	69,019	77,793	72,234	75,074	74,048	Belgium.
130,130	147,875	147,036	157,433	152,020	167,800	158,748	171,485	France.
34,937	70,625	74,044	92,539	101,855	87,242	83,604	83,853	Netherlands.
[5] 18,077	4,097	4,967	5,858	9,419	10,611	12,121	12,235	Austria.
----------	17,373	22,423	22,838	28,302	31,726	36,783	46,129	Czechoslovakia.
([6])	608	588	719	873	941	1,215	1,839	Hungary.
176,462	132,496	139,258	164,251	198,496	200,554	222,130	254,688	Germany.
24,682	38,843	35,582	40,267	42,038	45,866	42,895	48,350	Switzerland.
19,254	17,719	24,459	27,387	34,921	31,055	32,735	43,056	7. Northeastern.
----------	400	339	320	1,235	432	1,064	875	Estonia.
[3] 153	7,549	8,251	7,159	9,108	8,670	9,872	11,225	Finland.
----------	2,578	4,563	3,709	5,982	4,469	3,830	4,050	Latvia.
----------	265	314	767	947	520	410	533	Lithuania.
----------	2,369	2,848	2,527	4,147	4,825	3,604	4,853	Poland and Danzig.
19,131	4,557	8,144	12,905	13,503	12,139	13,949	21,520	[6] Soviet Russia in Europe.
79,589	115,147	110,018	140,431	151,081	149,753	143,673	161,912	8. Southwestern.
267	2,495	2,964	1,743	1,595	1,814	1,615	1,445	Azores and Madeira Islands.
11	16	10	34	31	53	30	15	Gibraltar.
51,149	79,141	75,011	102,205	102,520	108,970	101,681	117,067	Italy.
6,552	3,855	3,041	3,651	5,560	4,565	5,329	7,326	Portugal.
21,610	29,639	28,992	32,798	41,369	34,351	35,018	36,059	Spain.
13,827	31,642	37,464	34,718	29,632	44,792	17,881	21,694	9. Southeastern.
376	1,029	1,544	968	1,295	892	707	881	Bulgaria.
3,329	22,255	27,729	26,187	16,908	29,646	14,610	17,757	Greece.
18	160	118	228	195	226	121	186	Malta, Gozo, and Cyprus Islands.
248	266	99	302	1,098	649	677	559	Rumania.
8,859	7,421	7,288	5,602	8,981	12,394	----------	----------	Turkey in Europe.
[7] 996	511	686	1,431	1,155	985	1,766	2,311	Yugoslavia and Albania.
268,534	942,879	930,709	1,319,126	1,400,701	1,256,757	1,168,928	1,280,279	Asia
13,576	21,279	22,337	28,967	26,234	26,874	41,791	35,068	10. Western.
1,808	2,221	2,186	3,286	2,892	3,060	3,315	2,457	Aden.
					71	90	174	Arabia.
----------	2,547	3,892	4,973	4,145	4,308	5,744	6,241	Iraq.
					248	280	182	Palestine.
----------	2,337	3,470	4,450	2,945	3,984	4,681	5,200	Syria.
1,377	4,773	5,456	7,212	8,401	7,527	9,293	8,648	Persia.
10,392	9,402	7,333	9,046	7,851	7,676	18,388	12,166	[8] Turkey in Asia.
119,750	425,025	431,433	715,416	815,192	657,887	586,072	629,582	11. Southern and Southeastern.
56,356	109,020	103,277	144,503	150,930	131,003	148,932	149,332	British India.
[9] 9,966	[9] 27,059	25,325	48,159	55,805	40,846	30,737	32,437	Ceylon.
24,625	153,247	147,686	314,023	383,800	277,784	204,364	239,164	British Malaya.
([10])	([10])	37,963	56,160	68,395	51,600	53,890	49,433	Java and Madura.
9,194	54,962	19,557	39,674	51,222	30,788	32,252	32,868	Other Netherland East Indies.

No. 538.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929
Asia—Continued.								
11. Southern and Southeastern—Continued.								
French Indo-China	243	1,079	787	1,371	2,190	1,427	1,738	2,525
Philippine Islands	22,596	51,927	59,519	61,062	68,648	69,522	79,805	85,530
Siam	481	1,199	925	1,444	1,852	1,940	2,038	3,162
Other Asia	1	19	11	14	37	64	103	99
12. Eastern	77,829	371,669	389,077	344,367	391,651	367,440	455,629	418,131
China	21,578	104,175	109,189	94,442	110,205	83,471	137,661	124,163
Hong Kong	9,137	17,810	17,476	14,306	12,819	18,866	21,977	19,560
Kwantung	676	6,735	8,614	5,267	6,466	6,698	6,246	11,841
Japan	45,290	241,877	253,009	229,042	260,754	257,570	288,158	259,127
Soviet Russia in Asia [11]	1,148	1,072	789	710	1,407	835	1,587	3,104
13. Oceania	47,716	141,426	156,505	188,489	212,705	193,714	180,033	192,022
Australia	38,722	111,273	125,178	148,524	168,695	159,124	141,440	150,110
New Zealand	7,791	28,198	29,306	38,363	41,575	32,517	35,825	39,461
British Oceania	296	606	581	1,065	1,425	1,156	1,509	1,433
French Oceania	754	1,065	1,215	1,215	1,011	917	1,259	1,018
Other Oceania	153	284	225	322				
Africa	24,638	69,729	70,294	89,057	101,279	107,088	116,713	130,535
14. Mediterranean	4,914	20,830	15,595	18,200	23,878	25,145	27,868	33,575
Algeria and Tunisia	[12] 2,357	[12] 7,329	5,525	5,652	6,669	6,855	8,725	10,348
Canary Islands	752	2,110	2,001	1,986	3,833	2,343	3,259	2,766
Egypt	1,688	8,221	5,866	7,394	10,249	11,182	11,059	14,026
Italian Africa	50	63	31	95	15	55	80	65
Morocco	51	2,445	1,570	2,391	2,313	3,296	3,669	5,019
Spanish Africa, n. e. s.	17	661	602	682	799	1,414	1,076	651
15. Other Africa	19,724	48,899	54,699	70,857	77,401	81,943	88,845	97,160
Ethiopia		10	21	7	4	18	21	25
Belgian Congo	34	469	498	787	1,233	729	771	1,382
British Africa—								
West	[14] 3,189	7,835	8,009	10,688	9,913	13,777	13,454	12,381
Union of South Africa	12,910	31,369	36,020	46,162	51,080	52,486	57,016	61,130
Other British South Africa							2,077	2,622
East	708	2,300	2,562	3,840	3,977	4,843	4,890	5,417
Liberia	96	213	209	329	389	756	597	400
Madagascar	18	130	139	168	287	360	313	654
French Africa, n. e. s.	(12)	[12,15] 2,350	2,600	3,256	4,066	2,928	3,353	4,824
Portuguese Africa	2,770	4,687						
Mozambique			3,946	4,907	4,959	4,872	5,008	5,055
Other			695	713	1,492	1,174	1,345	2,270
Latin America (groups 2, 3, 4, and 5)	302,233	741,692	770,416	882,319	872,305	845,879	878,010	972,909
Far East (groups 11, 12, 13)	166,158	632,232	665,594	669,007	771,125	745,841	822,647	819,988

[1] See headnote and Table 529.
[2] Average, 1911–1914.
[3] Irish Free State is included in United Kingdom prior to 1925.
[4] 1925 only.
[5] Figures given under Austria are for Austria-Hungary.
[6] Includes Ukraine reported separately for 1921–1924.
[7] Serbia and Montenegro.
[8] Includes Greece in Asia and Armenia and Kurdistan reported separately for 1921–1924.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1924	1925	1926	1927	1928	1929	
								Asia—Continued.
								11. Southern and Southeastern—Continued.
1	235	171	100	197	142	34	29	French Indo-China.
10,430	80,108	97,088	111,819	103,797	115,980	115,609	125,792	Philippine Islands.
110	301	307	770	633	570	254	527	Siam.
68	94	59	208	414	174	----	----	Other Asia.
125,208	496,575	476,939	574,743	559,275	571,996	541,065	615,629	12. Eastern.
35,323	142,035	117,888	168,939	143,204	151,680	139,951	160,233	China.
3,054	15,937	16,490	17,789	11,293	14,785	13,567	11,665	Hong Kong.
98	2,739	2,442	3,527	3,466	2,688	3,021	4,827	Kwantung.
84,990	335,384	340,095	384,156	400,693	402,105	384,450	431,873	Japan.
1,734	480	24	332	619	738	76	1,031	[11] Soviet Russia in Asia.
17,276	53,994	48,945	77,808	68,355	54,531	53,450	56,557	13. Oceania.
12,312	37,534	32,868	55,110	45,738	38,627	31,577	31,968	Australia.
3,758	13,821	13,525	19,734	18,826	12,671	19,208	20,834	New Zealand.
118	864	649	625	1,454	1,069	1,182	2,027	British Oceania.
1,048	1,489	1,756	1,871	2,337	2,164	1,483	1,728	French Oceania.
40	286	147	468	----	----	----	----	Other Oceania.
22,573	71,489	72,992	92,144	96,420	93,255	90,207	108,608	Africa.
18,096	36,232	32,711	44,999	39,378	39,338	35,619	46,489	14. Mediterranean.
[12] 733	[12] 2,096	1,957	2,933	3,154	4,650	4,938	4,382	Algeria and Tunisia.
139	249	193	282	464	652	835	511	Canary Islands.
16,887	33,471	30,095	41,045	35,215	33,292	28,687	39,675	Egypt.
106	21	1	2	1	11	22	76	Italian Africa.
232	394	465	737	542	731	1,136	1,845	Morocco.
----	----	----	----	----	2	1	----	Spanish Africa, n. e. s.
4,477	35,267	40,281	47,145	57,042	53,917	54,588	62,119	15. Other Africa.
1	2	2	([13])	14	28	26	328	Ethiopia.
7	909	1,186	1,824	1,697	16,015	15,729	11,580	Belgian Congo.
								British Africa—
[14] 749	12,843	12,196	17,349	19,794	23,945	22,168	30,000	West.
2,463	9,292	7,727	9,215	19,827	8,742	9,120	9,638	Union of South Africa.
----	----	----	----	----	----	61	18	Other British South Africa.
942	1,750	1,657	3,344	2,258	1,614	2,810	[15] 3,102	East.
2	29	5	77	280	362	104	101	Liberia.
33	207	231	525	271	108	217	326	Madagascar.
([12])	[12,15] 775	929	1,283	1,199	1,630	1,201	2,466	French Africa, n. e. s.
280	9,615	----	----	----	----	----	----	Portuguese Africa.
----	----	4,024	13,444	11,563	1,300	3,071	4,047	Mozambique.
----	----	11,424	84	141	173	81	13	Other.
435,476	935,569	1,059,183	1,040,539	1,094,046	1,019,233	1,030,153	1,106,917	Latin America (groups 2, 3, 4, and 5).
262,233	975,594	957,317	1,367,967	1,442,823	1,284,415	1,180,587	1,301,788	Far East (groups 11, 12, 13).

[9] Other British East Indies prior to 1922.
[10] Included in other Netherlands East Indies.
[11] Includes Far Eastern Republic reported separately for 1921–1924.
[12] Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.
[13] Less than $500.
[14] Includes Kamerun.
[15] Average, 1922–1925.

No. 539.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

NOTE.—Fiscal years to and including 1915; thereafter, calendar years. All figures except export figures for 1865 and 1870–1878 represent specie values; exports for those years represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables. Exports and imports of the interior districts, a small percentage of the total (see Table 541), are not included in this table

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern border	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	160,216	304,577	153,680	22,303	1,012	528	4,981	7,372	13,688	18,836
1865	257,459	193,741	3,622	1,476			10,905	15,948	16,228	27,580
1870	293,440	370,614	146,020	16,506	2,213	959	14,647	16,241	1,5043	31,639
1871–1875	390,885	501,968	122,677	20,099	2,719	1,440	21,581	26,039	22,318	28,328
1876–1880	533,477	425,404	107,452	12,430	3,114	1,707	33,466	30,326	25,028	22,703
1881–1885	589,552	572,760	114,719	13,834	4,431	2,200	50,742	40,285	32,049	37,141
1886–1890	548,775	594,176	112,611	14,204	3,640	6,413	42,352	46,455	31,000	48,514
1891–1895	655,100	651,233	140,229	21,407	8,597	9,619	44,260	46,683	44,235	48,245
1896–1900	813,139	611,207	188,587	18,356	15,051	4,579	60,712	49,627	79,727	50,247
1901–1905	923,383	776,744	297,581	37,652	25,364	12,931	81,029	55,747	126,276	76,141
1906–1910	1,068,483	1,052,156	408,650	60,901	33,074	16,980	86,229	82,813	192,242	112,757
1911–1915	1,364,246	1,278,953	513,960	100,153	22,785	24,708	135,718	128,019	333,493	169,878
1915–1920[1]	4,234,998	2,245,780	946,560	185,341	49,361	41,471	449,906	429,557	840,366	432,185
1921–1925	2,207,289	2,266,418	1,088,592	233,228	73,826	17,117	374,062	421,082	653,761	456,922
1885	563,743	481,845	97,798	10,820	2,625	2,422	47,923	35,986	30,101	41,845
1886	505,362	533,642	105,431	10,082	2,095	3,730	39,824	38,704	26,813	43,909
1887	538,943	578,040	104,229	11,963	2,654	5,089	41,414	42,223	28,943	49,793
1888	522,696	595,776	104,674	13,865	3,443	5,712	36,314	49,187	28,828	51,263
1889	548,011	609,888	107,600	17,289	4,401	8,182	48,847	51,171	33,543	51,006
1890	628,865	653,535	141,120	17,821	5,608	9,353	45,361	50,993	36,875	49,540
1891	637,454	697,965	151,941	23,214	7,541	11,106	52,583	53,581	34,962	49,584
1892	753,107	689,458	174,686	21,750	6,993	12,501	55,826	49,988	39,666	46,010
1893	624,278	717,360	125,592	24,682	12,152	13,826	42,230	48,315	43,413	52,923
1894	670,266	537,644	126,788	20,661	7,345	8,229	34,599	41,241	53,143	41,693
1895	590,303	613,737	122,138	16,709	8,955	2,435	36,061	40,290	49,991	51,017
1896	635,842	645,204	131,320	17,548	10,984	3,687	44,071	49,174	60,390	56,153
1897	733,205	639,407	181,269	19,991	13,999	4,135	58,925	43,906	63,596	50,006
1898	802,325	502,146	201,848	13,063	12,135	5,065	74,183	50,264	80,981	39,478
1899	870,755	576,163	194,390	17,483	15,820	4,632	56,204	46,873	89,404	45,588
1900	963,569	693,113	234,108	23,693	22,320	6,378	70,175	58,916	104,267	59,948
1901	1,002,841	670,622	285,465	26,670	21,147	10,142	69,534	48,203	107,939	57,120
1902	895,445	724,371	283,079	31,077	24,231	13,704	87,515	54,301	111,441	67,756
1903	904,172	821,252	285,021	38,378	25,036	13,377	79,253	56,475	125,759	82,054
1904	897,106	779,237	334,795	43,924	29,261	12,450	65,723	57,499	133,942	83,744
1905	917,360	888,239	319,544	48,210	26,245	14,981	103,122	62,257	152,300	90,030
1906	1,061,778	974,563	368,723	53,984	34,925	16,945	101,770	66,324	176,665	97,928
1907	1,079,770	1,133,032	469,273	62,908	41,101	18,001	92,030	91,140	198,674	109,172
1908	1,155,761	907,185	396,552	59,341	33,101	10,869	94,207	81,982	181,147	114,874
1909	976,963	1,018,847	409,631	59,566	27,136	16,178	69,949	85,962	179,329	112,690
1910	1,018,144	1,227,165	399,100	68,705	29,100	22,911	73,189	88,657	225,398	129,123
1911	1,166,469	1,163,540	487,929	82,148	30,397	20,364	94,261	102,703	269,890	137,724
1912	1,262,679	1,268,101	463,974	92,245	27,194	22,512	127,542	111,488	322,371	137,882
1913	1,348,811	1,375,850	543,077	103,612	24,903	27,060	146,856	128,895	401,998	153,613
1914	1,304,109	1,374,621	556,388	120,372	16,630	32,803	136,243	138,151	341,183	205,273
1915	1,739,159	1,212,656	508,435	102,388	14,801	20,801	173,686	158,858	332,020	164,897
1915 (6 mos.)	1,303,840	638,241	223,556	44,306	9,766	13,024	97,319	105,067	218,381	105,395
1916	3,826,421	1,654,404	624,381	114,298	23,501	42,970	337,920	294,973	670,418	268,082
1917	4,287,541	1,798,340	663,341	144,479	48,420	46,144	390,024	530,336	844,136	404,061
1918	3,758,942	1,829,544	770,176	156,390	47,556	52,414	538,987	568,563	1,027,428	403,316
1919	5,211,140	2,629,614	1,235,148	220,298	58,021	35,195	599,000	463,137	817,116	529,406
1920	4,904,606	3,801,648	1,683,476	339,513	84,220	38,345	511,233	391,488	1,044,482	665,769
1921	2,378,557	1,726,488	1,076,736	158,231	103,543	10,113	311,605	190,308	614,591	408,411
1922	1,938,344	2,024,214	914,406	188,420	57,012	11,300	312,357	430,152	609,598	440,266
1923	2,070,261	2,534,277	991,864	237,570	59,564	20,155	371,572	480,679	674,231	486,843
1924	2,245,602	2,357,723	1,104,452	281,881	73,253	20,343	447,311	477,302	638,946	441,717
1925	2,403,680	2,839,389	1,295,444	300,038	75,759	23,673	427,475	526,969	681,437	507,373
1926	2,308,548	2,953,131	1,120,944	325,614	72,831	26,317	518,888	546,102	759,473	543,493
1927	2,297,143	2,774,503	1,100,918	285,373	77,120	27,623	506,125	510,569	856,284	555,002
1928	2,290,374	2,677,130	1,227,757	284,576	95,464	30,394	561,007	504,695	924,741	564,119
1929	2,424,262	2,931,456	1,140,328	283,941	115,603	30,595	595,015	523,543	939,071	585,417

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 540.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—**All figures in thousands of dollars.** Fiscal years to and including 1915; thereafter, calendar years. Figures represent specie values except for exports for years 1865 and 1870–1878. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However, in most cases, this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively. See also headnote, Table 539

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	12,748	39,334	80,048	231,310	5,527	14,612	8,940	9,781	18,352	782
1865	19,862	24,390	202,509	152,249	11,053	7,038	12,141	4,816	----------	----------
1870	14,126	47,484	196,615	281,049	16,928	14,483	14,511	19,512	29,747	1,002
1871–1875	25,334	59,165	257,564	383,499	24,907	22,809	21,631	27,966	30,749	807
1876–1880	47,545	45,732	321,999	331,362	45,503	24,360	50,007	19,098	20,591	484
1881–1885	64,752	64,684	357,502	453,943	39,145	32,807	51,007	13,801	22,191	702
1886–1890	61,519	62,591	322,039	467,009	33,042	44,150	51,657	12,868	22,619	354
1891–1895	83,827	68,510	360,521	503,284	43,432	57,617	75,026	14,873	25,020	387
1896–1900	110,895	89,025	433,950	477,123	58,495	43,284	98,725	12,390	27,214	377
1901–1905	102,378	80,132	511,464	597,139	73,588	53,972	88,505	22,211	51,684	933
1906–1910	88,467	113,207	639,080	798,313	88,842	74,278	91,931	30,252	60,781	2,352
1911–1915	76,794	141,012	913,312	975,410	74,238	86,261	107,095	30,196	84,022	4,882
1915–1920[1]	217,236	273,049	2,912,529	1,703,482	415,261	144,849	320,396	42,282	139,812	16,745
1921–1925	55,559	257,227	1,611,328	1,675,784	117,333	182,857	113,995	77,686	71,832	19,714
1885	62,000	53,446	344,515	380,078	38,723	29,919	45,053	11,850	20,871	653
1886	54,090	58,431	314,329	419,339	33,753	36,561	35,848	11,697	20,305	426
1887	59,002	61,018	316,347	456,699	35,427	39,952	51,607	12,536	23,783	202
1888	56,457	63,898	310,627	470,427	28,846	41,772	46,237	11,742	20,256	294
1889	66,834	66,731	319,839	472,154	29,775	48,529	50,612	15,224	17,865	374
1890	71,202	62,877	349,052	516,427	37,411	53,936	73,984	13,140	30,884	472
1891	77,020	71,213	346,529	537,786	33,674	59,428	64,412	20,556	33,506	516
1892	87,176	71,780	413,953	536,538	58,541	60,007	98,850	13,419	25,704	302
1893	85,460	79,358	347,396	548,559	49,402	66,122	71,507	16,151	19,840	338
1894	83,972	53,309	360,146	415,796	40,501	53,727	78,422	11,979	25,527	353
1895	85,505	66,889	325,580	477,741	35,043	48,803	61,939	12,261	20,524	426
1896	95,851	79,180	354,275	499,933	39,567	43,841	66,309	13,477	21,409	274
1897	100,857	90,178	391,680	480,604	47,305	48,073	85,693	11,371	23,443	416
1898	117,532	91,475	445,516	402,281	56,244	31,420	118,846	8,907	28,938	392
1899	128,037	62,098	459,444	465,560	60,950	41,223	107,156	9,151	24,030	376
1900	112,196	72,196	518,834	537,237	78,406	51,866	115,530	19,045	38,252	430
1901	143,708	61,452	529,593	527,260	79,354	48,043	106,239	18,899	46,739	645
1902	102,404	71,921	490,362	559,931	80,383	47,750	80,533	22,825	41,525	572
1903	88,126	86,311	505,830	618,706	73,532	59,995	81,704	27,803	54,141	1,037
1904	89,846	80,658	506,808	600,171	71,393	53,890	82,836	20,346	53,770	924
1905	87,804	100,318	524,726	679,629	63,278	60,181	91,215	21,181	62,245	1,480
1906	98,740	106,442	607,160	734,351	82,564	70,801	109,925	30,085	64,840	1,503
1907	100,872	124,433	627,950	853,697	94,832	79,870	104,809	37,774	63,040	2,204
1908	96,051	93,679	701,063	688,216	109,261	63,432	89,989	29,477	61,695	2,044
1909	76,158	112,473	607,239	779,309	84,286	68,884	77,551	24,022	50,900	2,152
1910	70,517	129,006	651,986	935,991	73,266	88,403	77,382	29,901	63,428	3,855
1911	71,534	116,597	772,552	881,593	69,956	83,627	85,121	32,174	72,076	5,297
1912	69,092	129,293	817,946	975,744	69,070	85,038	92,211	26,438	104,287	5,130
1913	69,553	146,599	917,936	1,048,321	76,315	93,210	116,474	32,895	58,235	4,462
1914	65,715	159,916	864,545	1,040,381	65,183	96,483	109,690	34,489	110,595	6,270
1915	107,476	152,654	1,103,581	931,011	90,666	72,948	131,978	24,983	74,919	3,251
1915 (6 mos.)	53,707	81,345	1,026,310	498,617	77,089	31,420	57,647	11,938	20,262	859
1916	183,953	202,990	2,790,403	1,257,185	317,134	111,411	291,168	38,942	68,638	1,684
1917	208,532	229,404	2,901,138	1,361,662	502,224	102,244	377,376	36,963	107,777	4,888
1918	221,315	295,915	2,560,857	1,294,415	425,072	116,011	300,717	35,983	111,391	15,001
1919	334,487	299,365	3,456,329	2,064,654	519,564	153,819	353,713	38,900	258,682	15,397
1920	192,802	392,753	3,283,873	2,892,621	442,250	282,763	381,557	69,824	202,014	54,269
1921	60,251	164,922	1,730,256	1,332,265	130,672	122,302	142,810	41,124	64,124	9,986
1922	50,545	238,507	1,375,396	1,484,685	120,477	154,332	124,941	60,069	67,673	14,072
1923	52,159	307,288	1,518,852	1,797,820	106,507	219,710	93,436	91,836	51,493	28,928
1924	57,346	253,852	1,657,698	1,690,003	106,444	202,597	100,172	100,494	77,337	22,666
1925	47,494	321,567	1,774,436	2,074,149	119,064	215,343	108,614	94,906	98,534	22,917
1926	41,283	305,879	1,662,538	2,224,964	97,005	195,823	129,348	106,241	104,594	19,490
1927	42,181	288,499	1,726,110	2,042,783	90,911	204,500	101,323	108,967	97,228	18,050
1928	45,470	276,512	1,769,904	1,950,058	88,424	215,692	98,974	110,026	60,199	18,394
1929	40,763	290,394	1,903,095	2,152,716	123,862	243,547	84,231	116,569	57,912	18,698

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 540.—Exports (Including Reexports) and General Imports of Merchandise, by Principal Customs Districts—Continued

[All figures in thousands of dollars]

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	108,165	20,636	5,772	533	3,049	4,850	1,165	60	3,827	961
1865	3,582	1,464			991	7,118	4,590	311	2,877	1,441
1870	107,587	14,377	14,874	509	353	9,275	2,613	736	3,116	1,736
1871–1875	90,675	16,694	15,768	1,612	739	7,145	5,053	911	6,314	2,461
1876–1880	78,894	9,796	15,214	1,155	578	5,979	3,389	474	9,915	2,994
1881–1885	86,165	10,683	21,011	1,982	412	8,304	3,223	2,717	13,969	5,136
1886–1890	87,059	11,707	16,319	663	483	9,926	2,013	12,260	15,664	5,375
1891–1895	93,628	18,583	30,707	776	4,673	7,069	3,054	15,853	16,729	6,081
1896–1900	99,832	13,833	65,432	1,385	15,077	6,030	4,796	12,936	26,018	5,609
1901–1905	147,174	28,215	114,840	2,055	30,760	8,465	5,043	18,150	39,045	7,973
1906–1910	153,171	45,945	185,524	4,717	47,483	12,562	4,564	24,766	62,736	13,426
1911–1915	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,360	20,967
1915–1920[1]	428,107	149,070	346,984	15,930	198,686	88,161	21,379	40,133	294,375	61,893
1921–1925	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,859
1885	79,148	8,689	12,679	1,157	467	8,657	2,083	9,918	14,745	4,346
1886	82,560	8,115	16,967	767	410	8,766	2,310	10,183	12,492	5,052
1887	79,520	9,652	18,903	705	450	9,548	1,461	11,704	14,172	5,032
1888	81,257	11,618	15,703	716	476	10,357	1,632	12,721	13,645	5,534
1889	83,829	14,492	15,576	723	489	11,280	2,181	13,100	18,613	5,867
1890	108,127	14,668	24,447	416	588	9,726	2,481	13,590	19,399	5,389
1891	109,107	20,267	33,772	648	732	8,809	2,340	15,303	16,510	6,933
1892	131,253	18,910	35,386	1,317	730	7,688	3,678	14,976	17,928	6,297
1893	77,888	21,790	37,476	863	3,022	7,511	4,084	18,448	15,903	6,977
1894	81,529	18,088	35,012	681	9,240	4,478	3,610	15,486	16,700	6,284
1895	68,413	13,862	41,887	370	9,638	6,858	1,558	15,053	16,604	5,915
1896	80,987	13,471	36,397	603	10,799	5,968	1,293	15,546	22,928	6,650
1897	101,494	16,619	58,198	779	10,818	7,189	2,310	11,528	22,273	6,381
1898	112,827	9,664	68,429	1,166	14,571	5,386	7,489	10,141	23,606	5,002
1899	87,993	11,918	78,477	2,921	14,989	5,449	7,675	12,154	28,725	4,657
1900	115,859	17,491	85,658	1,454	24,206	6,959	5,212	15,310	32,559	5,353
1901	152,777	20,462	101,857	954	23,629	6,726	10,030	14,532	33,742	6,232
1902	134,487	23,763	90,722	969	25,121	8,233	5,093	16,861	34,735	7,530
1903	149,073	28,881	104,121	1,511	28,696	8,973	4,551	20,122	40,328	8,566
1904	148,595	34,037	145,316	1,848	35,601	7,980	2,322	21,088	41,688	8,480
1905	150,937	33,933	126,182	4,992	40,755	10,413	3,221	18,145	44,733	8,957
1906	150,479	39,405	160,318	5,019	44,207	10,132	2,581	22,210	57,750	10,998
1907	170,562	46,047	237,308	7,029	48,750	11,744	4,013	25,017	64,865	11,515
1908	159,456	42,786	161,352	5,694	46,460	11,316	4,925	26,172	61,108	14,537
1909	144,982	45,713	189,464	3,355	42,891	13,065	4,775	23,671	60,161	14,172
1910	140,377	55,712	173,179	2,488	55,109	16,553	6,529	26,761	69,794	15,909
1911	172,835	66,722	220,505	3,531	67,279	18,973	6,916	30,586	81,898	17,031
1912	149,161	75,090	218,146	4,310	81,543	20,506	7,665	28,749	96,941	16,815
1913	169,980	82,399	281,458	7,821	103,103	20,405	4,869	32,537	112,641	19,637
1914	193,840	89,383	255,768	12,245	87,676	30,306	8,688	38,631	102,573	26,347
1915	209,373	79,745	230,392	10,148	73,959	31,415	23,505	29,498	117,747	24,956
1915 (6 mos.)	91,583	35,976	92,370	2,814	50,015	20,126	7,835	14,018	84,852	14,225
1916	266,662	92,041	252,545	8,373	184,019	41,421	3,990	29,006	222,663	32,575
1917	320,891	116,249	220,229	13,979	212,820	105,612	4,419	27,008	279,143	54,131
1918	399,997	124,258	226,834	14,013	208,340	99,915	69,019	40,301	379,158	57,231
1919	563,073	177,286	467,183	17,704	199,051	96,378	6,524	45,804	297,029	74,896
1920	712,380	274,073	649,253	30,730	237,930	121,436	25,800	64,504	356,220	107,351
1921	423,043	110,283	452,911	18,858	154,169	59,241	45,230	41,491	177,901	63,052
1922	353,282	129,756	417,142	21,160	146,021	70,283	38,506	46,914	205,977	65,442
1923	301,416	171,620	530,540	32,962	178,818	70,316	13,997	45,555	226,590	90,019
1924	411,691	205,974	579,509	41,487	156,256	72,247	26,415	45,739	195,902	81,537
1925	467,279	221,023	639,418	35,862	177,764	115,496	14,259	50,630	252,274	84,247
1926	413,793	238,505	533,825	38,906	191,676	125,668	17,843	50,478	272,375	101,682
1927	370,607	211,684	554,893	35,883	219,904	137,936	17,718	51,585	279,907	91,314
1928	375,837	211,783	682,346	30,801	223,938	144,928	9,002	50,381	328,439	92,099
1929	384,570	208,431	573,567	30,635	239,803	157,380	8,178	52,583	342,646	105,438

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 540.—Exports (Including Reexports) and General Imports of Merchandise, by Principal Customs Districts—Continued

[All figures in thousands of dollars]

Year or yearly average	San Francisco		Washington	
	Exports	Imports	Exports	Imports
1860	4,868	7,367	63	
1865	9,988	15,802	633	12
1870	13,992	15,983	428	35
1871–1875	19,478	25,459	497	30
1876–1880	27,718	29,798	486	33
1881–1885	41,740	39,109	1,647	109
1886–1890	33,035	44,344	2,708	417
1891–1895	32,365	43,557	5,627	1,068
1896–1900	36,607	40,443	13,948	6,399
1901–1905	37,751	38,188	30,708	9,007
1906–1910	32,758	49,226	38,567	23,409
1911–1915	60,154	63,760	57,711	50,200
1915–1920[1]	186,317	197,613	222,702	206,862
1921–1925	158,275	165,500	110,361	214,213
1885	38,116	35,040	3,185	238
1886	30,228	37,142	2,123	661
1887	32,711	40,708	1,770	348
1888	27,685	46,693	2,251	407
1889	37,673	48,426	4,009	362
1890	36,876	48,751	3,326	305
1891	40,109	50,943	5,729	477
1892	40,737	47,136	6,508	573
1893	31,144	45,291	5,093	840
1894	24,903	38,147	4,942	1,230
1895	24,873	36,270	5,805	2,222
1896	31,583	41,400	6,855	5,484
1897	39,648	34,376	11,865	7,066
1898	41,224	42,823	17,919	5,058
1899	30,215	35,747	16,200	7,240
1900	40,368	47,870	17,903	7,149
1901	34,597	35,162	20,679	6,721
1902	38,184	35,103	33,780	11,971
1903	33,503	36,454	32,500	12,177
1904	32,547	37,543	22,730	11,285
1905	49,924	46,676	43,843	7,378
1906	39,915	44,433	49,235	13,614
1907	33,027	54,095	43,659	25,353
1908	28,000	48,251	44,033	22,209
1909	31,669	49,998	25,788	26,960
1910	31,181	49,351	30,121	28,910
1911	40,625	53,885	39,361	36,655
1912	49,250	59,235	63,746	39,011
1913	66,021	62,502	62,548	51,474
1914	63,375	67,111	55,012	55,392
1915	81,501	76,068	67,888	68,467
1915 (6 mos.)	41,807	42,200	46,161	55,933
1916	126,758	117,128	200,448	161,780
1917	175,136	231,979	196,932	289,078
1918	214,695	245,519	296,166	300,954
1919	240,518	238,027	292,274	195,019
1920	225,828	211,928	192,880	134,079
1921	129,111	97,129	90,327	58,539
1922	145,099	170,815	90,071	218,218
1923	160,432	166,685	116,088	262,156
1924	173,442	140,335	134,760	270,284
1925	183,292	196,837	120,557	261,870
1926	186,773	210,139	147,570	261,880
1927	174,555	199,999	129,513	239,284
1928	201,265	198,275	150,817	229,024
1929	206,018	212,678	153,874	216,774

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 541.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, AND DUTIES COLLECTED, BY CUSTOMS DISTRICTS

NOTE.—"Duties collected" are as reported to the Treasury Department by collectors, subject in certain cases to subsequent refund as well as drawback. These figures are somewhat higher than duties as calculated on the basis of imports for consumption as shown in Table 522

[All figures in thousands of dollars]

Customs district	Exports, domestic and foreign			Imports			Duties collected
	1927	1928	1929	1927	1928	1929	1929
Total	4,865,375	5,128,356	5,240,995	4,184,742	4,091,444	4,399,361	596,128
North Atlantic coast	1,868,434	1,912,048	2,077,395	2,580,046	2,482,631	2,733,618	431,841
Maine and New Hampshire	9,142	8,141	9,472	30,346	28,584	30,451	1,330
Massachusetts	42,181	45,470	40,763	288,499	276,512	290,394	39,290
Rhode Island	81	108	203	7,238	4,896	8,995	1,906
Connecticut	9			6,680	6,890	7,514	1,269
New York	1,726,110	1,769,904	1,903,095	2,042,783	1,950,058	2,152,716	345,678
Philadelphia	90,911	88,424	123,862	204,500	215,692	243,547	40,368
South Atlantic coast	428,708	378,326	346,667	194,457	194,499	197,338	35,789
Maryland	101,323	98,974	84,231	108,967	110,026	116,569	11,507
Virginia	174,229	182,595	172,000	23,922	32,818	30,567	5,966
North Carolina	12,288	11,178	9,608	20,546	7,381	10,873	8,845
South Carolina	36,082	18,981	17,998	11,702	12,554	9,102	494
Georgia	97,228	60,199	57,912	18,056	18,394	18,698	7,134
Porto Rico	7,558	6,398	5,118	11,264	13,326	11,729	[1] 1,753
Gulf coast	1,100,918	1,227,757	1,140,328	285,373	284,576	283,941	43,946
Florida	62,404	54,264	58,428	26,914	28,340	30,125	3,968
Mobile	54,011	48,859	55,509	8,808	10,319	10,706	492
New Orleans	370,607	375,837	384,570	211,684	211,783	208,431	30,341
Sabine	59,004	66,451	68,254	2,085	3,333	4,045	34
Galveston	554,893	682,346	573,567	35,883	30,801	30,635	9,111
Mexican border	77,120	95,464	115,663	27,623	30,394	39,595	2,925
San Antonio	50,633	75,152	92,418	5,891	6,715	7,177	861
El Paso	9,971	10,131	10,724	7,190	6,081	6,390	587
Arizona	10,516	10,182	12,522	14,541	17,598	26,028	1,477
Pacific coast	506,125	561,007	595,015	510,569	504,695	523,549	28,548
Washington	129,513	150,817	153,874	239,284	229,024	216,774	5,347
Oregon	78,733	63,879	66,060	14,208	12,124	19,700	1,441
San Francisco	174,555	201,265	206,018	190,999	198,275	212,678	12,752
Los Angeles	120,573	141,899	166,329	47,140	54,351	63,685	7,074
Alaska	484	623	607	766	559	954	20
Hawaii	2,268	2,524	2,126	9,172	10,361	9,753	1,914
Northern border	856,284	924,741	939,071	555,002	564,119	585,417	41,046
Vermont	50,628	61,060	67,537	47,680	54,905	56,193	1,823
St. Lawrence	76,544	77,987	81,210	132,392	127,984	114,686	1,983
Rochester	8,345	12,576	14,706	8,249	8,430	8,182	2,051
Buffalo	210,904	223,938	239,803	137,936	144,928	157,380	7,223
Ohio	31,978	35,385	36,562	19,203	23,657	29,495	4,850
Michigan	279,907	328,439	342,646	91,314	92,099	105,433	6,025
Chicago	17,718	9,002	8,178	51,585	50,381	52,583	14,808
Wisconsin	3,069	3,467	3,568	6,813	5,735	5,820	781
Duluth and Superior	101,141	84,265	55,201	22,310	23,553	25,731	355
Dakota	60,738	79,267	78,251	34,786	20,344	26,712	853
Montana and Idaho	6,312	9,354	11,408	2,733	3,103	3,201	294
Interior				31,673	30,530	35,408	12,033
Pittsburgh				8,098	7,385	9,233	5,006
Kentucky				420	1,302	1,156	502
Tennessee				479	543	794	166
Indiana				1,955	1,793	2,173	613
Iowa				192	169	242	93
Omaha				1,471	682	1,205	383
St. Louis				10,838	10,226	11,411	3,257
Minnesota				7,274	7,413	7,598	1,653
Colorado				872	918	1,497	300
Utah and Nevada				75	99	99	69
Parcel post	27,785	29,014	26,656				

[1] Total duties collected. This amount less the cost of collection is turned into the island treasury.

No. 542.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

Year ended Dec. 31	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
	North America		South America		Europe		Asia and Oceania	
1921	194,954	41,959	6,023	6,816	19,884	175,432	17,258	12,729
1922	233,412	50,504	10,032	8,199	19,912	204,699	12,457	10,789
1923	208,846	70,536	14,978	16,325	28,245	246,098	17,139	21,822
1924	252,056	67,188	16,543	18,053	22,350	194,974	15,596	21,447
1925	332,984	68,471	15,753	28,160	27,274	262,640	15,954	26,832
1926	300,070	82,115	14,995	32,413	25,918	219,952	24,097	25,994
1927	371,419	91,285	17,050	30,908	30,552	274,524	14,735	29,031
1928	286,994	174,215	15,811	23,117	101,755	198,741	19,719	22,915
1929	288,133	81,055	11,142	29,912	29,298	192,858	17,793	32,737
	Africa		Canada		Mexico		Cuba	
1921	486	1,669	181,221	21,419	3,663	5,604	3,937	7,586
1922	513	2,135	214,662	27,978	6,516	6,913	5,464	8,693
1923	1,145	5,572	273,861	36,755	8,018	7,987	6,728	14,630
1924	651	5,529	226,410	32,271	9,383	9,803	6,001	13,841
1925	905	6,708	308,133	24,701	9,165	9,731	6,953	18,076
1926	1,614	6,219	275,891	37,748	7,849	11,574	7,318	17,554
1927	1,807	9,215	338,611	38,069	13,339	12,502	10,010	23,427
1928	2,465	7,756	252,359	132,403	15,554	11,966	8,455	13,428
1929	1,219	11,007	249,082	36,293	22,886	11,288	6,149	17,095
	Argentina		Peru		United Kingdom		Belgium	
1921	602	2,342	2,692	340	11,191	90,022	564	9,935
1922	1,446	3,378	3,619	169	11,283	101,437	374	12,161
1923	3,683	7,218	6,142	285	16,602	164,018	798	15,509
1924	3,342	8,197	6,621	474	11,273	96,822	808	14,442
1925	2,378	12,206	7,500	968	13,050	121,729	1,085	16,453
1926	3,610	10,446	5,349	1,287	10,875	92,081	1,613	16,130
1927	3,906	13,117	7,211	1,408	11,177	149,926	3,277	13,682
1928	4,996	8,536	3,743	1,748	61,832	100,773	3,399	12,186
1929	2,745	10,285	3,055	1,593	11,678	90,389	1,636	8,800
	France		Netherlands		Germany		Italy	
1921	1,442	10,712	1,623	8,971	1,365	6,791	928	19,715
1922	1,463	11,419	1,941	16,174	1,987	7,606	940	27,539
1923	2,450	16,526	2,140	28,653	1,707	18,198	1,638	27,464
1924	1,751	13,495	2,776	13,221	2,047	21,858	1,348	15,544
1925	2,057	14,477	3,808	17,546	2,969	30,925	2,021	22,671
1926	1,712	7,832	3,038	22,221	3,842	32,922	1,700	12,670
1927	1,630	14,098	3,645	22,123	5,482	29,235	1,953	18,950
1928	4,813	13,588	6,463	14,123	11,199	27,025	4,718	12,014
1929	1,400	15,783	3,491	15,050	5,387	27,501	1,718	10,186

No. 543.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

Year ended Dec. 31	Total	Atlantic Coast				Gulf coast	Mexican border	Pacific coast	Northern border
		Total[1]	Maine and New Hampshire	New York	Philadelphia				
1921	238,605	209,753	29,864	137,835	22,845	347	2,628	10,103	15,774
1922	276,325	245,141	18,306	155,074	30,110	857	3,406	10,896	16,025
1923	360,354	313,754	30,787	215,601	30,179	1,176	2,516	14,546	28,361
1924	307,197	261,586	15,561	196,345	21,320	580	4,491	17,681	22,858
1925	392,871	356,535	13,491	275,581	38,497	170	3,000	16,595	16,565
1926	306,603	314,645	15,296	241,480	24,327	235	3,912	21,987	25,915
1927	435,564	333,512	10,575	266,704	26,774	2,265	5,236	22,760	71,791
1928	426,744	307,778	5,372	248,764	17,300	8,380	3,404	15,770	91,411
1929	347,569	274,611	3,785	234,405	11,182	9,866	9,566	17,177	36,367

[1] Includes districts not specified.

No. 544.—VALUE OF PRINCIPAL ARTICLES

NOTE.—Specie values except for 1865, and 1870–1878; for those years mixed gold and currency values, thereafter. In some cases blanks represent entire absence

[All figures in thou

Year or yearly average	Meat products	Animal fats and oils	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, unmanufactured
1821					4,476				315	5,649
1830					6,182		24		356	5,586
1840					11,779		55		666	9,884
1850					7,742		25		1,372	9,951
1860	8,080	6,200	693		19,525	1,609	206	241	3,886	15,907
1865	20,696	14,473	669	169	46,905	2,267	415	291	343	41,625
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871–1875	33,937	25,773	3,785	710	82,188	4,195	1,138	212	5,192	24,475
1876–1880	66,660	35,496	7,256	2,194	133,946	5,268	1,831	262	4,511	23,580
1881–1885	69,344	37,492	7,374	2,185	157,600	6,551	2,893	560	6,364	19,407
1886–1890	59,734	35,168	9,167	380	106,331	7,143	3,724	857	6,009	23,085
1891–1895	82,184	51,133	11,931	2,570	147,211	8,565	4,075	1,450	7,536	22,896
1896–1900	100,858	53,370	18,703	4,075	148,176	12,300	8,394	2,280	9,934	25,289
1901–1905	110,948	70,933	24,019	1,311	131,029	19,470	14,778	4,605	13,898	29,891
1906–1910	93,563	87,326	31,234	989	117,768	23,472	15,531	7,831	19,438	33,188
1911–1915	81,315	83,806	44,656	3,613	172,788	25,570	31,866	13,362	21,852	46,064
1915–1920 [1]	401,251	166,868	110,215	52,009	512,963	21,978	61,501	46,430	20,417	139,509
1921–1925	136,833	146,401	44,287	39,475	321,864	24,095	82,869	39,003	22,379	164,596
1885	63,206	31,732	8,539	2,016	125,079	6,674	3,516	686	4,985	22,026
1886	54,894	27,198	7,553	146	88,706	7,054	3,310	664	4,844	27,158
1887	53,179	32,105	9,170	228	142,667	7,310	2,670	834	5,861	25,948
1888	52,462	32,354	8,423	61	111,019	6,424	3,510	867	5,930	21,936
1889	59,727	35,982	9,515	172	86,949	6,928	5,072	832	5,966	18,901
1890	78,409	48,202	11,175	1,294	102,312	8,000	4,060	1,090	7,444	21,480
1891	81,965	51,011	12,023	230	106,126	7,452	2,435	1,236	8,192	21,034
1892	84,048	48,841	10,518	11,455	236,761	9,713	6,626	1,416	7,990	20,670
1893	80,842	50,967	10,695	1,013	109,029	9,689	3,919	1,609	7,287	22,892
1894	81,698	57,311	12,779	136	128,679	8,807	2,424	1,472	6,791	24,035
1895	82,369	47,534	13,640	17	95,458	7,166	4,972	1,517	7,420	25,799
1896	82,387	46,719	17,765	456	91,735	7,950	5,679	1,969	8,844	24,571
1897	89,017	42,595	16,431	3,675	115,835	9,611	7,739	1,927	9,215	24,711
1898	105,980	54,771	17,796	8,838	214,948	12,582	9,013	2,058	9,155	22,172
1899	110,410	60,579	19,725	5,951	177,363	14,549	7,897	2,321	9,983	25,467
1900	116,494	62,187	21,797	1,457	140,998	16,806	11,643	3,124	12,474	29,422
1901	123,367	68,220	21,321	1,333	166,231	18,724	10,827	3,059	12,587	27,656
1902	122,912	72,985	22,350	1,590	178,537	19,943	8,719	4,032	11,734	27,104
1903	106,109	72,258	23,514	3,157	161,552	19,839	18,058	4,674	12,919	35,261
1904	103,229	71,040	24,852	452	104,745	17,069	20,679	5,149	16,145	29,641
1905	99,035	70,158	28,058	21	44,082	21,777	15,607	5,509	16,107	29,801
1906	114,670	92,110	29,317	925	87,864	23,992	15,274	6,544	20,076	28,808
1907	107,571	94,098	32,058	573	122,390	26,416	17,588	7,429	21,687	33,387
1908	102,045	92,076	26,970	2,201	163,907	21,867	14,339	7,574	21,642	34,727
1909	81,773	86,575	30,413	1,064	119,252	25,836	16,568	7,433	15,101	30,903
1910	61,758	71,769	37,414	184	95,428	19,251	18,886	10,176	18,682	38,115
1911	66,391	85,665	37,200	27	71,427	19,631	24,498	12,453	25,023	39,255
1912	71,874	85,512	41,798	22	79,477	28,229	30,964	12,823	26,755	43,252
1913	68,018	88,573	42,384	1,282	142,208	29,444	37,079	14,325	26,471	49,354
1914	68,443	80,562	36,669	1,586	142,408	21,668	31,850	12,441	19,882	53,964
1915	131,850	78,720	65,229	15,150	428,422	28,879	34,933	14,768	11,127	44,494
1915 (6 mos.) [2]	90,466	33,808	42,079	7,556	146,718	14,978	22,549	15,841	5,430	30,454
1916	198,000	85,002	100,498	19,380	313,240	33,253	37,345	33,934	16,289	62,833
1917	273,908	99,666	80,817	27,960	384,272	15,810	35,332	34,788	14,401	45,574
1918	667,527	181,421	55,127	31,065	505,266	2,785	32,373	31,501	10,236	122,918
1919	697,707	326,290	218,784	74,211	650,351	36,041	126,265	53,866	31,434	259,986
1920	279,270	191,587	108,876	125,878	821,448	18,012	84,390	85,437	34,503	245,532
1921	157,122	145,955	31,787	44,589	550,752	24,489	70,157	30,786	11,449	205,133
1922	140,175	118,215	45,471	46,075	291,521	19,898	75,864	34,009	18,510	146,489
1923	153,677	158,520	42,834	29,021	204,641	19,831	68,619	36,972	24,820	153,439
1924	121,156	159,017	49,188	40,204	328,324	27,590	97,689	40,622	25,309	104,130
1925	127,033	150,298	52,155	37,484	233,784	31,666	102,015	52,630	31,809	153,787
1926	106,837	136,111	49,815	12,370	284,872	26,458	111,797	60,733	36,865	136,919
1927	71,011	116,760	54,003	39,913	324,836	30,186	121,665	70,691	34,335	139,667
1928	67,722	119,442	55,178	17,567	193,743	27,198	129,324	69,545	26,433	154,465
1929	78,756	124,066	42,942	3,697	192,292	28,415	137,466	76,954	30,997	146,084

[1] Includes semimanufactures.

[2] Average for period July 1, 1915, to Dec. 31, 1920.

OF UNITED STATES MERCHANDISE EXPORTED

Figures are for fiscal years ended Sept. 30, through 1840, and June 30, 1850 through 1915; calendar years of trade; in other cases the item was not segregated

sands of dollars]

Cotton, raw	Cotton manufactures[1]	Sawmill products	Other wood manufactures	Coal and coke	Petroleum and products	Iron and steel-mill products	Copper and manufactures	Machinery, all classes	Automobiles including engines and parts	Year or yearly average
20,157	------	1,513	------	------	------	------	27	------	------	1821.
29,675	1,318	1,650	426	------	------	------	37	------	------	1830.
63,870	3,560	2,072	921	------	------	------	87	------	------	1840.
71,985	4,734	2,545	2,279	167	------	------	105	------	------	1850.
191,807	10,935	3,884	6,148	741	------	------	1,664	------	------	1860.
6,836	3,452	7,020	11,261	1,371	15,766	1,190	1,545	7,222	------	1865.
227,028	3,787	4,660	7,886	1,306	32,669	539	1,042	5,783	------	1870.
205,624	3,196	6,749	9,108	2,538	36,913	1,115	749	8,373	------	1871–1875.
183,530	10,047	7,840	7,924	2,474	43,808	1,135	2,564	8,357	------	1876–1880.
218,763	12,603	11,796	9,347	4,077	47,753	1,322	3,951	13,552	------	1881–1885.
224,014	12,423	13,376	8,846	5,747	51,151	1,922	7,309	13,662	------	1886–1890.
230,743	13,354	14,782	9,694	10,184	49,344	3,241	14,392	22,061	------	1891–1895.
220,894	20,494	22,390	13,863	14,005	68,766	20,438	38,745	50,125	------	1896–1900.
335,443	31,333	34,447	17,413	26,121	82,260	32,759	54,942	77,958	------	1901–1905.
437,582	35,141	50,754	21,075	38,825	103,803	54,297	92,334	113,983	6,292	1906–1910.
537,044	52,525	61,379	24,687	58,648	137,058	96,313	123,655	158,897	35,805	1911–1915.
768,361	214,697	60,630	86,556	151,590	347,396	491,191	208,909	354,216	157,775	1915–1920.[2]
804,985	133,052	85,078	30,846	131,112	405,051	166,776	129,761	320,988	177,164	1921–1925.
201,962	11,837	11,017	8,401	4,581	51,983	1,422	10,187	10,970	------	1884.
205,086	13,960	11,040	8,112	4,207	51,029	1,372	5,672	10,102	------	1885.
200,222	14,929	10,685	7,710	4,561	48,858	1,465	3,727	10,598	------	1887.
223,017	13,013	12,532	8,331	6,345	49,211	1,925	8,877	12,156	------	1888.
237,775	10,213	15,977	10,205	6,714	51,943	2,056	9,867	15,934	------	1889.
250,969	9,999	16,646	9,872	6,910	53,812	2,793	8,403	19,521	------	1890.
200,713	13,605	14,887	9,042	8,434	55,741	3,189	11,875	21,110	------	1891.
258,461	13,226	14,721	9,056	8,761	48,771	2,871	13,263	21,475	------	1892.
188,771	11,809	14,851	9,499	10,185	46,658	3,358	9,117	21,809	------	1893.
210,869	14,341	14,463	10,561	12,093	45,320	3,340	22,133	21,687	------	1894.
204,901	13,790	14,989	10,313	11,445	50,230	3,446	15,573	24,224	------	1895.
190,056	15,837	17,315	11,836	11,146	66,790	4,692	21,754	29,313	------	1896.
230,801	21,038	22,038	13,642	11,556	67,592	10,782	33,681	37,738	------	1897.
230,442	17,024	20,393	13,393	12,293	62,156	18,973	33,005	44,438	------	1898.
210,090	23,567	23,591	13,939	14,294	63,078	29,207	36,424	61,117	------	1899.
242,989	24,003	28,614	16,506	20,737	84,214	38,534	58,862	78,020	------	1900.
315,105	20,272	32,370	15,415	23,751	77,970	40,455	44,614	73,489	------	1901.
291,598	32,108	27,546	16,330	22,486	81,162	25,686	43,820	67,510	949	1902.
317,065	32,216	33,681	19,110	23,119	76,665	21,418	40,595	76,202	1,207	1903.
372,049	22,404	42,106	18,256	30,044	87,920	30,832	58,119	83,841	1,896	1904.
381,399	40,666	36,533	17,936	31,387	87,582	45,402	87,564	88,748	2,481	1905.
401,006	52,944	44,115	20,511	30,652	92,850	51,183	83,179	108,379	3,497	1906.
481,278	32,305	58,237	20,969	37,741	93,887	55,451	96,601	125,255	5,502	1907.
437,788	25,178	53,839	22,825	42,074	112,857	57,820	105,873	120,581	5,278	1908.
417,391	31,879	44,213	19,879	40,069	112,446	46,630	86,708	98,983	5,992	1909.
450,447	33,397	53,308	21,193	43,590	106,977	60,403	89,309	116,718	11,190	1910.
585,319	40,852	62,947	24,384	48,314	105,494	78,790	104,908	151,205	15,509	1911.
565,849	50,770	66,811	25,667	55,587	122,789	102,385	117,083	160,645	26,435	1912.
547,357	51,510	76,955	30,764	68,416	149,256	124,222	143,124	194,738	32,982	1913.
610,475	49,246	70,095	26,326	62,711	161,085	90,920	151,472	167,909	34,591	1914.
376,218	70,247	30,085	16,296	58,211	146,668	85,247	101,690	119,990	69,510	1915.
157,548	48,714	19,086	9,959	37,236	83,264	100,894	70,033	94,935	59,647	1915 (6 mos.).[3]
545,229	127,052	33,061	20,818	72,500	220,089	375,975	236,859	278,071	123,064	1916.
575,304	157,267	40,302	26,602	118,956	273,906	644,924	362,871	355,658	124,476	1917.
674,123	170,106	54,121	28,095	119,742	369,542	632,219	206,732	269,951	100,889	1918.
1,137,371	270,235	76,884	51,239	125,505	374,530	449,939	130,790	361,900	156,426	1919.
1,136,409	398,458	110,013	64,347	359,805	589,348	497,601	141,717	587,671	303,262	1920.
534,242	115,539	52,532	28,040	170,983	399,871	236,120	97,898	408,465	83,749	1921.
673,250	136,679	67,890	24,485	95,562	344,255	136,218	103,874	234,028	103,202	1922.
807,103	136,188	103,378	33,347	160,014	365,625	167,005	129,220	282,296	170,612	1923.
950,581	130,687	101,999	32,248	115,966	442,554	150,369	156,646	311,540	209,872	1924.
1,059,751	146,167	99,589	36,109	107,035	472,952	144,102	161,166	368,009	318,386	1925.
814,429	128,768	97,444	37,884	203,884	554,534	174,101	141,204	400,046	320,179	1926.
826,306	133,186	107,574	38,089	109,687	485,903	160,647	150,214	436,349	388,528	1927.
920,008	134,642	108,798	37,526	99,515	525,853	179,647	169,831	497,284	500,177	1928.
770,830	135,114	110,637	40,934	106,151	561,102	200,143	183,404	612,737	539,300	1929.

[1] July to December.

No. 545.—VALUE OF PRINCIPAL COMMODITIES

NOTE.—Specie values. Figures represent general imports; they are for fiscal years ended Sept. 30 entire absence of trade; in other

[All figures in thou

Year or yearly average	Hides and skins	Furs, and manufactures	Fruits and nuts	Vegetable oils expressed and fats	Coffee	Sugar [1]	Rubber, crude	Tobacco, unmanufactured	Cotton manufactures [2]	Burlaps
1821	893	224	181	----	4,490	3,554	----	----	7,391	----
1830	2,410	306	520	18	4,227	4,631	----	----	7,865	----
1840	2,756	423	1,405	263	8,540	5,581	----	----	6,504	----
1850	4,799	1,014	1,191	922	11,235	7,556	----	272	20,781	----
1860	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	----
1865	4,550	2,309	2,265	634	11,242	27,326	1,223	552	9,224	----
1870	14,402	2,236	7,417	2,153	24,235	56,924	3,460	2,534	23,380	----
1871–1875	16,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	----
1876–1880	18,237	4,630	11,486	1,230	54,011	73,678	5,908	4,000	22,118	----
1881–1885	25,179	7,286	17,880	1,997	48,257	87,906	12,732	6,188	31,739	----
1886–1890	24,373	7,161	19,554	1,898	62,504	83,614	13,791	11,176	28,858	4,552
1891–1895	25,208	9,707	21,322	3,025	98,220	105,946	17,763	12,810	29,482	5,828
1896–1900	39,075	9,224	17,661	3,716	67,830	88,795	24,506	11,355	33,694	8,021
1901–1905	56,206	15,003	23,034	7,350	69,450	77,440	34,823	16,743	47,839	14,368
1906–1910	82,519	21,469	33,692	14,002	73,496	92,286	60,687	24,905	67,851	22,730
1911–1915	102,967	19,341	43,033	26,554	108,970	118,230	82,736	31,576	63,049	30,749
1915–1920 [3]	201,517	47,620	61,755	84,462	165,265	393,906	192,149	51,012	65,816	62,545
1921–1925	93,067	79,840	75,499	59,652	205,792	295,389	192,922	64,831	86,568	60,406
1885	20,586	5,258	16,706	2,091	46,723	72,520	9,095	6,302	27,197	3,795
1886	26,699	6,814	17,318	1,924	42,673	80,774	11,888	7,830	29,709	3,077
1887	24,219	7,286	20,608	1,685	56,348	78,411	13,757	8,705	28,040	3,827
1888	23,939	6,735	20,502	1,914	00,508	74,245	16,067	10,871	28,918	4,040
1889	25,128	7,416	18,746	1,805	74,725	88,544	12,387	10,868	26,806	5,384
1890	21,882	7,554	20,746	2,160	78,267	96,095	14,855	17,605	29,918	6,434
1891	27,931	9,829	25,983	2,198	96,124	105,728	17,856	13,284	29,713	5,566
1892	26,850	10,197	20,944	3,116	128,042	104,409	19,718	10,332	28,324	7,064
1893	28,348	10,568	23,687	3,646	80,486	116,256	17,809	14,703	33,638	6,154
1894	16,786	7,620	18,755	2,641	90,315	126,872	15,078	10,985	22,440	4,557
1895	26,123	10,322	17,240	3,522	96,131	76,463	18,353	14,746	33,297	5,789
1896	30,520	9,303	19,032	3,664	84,793	89,220	16,603	16,503	32,643	6,447
1897	27,803	6,015	17,127	3,487	81,544	99,066	17,458	9,584	34,601	9,243
1898	37,069	7,881	14,567	3,358	65,068	60,473	25,386	7,489	27,420	5,671
1899	41,988	10,861	18,314	3,609	55,275	94,964	31,708	9,000	32,265	8,138
1900	57,936	12,060	19,264	4,462	52,468	100,251	31,377	13,297	41,541	10,600
1901	48,220	11,020	19,587	4,688	62,861	90,488	28,455	16,290	40,436	12,600
1902	58,007	15,624	21,481	6,626	70,982	55,061	24,899	15,212	44,956	15,532
1903	58,032	15,302	23,727	9,487	50,201	72,089	30,437	17,235	53,269	14,378
1904	52,006	14,763	24,436	7,829	69,552	71,916	40,444	16,939	50,370	14,631
1905	64,764	18,306	25,937	8,119	84,654	97,045	49,878	18,039	50,162	14,693
1906	83,882	21,856	28,916	9,688	73,256	85,460	45,114	22,448	64,399	20,084
1907	83,207	21,884	35,565	11,690	78,232	92,806	58,920	26,055	74,747	29,114
1908	54,770	15,918	36,874	12,369	67,688	80,258	36,613	22,870	68,825	23,225
1909	78,487	21,087	30,444	14,622	79,112	96,555	61,710	25,401	63,232	19,780
1910	112,248	26,598	36,661	21,639	69,194	106,349	101,079	27,751	68,053	21,448
1911	70,505	23,619	39,978	28,071	90,568	96,691	76,245	27,856	67,004	21,104
1912	102,476	24,986	42,507	25,157	117,827	115,515	93,013	31,919	65,175	24,359
1913	117,386	24,102	41,001	25,191	118,963	103,640	90,170	35,919	66,087	37,774
1914	120,290	13,836	51,020	30,650	110,725	101,436	71,220	35,029	70,723	42,421
1915	104,177	10,162	40,504	23,699	106,766	173,867	83,030	27,157	46,258	28,089
1915 (6 mos.) [4]	67,579	8,940	20,895	10,984	54,394	67,425	58,853	9,384	20,767	15,800
1916	172,603	21,060	44,749	40,081	118,813	227,319	159,745	26,856	54,609	39,089
1917	209,730	29,038	44,744	66,307	122,607	221,990	233,221	33,472	55,675	53,704
1918	108,044	34,194	48,722	111,312	99,423	241,390	146,378	54,080	40,701	80,279
1919	306,510	76,278	78,991	127,833	261,270	393,171	215,820	75,146	52,652	65,768
1920	243,878	92,399	101,551	108,026	252,451	1,015,188	242,796	81,630	137,583	89,359
1921	67,561	40,058	73,532	39,880	142,809	235,287	73,773	54,172	75,430	41,377
1922	107,039	68,110	72,499	59,042	160,854	251,905	101,843	66,000	87,070	49,266
1923	118,917	87,975	70,463	64,686	190,232	380,090	185,060	57,158	100,153	66,972
1924	75,052	87,706	72,335	59,667	248,828	363,656	174,231	75,362	90,914	59,396
1925	96,764	115,349	88,664	74,985	286,235	246,008	429,705	71,464	79,271	85,028
1926	96,811	117,418	87,660	79,060	322,746	232,534	505,818	60,570	67,159	82,238
1927	112,846	135,574	84,721	78,659	204,275	258,103	339,859	74,617	60,197	67,249
1928	150,810	118,355	89,667	77,919	309,644	207,048	244,855	55,160	69,295	80,087
1929	137,281	122,528	86,898	100,661	302,397	209,277	240,966	53,821	69,264	77,377

[1] Includes sirups and maple sugar prior to Oct. 4, 1913.

[2] Includes semimanufactures.

IMPORTED INTO THE UNITED STATES

through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent cases the item was not segregated

sands of dollars]

Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Sawmill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials	Year or yearly average
	7,239				58		233	149		1821.
97	5,901	119			170		807	108		1830.
846	10,808	234			70		1,653	229		1840.
1,690	19,621	386			432		2,418	674	92	1850.
4,843	43,142	1,236			497		1,630	1,158	526	1860.
7,734	21,929	1,194			372		1,144	591	590	1865.
6,743	34,491	3,018			1,100		656	2,043	2,192	1870.
15,150	47,763	5,237	7,542		1,822		1,495	3,136	2,383	1871–1875.
10,506	28,482	7,543	4,017		1,359		672	2,927	2,251	1876–1880.
10,603	37,946	12,545	8,076		1,838		525	4,062	4,677	1881–1885.
16,459	48,638	19,380	8,603		2,325		470	7,095	4,723	1886–1890.
18,129	34,531	21,806	9,194	1,851	3,149		896	7,687	6,240	1891–1895.
26,212	29,496	30,514	7,707	1,107	2,882		5,866	10,604	7,043	1896–1900.
24,687	17,429	44,815	12,147	3,027	3,539		22,611	21,550	14,892	1901–1905.
40,132	21,285	66,202	21,112	7,729	6,708		38,026	30,244	27,046	1906–1910.
42,664	22,777	80,079	21,884	16,254	12,952	8,077	46,129	41,493	39,681	1911–1915.
170,173	26,852	213,960	45,592	42,814	47,214	30,363	103,805	73,739	67,142	1915–1920.[3]
102,369	64,592	348,123	68,410	67,002	105,239	90,793	77,811	59,225	56,865	1921–1925.
8,880	35,777	12,422	7,677		1,593		499	4,283	3,802	1885.
16,746	41,421	17,233	7,332		1,839		598	5,874	4,511	1886.
16,424	44,903	18,687	7,858		2,028		338	6,928	4,959	1887.
15,887	47,719	19,151	8,918		2,401		408	8,759	4,340	1888.
17,975	52,565	18,544	9,610		2,542		483	7,014	4,956	1889.
15,204	56,582	23,285	9,295	1,814	2,817		521	6,899	4,847	1890.
18,231	41,060	17,995	10,077	1,903	3,031		730	7,978	5,950	1891.
19,688	35,566	24,321	9,606	1,820	3,342		1,146	8,668	6,007	1892.
21,064	38,049	29,056	10,739	2,909	3,881		944	12,359	6,157	1893.
6,107	19,439	15,628	8,289	1,665	2,628		861	2,641	5,749	1894.
25,556	38,540	22,029	7,259	958	2,864		801	6,787	7,336	1895.
32,451	53,494	26,247	8,527	1,053	3,169		1,530	6,762	7,161	1896.
53,243	49,163	18,497	9,095	801	3,122		1,626	6,536	5,785	1897.
16,784	14,824	31,447	5,068	602	2,839		3,869	8,776	6,811	1898.
8,523	13,833	31,827	6,015	672	2,392		6,817	11,843	5,949	1899.
20,261	16,164	44,550	9,829	2,405	2,890		15,490	19,104	9,509	1900.
12,530	14,585	29,354	8,636	1,580	3,055		20,582	19,806	11,526	1901.
17,712	17,384	41,714	12,015	2,059	3,170		25,063	19,462	11,741	1902.
22,153	19,546	49,003	13,922	3,388	3,483		20,891	23,619	15,087	1903.
24,814	17,734	44,462	12,027	3,603	3,868		21,682	21,486	16,812	1904.
46,226	17,894	59,543	14,137	4,501	4,117		24,835	23,378	19,294	1905.
39,068	23,081	52,856	19,367	4,585	4,793		32,563	30,933	22,761	1906.
41,534	22,321	70,230	20,959	6,349	6,750		47,725	38,117	25,998	1907.
23,665	19,388	63,666	20,257	7,313	7,312	584	31,520	25,295	24,237	1908.
45,172	18,102	78,831	20,900	8,629	7,183	556	38,076	26,007	26,616	1909.
51,221	23,532	65,425	24,079	11,768	7,491	962	40,245	30,870	35,620	1910.
23,228	18,570	72,714	20,761	13,980	8,224	2,578	39,682	37,936	41,353	1911.
33,078	14,913	67,173	19,794	14,219	7,273	4,006	45,217	46,214	38,900	1912.
35,580	16,318	82,148	23,098	16,165	12,109	9,721	59,580	53,113	41,383	1913.
53,191	34,294	97,828	22,312	17,023	18,244	13,993	54,506	39,422	46,381	1914.
68,243	29,791	80,532	23,453	19,881	18,849	10,087	31,661	30,778	30,139	1915.
43,363	7,461	53,302	16,231	8,507	9,358	5,985	27,992	21,422	15,950	1915 (6 mos.)[4]
125,524	16,471	144,757	30,497	26,986	24,611	14,398	95,335	55,836	43,859	1916.
171,557	23,343	184,283	35,694	41,979	42,031	21,243	137,787	68,372	66,731	1917.
251,773	22,809	180,210	41,960	31,477	48,214	26,232	133,525	104,589	95,995	1918.
216,765	19,486	329,339	50,314	37,048	54,452	32,414	86,271	62,762	31,894	1919.
126,972	58,116	284,891	76,057	89,418	80,510	66,724	90,019	92,582	114,850	1920.
60,482	51,218	259,054	44,492	39,396	88,330	77,715	45,785	22,319	30,688	1921.
86,546	59,414	365,787	63,844	63,292	85,334	88,485	66,829	46,302	45,123	1922.
129,711	69,118	391,908	82,622	74,744	115,659	78,713	95,988	63,261	63,913	1923.
93,151	69,310	327,582	72,942	75,743	117,673	101,357	96,184	69,024	66,531	1924.
141,957	73,900	396,286	78,150	81,834	119,201	107,694	84,270	95,219	78,072	1925.
106,721	70,667	392,760	74,579	91,231	130,499	124,556	99,742	104,980	69,239	1926.
82,933	78,775	390,365	64,004	85,842	149,365	113,434	84,963	100,944	58,842	1927.
79,861	78,391	367,997	54,885	83,464	156,407	132,842	98,187	87,052	78,118	1928.
87,344	78,500	427,126	54,160	88,573	163,365	143,557	153,708	91,905	72,340	1929.

[3] Average for period July 1, 1915, to Dec. 31, 1920.

[4] July to December.

No. 546.—EXPORTS OF UNITED STATES MERCHANDISE AND GENERAL IMPORTS BY GROUPS AND SUBGROUPS

[In millions and tenths of *millions* of dollars. See headnote, Table 548, as to item omitted in 1920.]

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910–1914 [1]	1921–1925 [1]	1927	1928	1929	1910–1914 [1]	1921–1925 [1]	1927	1928	1929
Grand total	2,130.4	4,310.2	4,758.9	5,030.1	5,157.1	1,688.9	3,450.1	4,184.7	4,091.4	4,399.4
Group 00.—Animals and animal products, edible	167.8	342.3	226.2	228.4	244.2	42.1	89.6	134.9	139.1	143.8
A. Animals, edible	7.8	6.7	2.6	2.2	1.7	7.6	5.9	21.1	22.5	22.2
B. Meat products	67.3	139.8	71.0	67.7	78.8	7.7	19.3	34.9	35.6	40.9
C. Animal oils and fats, edible	76.7	138.5	108.4	112.5	117.7				.2	.2
D. Dairy products	3.3	30.1	17.4	18.5	17.9	10.8	28.1	37.0	34.2	30.4
E. Fish	9.7	18.0	18.3	20.8	23.5	15.5	29.3	35.4	38.5	39.8
F. Other edible animal products	2.9	9.3	8.4	6.7	4.7	.5	7.9	6.5	8.0	10.2
Group 0.—Animals and animal products, inedible	90.0	109.6	131.1	138.8	117.9	174.9	233.6	346.5	377.9	391.9
A. Hides and skins, raw, except furs	3.2	7.6	11.5	11.1	6.8	104.6	93.1	112.8	150.8	137.3
B. Leather	39.1	44.3	54.0	55.2	42.9	8.5	15.3	37.4	43.2	44.6
C. Leather manufactures	19.0	21.8	18.4	17.5	17.7	9.6	12.8	21.7	25.7	41.6
D. Furs and manufactures	14.7	22.5	30.9	39.5	35.7	22.6	79.8	135.6	118.4	122.5
E. Animal oils and greases, inedible	7.4	8.1	8.5	7.0	6.4	2.6	5.1	10.0	10.9	12.0
F. Other inedible animals and animal products	6.6	5.4	7.9	8.5	8.3	27.0	27.6	29.0	29.0	33.9
Group 1.—Vegetable food products and beverages	253.6	675.9	658.2	582.1	509.6	355.3	738.2	819.4	815.5	818.4
A. Grains and preparations	147.3	474.3	443.8	315.7	286.4	18.0	32.6	23.9	26.5	20.0
B. Fodders and feeds	29.4	26.7	32.9	30.9	32.7	2.7	8.0	11.2	15.7	17.5
C. Vegetables and preparations	6.3	19.1	21.9	22.7	25.3	14.4	26.2	38.4	39.9	47.8
D. Fruits and nuts	28.7	82.9	121.7	129.3	137.5	42.3	75.5	84.7	89.7	86.9
E. Vegetable oils and fats, edible	19.4	11.9	7.3	6.8	4.0	7.4	13.3	17.6	15.0	16.4
F. Cocoa, coffee, and tea	7.7	7.3	6.9	4.1	3.5	135.0	263.1	350.8	386.1	379.5
G. Spices	.1	.2	.2	.3	.3	7.3	13.9	20.1	20.6	18.6
H. Sugar and related products	10.7	51.5	21.6	20.1	17.5	106.4	303.5	270.9	220.3	229.7
I. Beverages	4.0	2.0	1.9	2.2	2.4	21.9	2.2	1.8	1.8	1.9
Group 2.—Vegetable products, inedible, except fibers and wood	100.6	276.3	290.9	302.7	303.1	210.7	442.0	836.9	519.0	554.0
A. Rubber and manufactures	12.4	39.0	70.7	69.5	77.0	97.7	197.8	340.0	253.0	247.4
B. Naval stores, gums, resins, and balsams	23.4	22.4	34.3	26.4	31.0	11.9	30.9	32.5	32.2	35.6
C. Drugs, herbs, leaves and roots, crude	1.9	3.2	3.6	3.3	3.7	4.2	6.5	9.0	10.9	10.6
D. Oilseeds	.5	.2	.1	.1	.2	15.1	51.2	64.6	60.7	79.3
E. Vegetable oils, inedible	1.3	4.2	6.6	6.2	7.0	22.5	51.6	67.5	69.7	91.8
F. Dyeing and tanning materials	.8	2.3	2.2	2.7	2.3	6.2	8.1	10.1	9.2	8.1
G. Seeds, except oilseeds	2.6	3.8	3.6	2.7	3.3	8.2	11.5	9.5	9.1	9.0
H. Nursery and greenhouse stock	.4	.4	.4	.8	.9	3.0	7.2	7.4	7.8	7.6
I. Tobacco and manufactures	50.3	187.2	156.2	179.2	165.6	37.4	73.2	83.0	63.1	60.6
J. Miscellaneous vegetable products	6.8	13.6	13.1	11.8	12.0	4.5	3.8	4.3	3.4	3.9
Group 3.—Textiles	618.1	997.2	1,021.4	1,124.5	979.2	367.8	693.6	954.5	920.1	1,005.2
A. Cotton, unmanufactured	551.9	805.0	826.3	920.0	770.8	20.7	46.3	45.7	42.8	53.3
B. Cotton semimanufactures	4.7	15.4	24.0	24.2	23.9	6.1	8.4	5.4	6.3	5.8
C. Cotton manufactures	40.5	117.7	109.2	110.4	111.2	61.3	78.2	60.8	63.0	63.5
D. Jute and manufactures	1.0	2.8	3.4	3.7	5.1	40.6	76.6	90.1	101.3	96.0
E. Flax, hemp, and ramie manufactures		.4	.4	.5	.7	36.4	48.9	55.3	50.9	51.1
F. Other vegetable fibers and manufactures	9.6	9.5	4.9	6.3	6.7	29.5	34.7	41.2	37.0	42.4
H. Miscellaneous fiber manufactures						2.8	2.9	4.7	4.6	4.5
I. Wool, unmanufactured	[2]	.2	.1	.2	.1	39.3	102.4	82.9	79.9	87.3
J. Wool semimanufactures	.5	.9	1.2	1.6	.9		20.5	14.6	16.1	13.6
K. Wool manufactures	2.9	6.7	4.0	4.9	5.4	21.5	44.0	64.2	62.3	64.9
L. Hair and manufactures	1.4	1.7	2.8	2.7	2.7	5.4	8.9	6.1	4.8	5.5
M. Silk, unmanufactured						79.5	356.3	399.1	373.3	432.3
N. Silk manufactures	1.9	13.0	15.3	18.6	20.4	29.9	40.9	42.2	41.4	39.0
O. Rayon manufactures		7.0	7.4	6.4	7.2	2.7	8.8	18.7	15.8	18.7
P. Miscellaneous textile products	1.7	17.1	22.3	24.8	23.5	12.1	15.4	23.2	20.7	27.8

[1] Yearly average.

[2] Less than $50,000.

No. 546.—Exports of United States Merchandise and General Imports by Groups and Subgroups—Continued

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910–1914[1]	1921–1925[1]	1927	1928	1929	1910–1914[1]	1921–1925[1]	1927	1928	1929
Group 4.—Wood and paper	109.7	153.3	192.2	200.9	210.9	79.9	296.6	385.6	358.8	377.3
A. Wood, unmanufactured	5.1	8.1	12.5	15.8	15.3	9.6	15.0	18.0	14.6	17.7
B. Wood semimanufactures—sawmill products	66.0	85.1	107.6	108.8	110.6	22.1	68.4	64.0	54.9	54.2
C. Wood manufactures	25.7	30.8	38.1	37.5	40.9	4.2	9.1	10.6	10.6	10.8
D. Cork and manufactures	.3	.9	1.6	1.7	1.8	5.8	4.7	9.9	9.9	13.1
E. Paper base stocks	1.9	3.7	5.4	6.1	5.1	27.5	94.2	113.6	112.3	118.1
F. Paper and manufactures	10.7	24.6	26.9	30.9	37.2	10.7	105.2	149.4	156.4	163.4
Group 5.—Nonmetallic mineral products	203.3	582.4	654.5	687.3	739.7	89.3	230.1	263.8	285.2	306.1
A. Coal and related products	55.7	131.1	109.7	99.5	106.2	4.7	12.3	5.0	6.5	7.1
B. Petroleum and products	127.7	405.1	485.9	525.9	561.2	6.3	90.8	113.4	132.8	143.6
C. Stone, sand, cement, lime, and plaster	6.4	5.5	5.7	5.9	6.8	2.5	5.3	8.2	7.3	6.9
D. Glass and glass products	3.5	10.1	8.9	10.1	10.9	6.5	17.0	17.0	15.2	14.0
E. Clay and clay products	4.1	7.2	8.4	9.6	12.7	12.6	19.0	25.7	23.6	24.4
F. Precious stones and pearls, and imitations	-------	.1	.1	.1	(2)	42.6	66.5	68.7	74.6	79.7
G. All other	5.9	23.3	36.8	36.2	41.8	14.1	19.2	24.8	25.1	30.5
Group 6.—Metals and manufactures, except machinery and vehicles	283.3	415.5	460.2	500.2	535.9	153.3	243.3	328.4	315.7	396.0
A. Iron ore	2.8	3.0	3.4	4.8	4.8	6.7	7.0	6.1	5.4	8.1
B. Iron and steel semimanufactures	37.0	73.2	86.7	96.0	104.1	13.7	11.7	10.0	10.7	11.0
C. Steel mill products—manufactures	54.3	93.6	73.8	83.6	96.0	1.6	7.7	18.8	17.5	18.2
D Iron and steel, advanced manufactures	45.0	68.6	73.3	82.6	87.0	8.6	8.3	7.2	8.8	9.0
E. Ferro-alloys	.3	.5	1.1	.9	1.0	3.1	13.3	16.4	13.9	23.5
F. Nonferrous metals, except precious	141.1	173.5	216.1	227.4	238.8	111.9	178.1	247.4	240.1	307.6
G. Precious metals, jewelry, and plated ware[3]	2.8	3.1	5.7	4.9	4.1	7.6	17.2	22.5	19.2	18.5
Group 7.—Machinery and vehicles	200.5	531.4	857.0	1,035.5	1,200.8	12.5	17.8	27.5	29.8	42.2
A. Electrical machinery and apparatus	20.9	69.5	86.2	90.8	121.4	-------	1.8	3.0	2.8	2.7
B. Industrial machinery	78.6	166.5	200.1	224.8	277.8	}				
C. Office appliances	15.0	23.5	44.1	48.5	53.8	} -------	11.4	16.5	18.7	24.8
D. Printing machinery	3.3	9.6	15.2	16.6	19.1	}				
E. Agricultural machinery and implements	40.5	51.9	90.7	116.7	140.8	-------	2.6	5.4	4.8	9.5
F. Automobiles and other vehicles	42.2	210.4	420.7	538.3	588.0	2.6	2.0	2.6	3.4	5.2
Group 8.—Chemicals and related products	46.6	107.6	132.3	137.3	152.2	87.7	112.1	129.9	143.2	144.1
A. Coal-tar products	.1	9.9	17.1	14.1	18.1	14.3	16.1	24.0	23.9	22.8
B. Medicinal and pharmaceutical preparations	6.8	16.1	20.1	20.5	21.3	1.8	4.9	5.4	5.2	6.4
C. Industrial chemical specialities	1.8	4.8	9.3	14.6	14.5	} 25.5	23.2	28.5	24.2	30.7
D. Industrial chemicals	12.7	25.2	26.0	25.5	28.1	}				
E. Pigments, paints and varnishes	6.8	14.6	21.3	25.6	29.1	2.1	3.1	3.8	3.8	3.8
F. Fertilizers and fertilizer materials	10.7	17.5	17.7	16.1	20.4	40.7	56.9	58.8	78.1	72.3
G. Explosives, etc.	1.7	3.9	3.5	5.2	4.5	.7	.9	1.1	1.0	1.0
H. Soap and toilet preparations	5.9	15.5	17.2	15.7	16.1	2.5	7.1	8.2	7.1	7.0
Group 9.—Miscellaneous	58.0	118.8	134.9	142.4	163.6	95.4	153.1	178.4	187.2	220.5
A. Photographic goods	8.0	17.8	19.8	21.5	31.6	2.7	6.4	5.8	6.0	7.2
B. Scientific and professional instruments, apparatus and supplies	4.6	9.9	11.1	11.1	12.4	1.0	2.1	3.2	3.4	4.1
C. Musical instruments	6.1	10.9	17.7	18.1	18.9	1.7	3.8	4.8	4.3	4.5
D. Miscellaneous office supplies	2.0	7.1	8.6	10.0	10.3	-------	-------	-------	-------	-------
E. Toys, athletic and sporting goods	1.4	3.6	4.4	4.9	5.6	8.1	8.1	6.9	6.4	7.4
F. Firearms and ammunition	6.8	5.1	6.0	5.5	6.2	-------	.3	.5	.6	.8
G. Books, maps, pictures and other printed matter	9.2	19.9	24.2	24.2	27.1	9.2	9.4	13.2	14.4	15.7
H Clocks and watches	3.2	3.2	3.6	3.6	3.6	3.3	11.8	15.6	13.2	16.9
I. Art works	1.0	.9	1.4	1.5	2.9	35.0	31.2	60.4	65.8	82.1
J. Misc. articles, n. e. s.	16.7	40.9	38.1	41.9	44.9	34.2	80.0	68.0	72.0	81.9

[1] Yearly average. [2] Less than $50,000. [3] Except gold and silver in ore, bullion, and coin.

No. 547.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years except for 1910–1914 which are for years ended June 30. Figures for 1910–1914 and 1921–1925 are annual averages. A greater number of items are shown separately beginning about 1912 and 1922 and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
Total exports of domestic merchandise							2,130,429	4,310,221	4,711,721	4,758,864	5,030,099	5,167,083
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							167,818	342,348	284,854	226,248	228,425	244,248
A. Animals, edible							7,848	6,898	2,359	2,648	2,163	1,851
Cattle—												
Bulls for breeding—number	57,625	97,292	1,469	997	1,663	2,196	7,212	4,985	181	174	242	298
Cows for breeding—do			6,874	6,322	4,504	1,376			585	615	413	229
Other cattle—do			14,259	11,360	5,130	3,937			545	415	296	146
Hogs (swine)—do	11,491	33,472	28,566	42,270	54,174	27,017	113	1,188	603	693	822	465
Sheep—do	132,601	36,407	12,311	22,926	4,164	15,491	523	275	176	381	85	212
Poultry, live—1,000 lbs		[1] 629	565	647	566	449		[1] 312	269	370	325	301
B. Meat products—do	519,083	838,927	513,501	388,771	398,326	445,527	67,298	139,833	106,837	71,011	67,722	78,756
Beef and veal—												
Fresh—do	29,452	4,725	2,479	1,738	2,052	2,918	3,100	779	432	344	442	662
Pickled or cured—do	32,873	23,339	19,653	14,868	9,364	10,825	2,779	2,342	2,298	1,626	1,174	1,321
Pork—												
Carcasses, fresh or frozen—do	2,024	38,075	2,705	1,576	1,936	3,134	251	5,959	495	231	251	455
Loins and other fresh pork—do			12,860	6,659	9,476	10,405			2,701	1,274	1,523	1,714
Wiltshire sides—do			6,188	653	931	5,039			1,316	124	140	718
Hams and shoulders, cured—do	166,813	296,758	183,718	122,613	124,149	125,797	21,788	53,709	43,601	25,320	23,306	26,462
Bacon—do			147,505	105,649	117,687	138,423			28,050	16,684	16,682	20,851
Cumberland sides—do	182,474	345,934	14,180	8,805	5,512	5,858	23,205	52,083	3,119	1,633	896	1,124
Pickled pork—do	48,275	33,785	29,047	29,271	33,402	44,787	5,062	4,301	4,785	4,175	4,733	6,403
Mutton and lamb—do	3,539	2,835	1,171	937	1,024	835	380	512	267	218	233	211
Sausage, not canned—do	5,856	7,686	4,288	4,351	3,388	3,724	794	2,106	1,219	1,272	988	1,124
Canned meats—do		[1] 15,911	*15,599*	16,601	14,694	17,251	2,907	5,551	5,257	5,913	5,325	5,961
Beef—do	9,392	2,807	2,645	2,752	1,900	2,606	1,111	710	986	912	677	945
Pork—do	4,227	2,898	6,462	7,274	8,153	10,240	537	927	2,330	3,000	3,128	3,695
Sausage—do	[2] 1,282	2,950	3,755	3,844	2,038	2,139	[2] 174	846	1,126	1,149	682	706
Other canned meat—do		[1] 7,538	2,737	2,730	2,603	2,266	1,189	3,069	815	853	838	615
Poultry and game, fresh—do		[1] 5,152	3,406	4,629	3,090	2,473	899	1,445	1,117	1,365	920	842
Other meats (including edible offal)—do		[1] 46,320	38,581	37,266	38,562	41,422	1,536	4,435	4,075	4,005	4,320	4,611
Sausage casings—												
Hog casings—do	33,645	29,927	32,120	9,502	12,536	12,905	4,597	6,610	8,104	3,838	3,571	3,490
Beef casings—do				21,499	17,967	16,820				2,594	2,622	2,366
Other casings—do				2,154	2,554	2,911				395	687	441

C. Animal oils and fats, edible	do	725,032	1,053,575	856,117	814,436	865,493	936,480	78,674	138,462	128,386	108,388	112,513	117,714
Oleo oil	do	[3] 116,225	105,534	96,902	78,781	62,779	68,209	[3] 12,484	12,770	11,785	9,599	8,281	7,501
Oleo stock	do		[1] 12,970	12,159	11,913	6,779	8,099		[1] 1,484	1,431	1,378	862	860
Tallow	do	29,009	26,356	10,628	6,610	3,211	3,840	1,803	2,126	958	563	287	327
Lard and substitutes—													
Lard	do	474,355	860,840	698,961	681,303	759,722	829,328	52,098	115,602	108,600	92,035	98,701	105,530
Neutral lard	do	[4] 43,572	22,959	18,116	20,397	23,750	18,539	[4] 4,797	3,351	3,048	3,003	3,225	2,447
Lard compounds, containing animal fats	1,000 lbs	67,319	18,683	10,581	8,988	4,713	3,632	6,109	2,316	1,485	1,084	613	457
Oleo and lard stearin	do	[5]	[1] 8,353	7,318	5,648	3,883	3,931	[5]	[1] 926	874	597	436	440
Oleomargarine of animal or vegetable fats	1,000 lbs	3,268	2,144	1,452	796	656	902	341	367	204	129	108	152
D. Dairy products								3,338	30,100	19,021	17,422	18,494	17,915
Milk and cream—													
Fresh and sterilized	1,000 gals		[1] 112	59	65	125	180	351	166	52	48	73	104
Condensed (sweetened)	1,000 lbs		62,962	38,711	34,981	38,763	41,242		9,559	6,020	5,517	6,191	6,459
Evaporated (unsweetened)	do	15,774	142,143	75,838	68,047	76,789	68,943	1,277	13,687	7,832	7,182	7,905	6,844
Dried	do		5,450	2,661	3,326	4,016	5,342		862	774	940	1,035	1,367
Butter	do	4,278	7,680	5,483	4,343	3,898	3,724	1,013	3,149	2,529	2,010	1,861	1,750
Cheese	do	4,916	7,720	3,903	3,410	2,600	2,645	697	1,936	1,115	1,028	799	735
Infants' foods, malted milk, etc	do		[1] 2,258	2,570	2,592	2,185	2,126		742	698	696	632	656
E. Fish								9,710	17,961	19,904	18,341	20,785	23,501
Fresh—													
Salmon	1,000 lbs		[1] 4,319	3,002	3,079	3,454	3,582	[6] 1,811	466	488	472	555	546
Other	do	[7] 5,447	11,987	3,766	5,000	4,469	5,232	[7] 277	770	382	440	404	558
Shellfish, not canned	do		[1] 4,365	3,656	7,483	8,261	9,365	386	844	839	1,053	1,194	1,406
Fish, salted, smoked, or dry-cured—													
Salmon	do		[1] 1,326	2,122	2,356	4,367	3,790	(8)	[1] 275	455	510	976	938
Cod	do		[1] 5,587	3,954	3,820	3,165	2,937		[1] 613	424	374	362	367
Herring	do	6,944	3,955	2,351	2,342	1,889	2,170	138	235	155	137	119	139
Haddock, hake, and pollock	do		[1] 3,769	2,704	2,189	1,951	1,247		[1] 279	197	158	151	101
Other	do	7,101	5,631	1,616	2,204	1,646	1,698	370	492	181	182	129	197
Fish, pickled—													
Salmon	barrels of 200 lbs		22,791	16,781	14,737	9,565	4,545		1,124	803	787	503	251
Other	do	21,070	12,442	8,093	7,612	4,664	4,260	147	167	136	93	72	57
Fish, canned—													
Salmon	1,000 lbs	57,785	58,815	53,511	38,248	40,953	40,967	5,615	8,671	8,578	6,029	7,662	7,406
Sardines	do		[1] 41,924	71,285	79,440	80,253	123,920		[1] 3,570	6,126	6,818	6,523	9,419
Shellfish	do		[1] 4,588	3,443	3,803	4,731	4,857	657	659	691	826	1,011	1,007
Other canned fish	do			1,993	2,015	9,362	9,397	214	596	308	311	939	899
Other fish products	do			1,494	1,918	3,399	2,386	150	149	139	151	186	210
F. Other edible animal products								2,945	9,293	8,347	8,438	6,747	4,712
Eggs, in the shell	1,000 doz	13,170	30,337	26,634	28,707	20,192	12,075	2,914	8,661	7,682	7,738	6,135	4,081
Eggs and yolks, frozen, dried, canned	1,000 lbs		[1] 460	522	661	508	326	31	91	75	111	87	62
Meat extracts and bouillon cubes	do		[1] 298	206	188	160	185		[1] 438	376	391	368	400
Gelatin	do		[1] 351	282	307	244	270		[1] 238	214	198	159	169

[1] Average for years 1922–1925. [2] Average for years 1913–14. [3] Includes neutral lard for 1910. [4] Average for years 1911–1914; included with oleo oil in 1910.
[5] Stearins and fatty acids, inedible, include oleo and lard stearin. [6] Salmon, fresh, includes all salmon except canned. [7] Average for years 1910 and 1912–1914.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							89,979	100,633	116,983	131,149	138,791	117,938
A. Hides and skins, raw, except furs—1,000 lbs.	26,097	54,765	76,639	63,992	46,419	37,745	3,101	7,562	10,833	11,476	11,063	6,797
Cattle hides—do.	[8] 15,981	38,604	51,773	37,565	24,189	22,545	[8] 2,271	4,587	6,767	5,945	5,080	3,516
Calfskins—do.	[8] 592	7,481	10,220	15,083	12,078	6,977	[8] 108	1,680	2,027	3,319	3,518	1,540
Sheep and goat skins—do.		[1] 1,982	1,675	1,977	1,939	1,864		[1] 521	512	594	616	578
Other hides and skins—do.		7,094	11,965	9,368	8,213	6,359		878	1,526	1,617	1,849	1,163
B. Leather							39,093	44,288	49,815	54,003	55,178	2,942
Upper leather (except patent)—												
Cattle, side upper—												
Grain—1,000 sq. ft.			18,265	14,071	11,428	11,180			4,620	3,837	3,718	3,105
Black—do.			5,113	2,305	1,775	1,687			1,244	610	584	460
Other—do.		15,258	13,152	11,766	9,653	9,493		3,638	3,376	3,226	3,134	2,645
Finished splits—do.			4,563	4,684	4,595	3,921			645	794	834	610
Wax and rough splits—1,000 lbs.		3,490	2,855	3,488	3,402	3,465		887	840	1,579	1,813	1,636
Calf and kip—1,000 sq. ft.	[9] 8,628	21,140	31,726	32,790	28,502	20,245	[9] 2,062	7,150	10,200	10,719	10,946	7,363
Black—do.			5,525	5,627	5,930	4,253			1,812	1,893	2,300	1,610
Other—do.			26,201	27,163	22,572	15,992			8,388	8,826	8,646	5,753
Sheep and lamb—do.		[1] 7,074	8,190	8,413	8,262	8,218		[1] 857	1,155	1,012	1,075	1,087
Goat and kid upper leather (glazed kid)—1,000 sq. ft.	[9] 97,885	39,319	48,546	52,645	48,444	41,828	16,789	10,968	13,486	15,086	14,888	12,641
Black—do.			22,331	22,595	20,522	17,581			5,826	6,032	5,984	5,289
Other—do.			26,215	30,050	27,922	24,247			7,660	9,053	8,904	7,352
Horse and colt—do.		[1] 767	879	488	651	330		[1] 224	248	140	207	93
Other upper leather—do.			3,003	2,243	2,374	1,799	6,961	1,330	794	646	764	523
Patent upper leather—												
Patent side upper leather—do.			25,147	30,830	29,183	22,710			7,883	10,520	10,644	6,856
Goat and kid—do.			3,235	2,512	2,661	1,935			1,442	1,161	1,259	876
Horse and colt—do.		33,393	1,405	1,087	853	697	1,331	11,418	537	406	377	269
Other—do.			827	1,353	919	834			276	469	347	246
Sole leather—1,000 lbs.	37,632	17,839	13,458	9,817	10,185	9,950	8,568	4,704	3,846	3,145	3,692	2,736
Bends, backs, sides—do.		[10] 7,551	5,558	4,792	3,695	2,669		[10] 2,595	2,115	1,934	1,875	1,170
Other (including offal)—do.		[10] 11,136	6,885	4,389	5,642	6,311		[10] 1,916	1,405	982	1,462	1,220
Cut stock—do.		[10] 1,052	1,015	636	849	970		[10] 394	327	228	356	246

Glove leather—												
Sheep and lamb	1,000 sq. ft.		[1] 1,335	1,182	1,262	1,135	938	[2] 338	285	196	190	186	163
Other glove leather	do		[1] 4,982	5,239	5,138	5,920	5,024		[1] 723	816	867	1,101	968
Other leather—													
Harness, collar, and saddle	1,000 lbs.		[1] 159	172	138	84	85		[1] 78	86	68	51	42
Upholstery and automobile	1,000 sq. ft.		[1] 1,976	2,851	3,215	2,396	2,303	[9] 95	346	484	593	529	482
Fancy leather	do		[1] 874	892	565	766	675		[1] 179	233	143	198	189
Case, bag, and strap	do		[10] 537	292	448	551	650		[1] 153	82	121	175	203
Other leather and tanned skins	1,000 lbs.			10,437	9,093	8,872	8,628	3,583	1,787	1,945	2,502	2,375	2,864
C. Leather manufactures								18,996	21,754	18,528	18,381	17,503	17,734
Leather footwear—													
Boots and shoes	1,000 pairs	9,043	6,921	5,707	5,513	4,319	4,281	15,788	16,992	12,853	12,490	10,858	11,049
Men's and boys'	do	[2] 4,857	3,106	2,590	2,477	1,870	1,863	[2] 10,687	9,840	7,295	7,043	5,797	5,581
Women's	do	[2] 3,336	2,188	2,014	1,897	1,783	1,732	[2] 5,803	5,063	4,379	4,277	4,310	4,704
Children's	do	[2] 1,911	1,627	1,103	1,139	666	686	[2] 1,542	2,088	1,179	1,170	750	764
Slippers	do	[2] 324	153	232	282	362	471	[2] 357	185	260	296	392	499
Athletic shoes, sandals, overgaiters, leggings, puttees, and other footwear	1,000 pairs		[1] 118	108	74	63	55		[1] 152	166	114	94	100
Leather gloves	doz. prs.		25,559	13,025	13,835	17,823	23,455		155	141	133	165	203
Harness and saddles								792	588	573	286	284	233
Traveling bags and suitcases	number		[1, 11] 98,886	127,582	50,733	41,477	30,456	[11] 382	[11] 329	314	185	170	166
Pocketbooks, handbags, cigarette, key, pass, and similar leather cases	1,000 pieces		[1] 548	478	503	568	517		[1] 261	318	485	583	575
Leather belting, new	1,000 lbs.		1,098	1,348	1,242	1,251	1,294		1,682	1,996	1,877	1,942	2,038
Other leather manufactures								2,034	1,492	1,906	2,516	3,018	2,871
D. Furs and manufactures								14,662	22,507	23,216	30,802	39,504	35,675
Undressed	1,000 pieces		[1] 13,768	10,931	15,084	18,002	18,492	14,180	18,755	19,192	25,519	33,137	29,113
Fox	do		[1] 140	92	156	115	109		[1] 666	1,098	1,989	2,401	2,800
Muskrat	do		[1] 3,667	1,629	1,730	3,772	5,088		[1] 2,638	2,026	3,892	5,474	5,446
Raccoon	do		[1] 162	49	38	103	57		[1] 569	302	263	622	370
Skunk and civet cat	do		[1] 3,240	2,927	2,793	2,922	1,986		[1] 7,322	6,238	5,765	6,696	4,705
Opossum	do		[1] 2,946	3,328	5,242	6,023	5,413		[1] 2,832	4,499	6,564	7,636	6,782
Other undressed furs	do		[1] 3,612	2,906	5,125	5,067	5,839		[1] 5,884	5,030	8,046	10,344	9,010
Dressed on the skin—													
Fox	do			27	38	31	20			544	662	697	648
Muskrat	do			40	32	33	35			55	48	61	97
Skunk and civet cat	do		[1] 3,279	42	32	27	29	[8] 804	3,177	101	78	66	81
Opossum	do			70	125	73	148			100	184	110	215
Other dressed furs	do			1,240	1,667	2,160	1,871			2,017	2,828	31528	2,879
Fur wearing apparel (except fur felt hats)	number			2,421	2,776	5,200	7,425		[1] 182	111	153	184	298
Fur waste, including pieces	1,000 lbs.		[10] 761	888	1,739	1,023	1,560		[10] 306	819	1,269	1,438	1,807
Other fur manufactures									[1] 240	277	150	283	537
E. Animal oils and greases, inedible	1,000 lbs.		[1] 82,986	79,610	92,905	75,796	70,189	7,402	8,079	7,844	8,452	7,036	6,447
Animal oils, except oleo oil—													
Neat's-foot oil	do		[1] 1,387	1,083	1,506	1,223	1,335		[1] 226	198	236	216	228
Other	do	8,721	2,717	660	946	741	852	797	300	80	102	102	96

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[8] Average for years 1912–1914.
[9] Average for years 1911–1914.
[10] Average for years 1923–1925.
[11] Trunks are included for 1910–1914 and 1921.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
E. Animal oils and greases, inedible—Continued.												
Fish oils, 1,000 lbs.	7,681	864	809	692	882	1,120	276	140	119	80	105	95
Stearins and fatty acids, except oleo and lard stearin—												
Grease stearin, 1,000 lbs.	[2, 3] 3,234	[3] 13,159	2,429	3,406	1,452	1,729	[2, 3] 278	[3] 1,314	270	337	114	174
Oleic acid, or red oil, do.			852	2,174	6,254	3,862			86	191	547	368
Stearic acid, do.			1,012	2,353	2,261	1,357			139	240	267	188
Other animal greases, and fats, do.		[1] 69,886	72,765	81,829	62,984	59,934	[12] 6,219	6,143	6,954	7,266	5,713	5,310
F. Other inedible animals and animal products												
Animals							6,635	5,443	6,748	7,944	8,507	8,341
Horses—												
For breeding, number	28,073	13,105	570	1,060	822	231	5,118	3,327	3,188	4,027	4,339	4,137
Other, do.			14,675	8,947	17,433	7,358	4,008	1,358	190	248	363	300
Mules, asses, burros, do.	5,125	15,215	18,833	19,722	18,903	15,295			925	833	1,027	422
Other live animals							768	1,550	1,702	2,352	2,227	1,813
Bones, hoofs, and horns, unmanufactured, 1,000 lbs.		[1] 5,131	1,996	1,806	2,870	1,704	342	410	372	594	722	1,302
Feathers, crude, not dressed, do.		[1] 4,300	5,000	6,285	6,816	10,083	151	210	79	72	112	94
Feathers, dressed, and manufactures of							453	355	422	578	725	1,066
Glue of animal origin, 1,000 lbs.	2,551	2,390	2,463	2,352	2,547	2,888		[1] 248	102	162	199	216
Oyster shells, tons of 2,240 lbs.						42,749	271	384	381	384	426	506
Sponges, 1,000 lbs.	209	121	106	100	115	124						444
Wax manufactures, do.		[1] 1,562	2,891	1,783	1,242	567	186	139	165	168	147	152
Other animal products, inedible							84	368	482	393	250	126
							372	463	1,869	2,161	2,309	1,630
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							253,583	676,899	653,214	658,159	532,063	509,647
A. Grains and preparations							147,268	474,262	355,687	443,767	315,695	286,367
Barley—												
Grain, 1,000 bus. of 48 lbs.	7,896	21,274	13,586	37,973	51,677	29,523	5,073	18,598	10,371	35,432	44,837	24,155
Malt, 1,000 bus. of 34 lbs.	211	5,072	3,316	2,869	3,260	3,381	178	5,773	3,440	3,048	3,608	3,334
Buckwheat, 1,000 bus. of 48 lbs.	32	216	101	467	161	191	21	254	122	404	169	213
Corn—												
Grain, 1,000 bus. of 56 lbs.	39,810	73,180	23,064	13,428	25,799	33,745	25,231	55,349	19,840	11,432	26,369	34,059
Meal and flour, 1,000 bbls. of 196 lbs.	400	568	516	387	273	267	1,351	2,535	2,500	1,872	1,348	1,330
Hominy and corn grits, 1,000 lbs.		[1] 87,440	30,141	23,143	11,542	14,394		[1] 1,570	554	472	291	305
Corn breakfast foods ready to eat, do.		[1] 5,860	10,367	8,038	6,729	6,157		[1] 403	739	598	521	525
Oats—												
Grain, 1,000 bus. of 32 lbs.	8,304	13,972	11,574	10,053	10,421	6,609	3,345	7,313	5,758	5,269	5,217	3,389
Oat meal, flaked and rolled oats, 1,000 lbs.	24,320	121,738	140,900	66,562	84,074	81,246	805	4,630	6,006	4,020	4,293	4,220

Rice—												
Grain ..... do	18,489	316,330	77,081	239,596	288,702	315,441	637	11,876	3,536	9,742	10,878	12,129
Flour, meal, and broken rice ..... do			40,410	70,403	90,257	70,594			1,348	2,058	2,357	1,981
Rye—												
Grain ..... 1,000 bus. of 56 lbs	855	34,453	11,941	35,941	14,499	3,434	598	38,938	12,282	39,677	17,378	3,613
Flour ..... barrels of 196 lbs	5,579	112,447	15,667	38,460	31,650	14,764	22	536	97	236	189	85
Wheat—												
Grain ..... 1,000 bus. of 60 lbs	56,913	159,222	138,275	168,307	96,290	90,130	55,063	228,342	201,739	239,504	119,888	111,501
Flour ..... 1,000 bbls. of 196 lbs	10,679	15,049	11,850	12,823	11,852	13,663	51,127	93,522	83,133	85,332	73,855	80,791
Bread, biscuits, cakes, and crackers ..... 1,000 lbs	13,048	11,327	13,935	11,489	10,675	10,618	749	1,658	2,211	2,051	1,966	2,031
Plain, not sweetened or flavored ..... do			8,275	6,617	6,754	6,743			1,123	987	1,093	1,115
Sweetened or flavored ..... do			5,660	4,872	3,921	3,875			1,089	1,064	873	916
Macaroni, spaghetti, and noodles ..... do		[1] 7,674	8,273	8,468	9,979	10,740		[1] 622	711	714	900	925
Wheat breakfast foods, ready to eat ..... do		[1] 6,118	3,612	4,303	2,062	1,962		[1] 478	371	339	199	182
Wheat breakfast foods, to be cooked ..... do					1,323	1,242					130	141
Cereal foods, n. e. s ..... do	[1, 13] 9,577	2,247	2,891	2,835	4,639	[13] 2,230	[13] 1,530	307	347	335	[9] 496	
Other grains and preparations of ..... do			9,404	43,542	14,638	12,374	833	950	621	1,160	967	952
B. Fodders and feeds							29,447	26,736	28,214	32,917	30,894	32,747
Hay ..... tons	56,166	36,576	13,828	13,538	14,471	11,073	987	747	309	285	303	267
Oil cake and oil-cake meal ..... 1,000 lbs	1,668,021	1,165,577	1,449,758	1,569,969	1,186,934	1,278,525	23,645	24,695	26,458	30,186	27,198	28,415
Cottonseed cake ..... do	[14] 933,288	403,867	541,231	623,371	409,622	324,641	[14] 12,557	8,387	8,854	11,498	9,107	6,967
Linseed cake ..... do	[14] 661,819	553,808	577,236	646,356	547,476	711,684	[14] 10,044	12,149	12,109	13,480	13,086	16,604
Other oil cake ..... do	[14] 72,914	22,370	14,748	23,017	39,229	58,981	[14] 1,044	347	218	346	754	973
Cottonseed meal ..... do		156,065	300,887	257,728	171,396	149,352		3,196	4,951	4,465	3,806	3,128
Linseed meal ..... do	(14)	20,607	13,490	16,941	14,132	22,808	(14)	451	285	352	330	514
Other oil-cake meal ..... do		[1] 11,075	2,165	2,555	5,080	11,059		[1] 206	39	45	115	229
Kafir and milo ..... 1,000 bus. of 56 lbs					1,369	2,695					1,194	2,338
Mixed dairy feeds ..... tons of 2,240 lbs						2,071						82
Mixed poultry feeds ..... do						4,836						255
Prepared and mixed feeds ..... do	99,664	14,644	25,738	46,318	26,987	14,231	2,781	578	1,015	1,657	1,000	595
Other feeds, including screenings ..... do		23,416	12,335	35,055	43,454	26,275	2,034	717	433	789	1,200	795
C. Vegetables and preparations							6,349	19,088	20,851	21,914	22,664	25,329
Beans, dried ..... 1,000 bus. of 60 lbs	342	815	586	520	344	291	951	3,005	2,080	1,697	1,177	1,162
Peas, dried ..... do		95	126	162	223	114		418	536	650	899	484
Vegetables, fresh—												
Potatoes, white ..... do	1,689	3,056	2,033	2,379	2,698	2,735	1,364	3,823	3,497	3,596	2,254	3,223
Onions ..... 1,000 bus. of 57 lbs	352	675	616	476	561	580	315	1,082	833	716	822	787
Other fresh vegetables ..... 1,000 lbs		[1] 90,212	116,583	141,356	156,109	199,045	1,733	3,212	4,073	4,550	5,087	6,340
Vegetables, canned ..... do		[1] 49,378	71,347	80,846	91,083	93,813	1,401	4,902	8,749	7,487	8,691	9,454
Asparagus ..... do		[1] 8,923	12,200	15,364	17,718	22,846		[1] 1,582	1,870	2,200	2,705	3,547
Baked beans, and pork and beans ..... do		[1] 7,172	16,377	14,427	14,017	7,665		[1] 616	1,256	1,224	1,197	667
Corn ..... do		[1] 4,598	4,313	5,017	7,990	8,366		336	354	362	582	629
Peas ..... do		[1] 4,120	4,349	6,109	6,487	8,385		[1] 386	389	524	574	740
Soups ..... do		[1] 13,878	22,342	23,695	28,279	28,751		1,460	2,075	2,164	2,603	2,723
Tomatoes ..... do		[1] 7,683	7,266	6,331	5,527	4,074		477	473	382	359	340
Other canned vegetables ..... do		[1] 3,005	4,411	9,950	10,965	13,126		583	334	572	670	808

[1] Average for years 1922–1925.
[9] Stearins and fatty acids, inedible, includes oleo lard and stearin.
[13] "Cereal preparations other than oat meal and rolled oats" prior to 1922.
[2] Average for years 1913–14.
[12] "Other animal greases" include lubricating greases for 1910–1914.
[14] Oil cake and oil-cake meal are shown under oilcake; not reported separately.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued.

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							100,566	276,289	282,539	290,880	302,743	303,061
A. Rubber and manufactures												
Rubber, reclaimed, 1,000 lbs.	5,002	4,747	12,076	19,130	22,453	27,666	12,444	39,003	60,733	70,891	69,545	78,954
Rubber, scrap and old, do.	6,801	16,486	29,843	31,332	45,327	56,349	792	486	1,425	1,751	1,641	1,938
Rubberized automobile cloth, 1,000 sq. yds.							712	768	1,947	1,946	2,302	2,516
Other rubberized piece goods and hospital sheeting, 1,000 sq. yds.			1,331	2,331	1,774	1,971 1,659			682	1,098	862	1,011 741
Rubber footwear—												
Boots, 1,000 pairs.	2,879	487	1,013	874	1,263	1,511	1,652	1,166	2,372	2,074	2,817	3,148
Shoes, do.		1,491	1,486	1,911	2,525	3,398		1,369	1,452	1,709	2,758	3,736
Canvas shoes with rubber soles, do.		[1] 3,832	5,469	4,789	5,313	7,463		[1] 2,883	3,969	3,289	3,675	5,005
Rubber soles, 1,000 doz. prs.												425
Rubber heels, do.					1,470	150 1,475		754	1,303	1,526	1,911	1,048
Rubber water bottles and fountain syringes, 1,000 pieces.			287	339	360	463			207	222	226	303
Rubber gloves, doz. pairs.			69,617	76,264	94,364	122,138		978	244	243	273	318
Other druggists' rubber sundries									487	447	430	407
Rubber balloons, 1,000 gross.				562	625	815		[16] 1,135		759	751	880
Rubber toys and balls									846	176	208	195
Bathing caps, 1,000 dozens.		[16] 164	151	158	162	182		[16] 296	334	340	375	389
Rubber bands, 1,000 lbs.			685	891	913	483			550	639	602	256
Rubber erasers, do.						577						368
Hard rubber goods—												
Electrical hard rubber goods, 1,000 lbs.		[1] 752	839	1,247	1,626	1,978		[1] 256	279	314	328	261
Other hard rubber goods								[1] 500	403	383	353	440
Tires—												
Casings, automobile, thousands		[1] 1,392	1,497	2,631	2,504			16,288	24,359	33,789	31,065	
Truck and bus, 6-in. and over, 1,000 lbs.						287						7,555
Other automobile, do.						2,509						25,924
Tubes, automobile, do.		[1] 1,133	1,127	1,631	1,656	1,899		1,949	3,024	3,499	3,531	3,410
Other casings and tubes, do.		[1] 104	71	61	62	200	[9] 3,626	292	219	174	126	591
Solid tires—												
For automobiles and motor trucks, number		[1] 91,972	98,122	97,001	56,255	44,759		2,213	3,458	2,887	1,803	1,301
Other, 1,000 lbs.		1,148	1,551	1,765	1,852	1,639		[1] 290	502	436	460	297
Tire sundries and repair materials								[1] 574	1,612	1,833	1,635	1,687
Rubber and friction tape, 1,000 lbs.			1,087	1,489	1,590	1,795			352	429	433	511

Rubber belting	do		[1] 3,447	4,173	5,011	4,887	5,670	2,284	1,852	2,657	2,682	2,785	3,056
Rubber hose	do		[1] 4,402	6,125	7,118	7,272	9,384		1,769	2,523	2,671	2,620	3,130
Rubber packing	do		[1] 1,628	2,149	2,415	2,629	2,593		742	1,097	1,109	1,213	1,183
Rubber thread	do		[1] 1,179	1,460	1,526	1,601	1,699		[1] 1,326	1,958	1,906	1,764	1,721
Other rubber manufactures								4,103	3,141	2,412	2,360	2,613	3,203
B. Naval stores, gums, and resins								23,363	22,379	36,865	34,335	26,433	30,997
Naval stores—													
Rosin	1,000 bbls.[18]	1,348	1,038	1,094	1,382	1,174	1,438	13,772	11,278	24,633	23,082	17,616	20,443
Gum rosin	do			956	1,238	1,022	1,241			21,904	20,927	15,563	17,706
Wood rosin	do			138	144	152	197			2,730	2,155	2,053	2,737
Gum spirits of turpentine	1,000 gals	17,989	10,636	11,587	15,810	12,510	16,304	9,302	9,988	10,630	9,505	6,678	8,530
Wood turpentine	do		[1] 508	685	681	1,042	881		[1] 408	530	395	524	435
Tar and pitch of wood	barrels [18]	[19] 60,953	[19] 23,518	13,702	27,676	21,046	25,503	[19] 289	[19] 214	220	256	216	270
Other gums and resins	1,000 lbs		[1] 2,171	3,095	3,756	4,821	4,687		[1] 679	845	1,097	1,399	1,319
C. Drugs, herbs, leaves, and roots, crude								1,935	3,174	3,578	3,587	3,273	3,690
Ginseng	1,000 lbs	190	168	180	169	184	234	1,429	2,031	2,040	2,556	2,268	2,766
Other crude vegetable drugs	do		[1] 5,837	4,922	4,864	5,462	4,449	506	1,143	937	1,030	1,005	924
D. Oilseeds	do	32,922	3,244	2,452	1,709	2,211	5,926	497	178	168	99	96	246
E. Vegetable oils	do		[1] 35,620	44,435	50,963	53,724	61,511	1,311	4,184	5,430	6,572	6,160	7,005
Expressed oil and fats, inedible—													
Coconut oil	do		14,579	15,952	20,418	24,653	29,532		1,316	1,545	1,783	2,088	2,329
Linseed oil	do	3,936	2,820	2,507	2,525	1,965	2,208	308	364	251	304	228	288
Soy-bean oil	do		1,708	1,567	5,444	7,142	7,967		164	191	607	756	768
Vegetable soap stock	do		[1] 6,307	12,399	10,264	7,529	7,033		[1] 374	681	549	492	544
Other expressed oils and fats	do			8,816	8,482	8,190	8,127	347	832	1,067	1,204	709	041
Essential or distilled oils—													
Peppermint	do	128	120	68	213	177	222	340	511	571	833	604	795
Orange	do						43						160
Pine	do						3,599						234
Other	do		[1] 1,028	3,067	3,617	4,069	2,180	316	698	1,125	1,291	1,283	1,246
F. Dyeing and tanning materials								838	2,272	1,839	2,213	2,745	2,329
Dye extracts—													
Logwood extracts (include hematine crystals)	1,000 lbs		[1] 2,072	1,862	2,724	2,099	2,025		349	204	253	209	208
Other dye extracts	do		[1] 2,000	666	1,049	940	529	345	472	138	98	99	60
Dyeing and tanning materials, crude	tons	1,208	2,692	1,341	1,529	3,453	928	34	96	60	82	119	52
Tanning extracts—													
Chestnut	1,000 lbs		[1] 8,297	6,176	5,875	10,652	5,065		[1] 268	175	176	351	134
Other (vegetable and chemical)	do		[1] 22,535	24,847	30,823	38,200	35,201	459	1,141	1,262	1,604	1,967	1,869

[1] Average for years 1922–1925.
[9] Average for years 1911–1914.
[18] Average for years 1924–25.
[15] Of 500 pounds.
[19] Tar, turpentine, and pitch prior to 1922.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.												
G. Seeds, except oilseeds, 1,000 lbs		[1] 33,008	29,625	32,536	24,794	26,891	2,625	3,822	3,990	3,646	2,700	3,301
Field and garden seeds—												
Alfalfa, do		[1] 780	742	1,393	782	826		[1] 138	157	280	147	168
Red clover, do	4,652	2,935	584	1,280	456	524	672	611	153	314	66	91
Other clover, do			1,169	793	390	427			254	191	66	75
Timothy, do	14,163	17,183	13,685	16,670	12,220	9,195	817	1,262	1,021	885	659	590
Other grass seeds, do		4,610	5,889	5,660	5,258	8,194	593	747	1,116	854	794	1,078
Other field seeds, do			4,297	2,502	2,374	3,214			605	171	162	190
Vegetable and flower seeds, do			3,260	4,238	3,314	4,511	543	1,092	684	949	905	1,109
H. Nursery and greenhouse stock												
Flowers, cut							429	439	491	434	817	913
Fruit stock, cuttings, or seedlings, thousands			2,125	1,575	3,043	3,948	59	110	158	151	179	215
All other nursery or greenhouse stock, plants, and bulbs							370	329	109	94	280	189
									224	188	358	509
I. Tobacco and manufactures												
Tobacco, unmanufactured, 1,000 lbs	392,183	502,969	487,058	511,868	583,846	565,903	50,299	187,219	157,418	156,194	179,159	165,579
Leaf tobacco, do	388,284	487,157	478,772	506,252	575,412	555,348	44,788	164,595	136,919	139,607	154,465	140,084
Bright flue-cured, do		[10] 241,259	287,334	302,425	434,898	410,837	44,086	163,883	136,675	139,411	154,133	145,765
Burley, do		[10] 6,472	6,729	17,844	6,544	5,336		[10] 98,352	102,607	109,212	128,948	116,933
Dark-fired Kentucky and Tenn., do		[10] 146,027	119,847	112,008	84,014	79,777		[10] 1,747	1,385	2,393	1,198	1,203
Dark Virginia, do		[10] 33,258	18,360	24,277	18,695	24,122		[10] 25,908	18,561	14,759	13,242	15,528
Maryland and Ohio export, do		[10] 14,935	13,592	20,036	10,947	11,577		[10] 13,831	6,149	5,177	3,847	4,434
Green River, do		[10] 16,038	14,076	12,829	8,368	10,362		[10] 2,839	2,108	2,923	2,069	2,465
One-sucker leaf, do				6,370	3,227	3,213		[10] 3,550	2,576	1,932	1,368	2,233
Black fat, water baler, dark African, do				619	1,500	6,655				809	539	716
Cigar leaf, do		[10] 912	619	531	662	4,409		[10] 470	442	459	574	999
Other leaf tobacco, do		[10] 37,608	18,185	9,313	6,556	60		[10] 9,532	2,348	1,630	2,061	25
Stems, trimmings, and scrap tobacco, do	3,899	15,811	8,285	5,617	8,434	10,555	102	712	242	257	332	319
Tobacco manufactures												
Cigarettes, millions	1,786	10,182	9,539	7,093	11,706	8,456	5,511	22,624	20,499	16,527	24,694	19,495
Chewing tobacco, plug and other, 1,000 lbs	6,554	3,538	3,651	3,728	3,832	3,886	2,823	19,631	17,898	13,837	22,059	16,706
Smoking tobacco (including cigar cuttings), 1,000 lbs	1,350	2,386	1,036	1,134	1,015	1,120	1,731	1,775	1,783	1,856	1,861	1,944
Other tobacco manufactures, do			529	217	238	198	679	931	635	728	644	734
							278	288	184	106	129	111

J. Miscellaneous vegetable products								6,825	13,593	12,027	13,110	1,815	12,046
Starch—													
Cornstarch and corn flour	1,000 lbs.	96,206	250,075	203,789	242,870	236,746	235,042	2,163	7,069	6,241	7,474	7,893	8,858
Other starch	do.		15,592	21,551	9,651	4,336	3,779		460	623	334	196	182
Broom corn	tons		4,122	4,082	4,048	4,513	4,371	393	668	537	479	634	597
Brooms	dozens		[1] 19,367	18,235	18,540	15,942	18,705	[2] 159	112	99	101	85	89
Hops	1,000 lbs.	15,548	18,286	12,833	14,119	7,985	7,677	4,112	4,830	3,355	3,525	1,804	1,384
Other inedible vegetable products								93	454	1,173	1,198	1,203	936
GROUP 3.—TEXTILES													
Total								616,096	997,187	1,009,587	1,021,357	1,124,489	979,235
A. Cotton, unmanufactured	1,000 bales	8,532	6,639	9,048	9,478	8,733	7,581	551,890	804,985	814,429	826,308	920,009	770,830
	1,000 lbs.	4,419,502	3,420,430	4,691,579	4,897,063	4,579,426	3,981,509						
Raw cotton, except linters	1,000 bales		6,528	8,916	9,199	8,546	7,418		801,370	810,365	818,318	912,849	764,760
	1,000 lbs.		3,363,726	4,620,744	4,739,823	4,471,842	3,884,766						
Long staple (1⅛ inches or over)—													
Sea-island [20]	1,000 bales	22		2	2	1	5	2,156	101	528	340	145	849
	1,000 lbs.	8,440	226	1,111	776	356	2,493						
Other [21]	1,000 bales	8,510	2,222	1,286	1,194	1,104	574	549,734	235,610	127,055	112,402	123,151	62,413
	1,000 lbs.	4,411,362	1,150,372	674,856	621,861	579,211	300,403						
Short staple (under 1⅛ inches)	1,000 bales		[1] 5,382	7,628	8,003	7,441	6,839		[1] 707,074	682,783	705,577	789,552	701,498
	1,000 lbs.		[12] 2,766,410	3,944,776	4,117,187	3,892,276	3,581,870						
Linters	1,000 bales		111	132	279	186	163		3,615	4,064	7,988	7,160	6,070
	1,000 lbs.		56,704	70,835	157,239	107,584	96,743						
B. Cotton semimanufactures	do.		88,293	103,414	140,470	109,668	108,163	4,652	15,395	19,060	23,997	24,225	23,897
Cotton-mill waste	do.	62,273	59,245	66,788	96,522	63,429	59,130	3,833	6,739	6,078	8,651	7,119	6,744
Cotton rags, except paper stock	do.	[2] 10,359	13,559	12,590	15,407	19,199	21,096	[2] 496	967	850	1,022	1,423	1,542
Cotton batting, carded cotton, and roving	1,000 lbs.					415	446					76	86
Cotton yarn—													
Carded yarn, not combed	do.	15,489	14,794	17,496	13,160	13,919	621	7,690	5,237	5,724	4,877	4,682	
Combed yarn	do.		9,242	11,045	13,465	13,572			6,395	8,600	10,725	10,843	
Mercerized	do.			8,573	11,098	12,046				7,410	9,490	10,039	
Not mercerized	do.			2,472	2,367	1,526				1,191	1,235	804	
C. Cotton manufactures								40,502	117,657	109,708	109,189	110,419	111,217
Cotton thread and cordage—													
Sewing thread	1,000 lbs.		[1] 1,400	1,299	1,237	1,031	1,054		1,660	1,280	1,128	1,023	1,150
Crochet, darning, and embroidery cotton	1,000 lbs.		[1] 186	123	136	135	83		[1] 202	160	157	160	97
Twine and cordage	do.		[1] 3,558	4,994	4,550	3,755	4,588		[1] 1,569	1,892	1,664	1,491	1,812
Cotton cloth, duck, and tire fabric	1,000 sq. yds. [22]	398,574	524,932	513,300	565,021	546,847	564,448	27,052	79,875	74,589	76,756	79,299	79,411
Tire fabric—													
Cord	do.			787	3,454	4,742	4,070			386	1,406	2,113	2,217
Other	do.			1,216	1,525	1,668	1,355			463	393	524	473

[1] Average for years 1922–1925. [2] Average for years 1913–14. [10] Average for years 1923–1925. [20] American-Egyptian (Pima) in 1929.
[21] Data for 1910–1914 are "Upland and other" and include linters; for 1929, "Other long staple, including sea island." [22] Stated in thousands of linear yards prior to Jan. 1, 1922.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
Group 3. Textiles—Continued.												
C. Cotton manufactures—Continued.												
Cotton cloth, duck, and tire fabric—Contd.												
Cotton duck												
Heavy filter, paper dryer, hose, and belting duck, 1,000 sq. yds.[22]		9,597	11,302	15,161	13,847	15,120		4,229	4,184	4,740	4,776	5,233
Unbleached (gray), do		7,451	9,166	11,927	640	689					451	422
Ounce, do				5,998	9,905	10,295		3,410	3,413	3,756	3,316	3,435
Numbered, do				5,930	5,162	6,046				1,636	1,488	1,712
Bleached, do		1,330	1,253	1,927	4,743	4,249				2,121	1,828	1,723
Colored, do		817	883	1,307	1,935	2,203		520	453	610	558	744
					1,367	1,843		300	318	374	451	632
Cotton cloth, do		515,335	499,995	544,881	526,590	543,003		75,646	69,556	70,216	71,685	71,488
Unbleached (gray), do	195,667	147,866	119,608	125,719	124,294	137,857	13,488	16,347	12,455	11,356	11,712	12,446
Drills and twills, do					13,431	12,357					1,664	1,573
Sheetings, 40 inches and under, do					73,485	82,284					6,586	7,174
Sheetings over 40 inches, do					1,628	1,561					191	171
Osnaburgs, do					20,275	22,581					2,083	2,292
All other, do					15,474	19,074					1,189	1,236
Bleached, do	33,848	87,278	98,359	87,301	96,269	89,280	2,590	12,658	12,371	9,984	11,098	10,589
Drills and twills						4,484						678
Pajama checks						10,421						1,076
Sheetings—												
40 inches wide and under, do						33,575						3,349
Over 40 inches wide, do						12,961						1,712
All other bleached, do						27,839						3,274
Colored, do	169,059	280,191	282,029	331,862	306,028	315,866	10,974	46,641	44,730	48,876	49,876	48,453
Voiles, do					46,020	56,379					7,327	8,049
Percales and prints—												
32 inches and narrower, do					33,522	29,991					3,549	3,114
Over 32 inches wide, do					11,863	11,595					1,577	1,610
Flannels and flannelettes, do					4,898	4,452					728	685
Khaki and fustians, do					4,342	4,526					876	904
Denims, do					14,518	17,230					2,857	3,152
Suitings (drills, etc.), do					27,223	30,344					4,618	4,928
Ginghams, do					13,324	14,002					1,512	1,466
Chambrays, do					12,339	16,448					1,372	1,751
All other printed fabrics—												
7½ yds. per lb. and higher, do					40,912	27,555					7,315	4,451
Heavier than 7½ yds per lb, do						20,852						3,693

All other piece-dyed fabrics—												
5 yds. per lb. and lighter—do—					58,681	24,718					9,470	3,705
Heavier than 5 yds per lb—do—						19,201						2,808
All other yarn-dyed fabrics—do—					23,309	19,807					3,715	2,963
Cotton and rayon mixtures (cotton chief value)—1,000 sq. yds—					15,077	18,766					4,158	5,174
Other cotton fabrics—												
Blankets—1,000 lbs—		[1] 1,421	1,492	1,583	1,353	1,569		894	860	926	817	885
Damasks—1,000 sq. yds—		[1] 518	306	372	780	780		[1] 178	108	97	213	245
Pile fabrics, plushes, velveteens, and corduroys—1,000 sq. yds—		[1] 421	417	590	635	494		[1] 399	430	546	513	412
Tapestries and other upholstery—do—		[1] 96	66	78	432	293		[1] 126	86	112	258	305
Cotton fabrics sold by the pound—1,000 lbs—		3,902	2,649	3,703	9,004	10,130		[1] 1,915	1,226	1,503	3,337	3,756
Cotton wearing apparel							7,852	21,284	18,508	15,770	14,339	14,768
Knit goods—												
Gloves—doz. prs—		[1] 72,034	130,772	149,753	88,300	125,563		[1] 130	270	212	158	219
Hosiery—1,000 doz. prs—		4,564	4,745	4,337	3,877	3,777		9,114	8,407	7,330	6,729	6,442
Women's—do—					2,032	1,942					3,701	3,442
Children's—do—					715	751					1,125	1,144
Men's socks—do—					1,130	1,084					1,903	1,856
Underwear—1,000 doz—		[1] 1,234	794	663	584	611	1,968	4,476	3,214	2,541	2,108	2,194
Sweaters, shawls, and other knit outerwear—1,000 pcs—			570	509	566	505		455	495	412	461	420
Other wearing apparel—												
Collars and cuffs—1,000 doz—		[1] 343	363	356	287	231		522	570	525	425	311
Overalls, breeches, pants—doz—		[1] 15,040	11,987	12,715	33,255	53,905		[1] 247	168	106	421	663
Underwear, not knit—1,000 doz—		[1] 190	201	162	120	117	5,884	[1] 1,021	922	750	581	539
Shirts—do—		[1] 216	203	210	184	236		2,918	2,340	1,988	1,769	2,073
Dresses, skirts, and waists—1,000 pcs—		[1] 303	233	209	456	610		[1] 425	223	229	511	596
Other cotton clothing								[1] 2,299	1,898	1,619	1,176	1,311
Other cotton manufactures—												
Handkerchiefs—1,000 doz—		[1] 344	259	225	238	214		[1] 242	179	143	156	145
Laces, embroideries, and lace window curtains—1,000 yds—		7,005	8,970	6,406	5,431	4,265	[2] 198	420	258	216	211	216
Woven belting for machinery—1,000 lbs—		[1] 407	549	521	478	424		[10] 197	292	321	285	242
Cotton bags—do—		[1] 3,874	6,611	6,575	9,354	5,906		[1] 1,192	1,705	1,393	2,065	1,210
Quilts, comforts, counterpanes, etc—number—		[1] 82,121	89,382	87,589	193,898	184,863		[1] 154	154	137	275	273
Bed sheets, pillow, bolster, and mattress cases—doz—		[1] 18,493	18,172	24,486	29,326	36,803		[1] 176	171	172	218	277
Towels, bath mats, wash cloths—1,000 doz—		[1] 389	452	485	784	907		[1] 890	927	899	1,097	1,327
Other cotton manufactures							5,519	7,771	6,883	7,248	4,661	4,686
D. Jute manufactures							1,048	2,769	3,581	3,426	3,745	5,137
Jute yarn, cordage, and twine—1,000 lbs—		[1] 1,028	835	1,042	1,247	931	[23] 510	[23] 196	171	196	195	154
Bags of jute—1,000 lbs—		[1] 31,062	25,011	29,099	30,161	42,864	538	2,142	2,794	2,921	3,150	4,647
Other jute manufactures—do—						4,084		[1] 539	615	309	400	336

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[10] Average for years 1923–1925.
[22] Stated in thousands of linear yards prior to Jan. 1, 1922.
[23] Date prior to 1922 are all twine of vegetable fibers other than binder twine.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie manufactures								[1] 378	481	434	519	656
F. Other vegetable fiber manufactures												
Cordage, except of cotton or jute—												
Binder twine, 1,000 lbs.	94,403	61,289	36,500	19,286	30,525	16,779	9,580	9,480	6,970	4,882	6,344	6,703
Manila cordage, do.	[24] 10,687	[24] 6,899	5,100	4,030	4,329	4,328	7,027	7,140	4,712	2,253	3,303	1,702
Sisal or henequen cordage, do.			1,135	749	4,899	1,948	[24] 967	[24] 1,206	1,107	940	767	793
Other cordage, do.			463	492	533	635			150	88	478	207
Oakum, do.	1,351	1,761	1,864	2,027	2,093	2,469	61	144	98	80	107	104
Other vegetable fiber, straw, or grass manufactures									167	181	173	199
I. Wool and mohair, unmanufactured, 1,000 lbs.	92	699	292	323	485	239	1,505	990	736	1,338	1,517	3,608
J. Wool semimanufactures							31	204	121	139	180	88
Wool rags, do.	14,987	9,293	11,093	15,124	18,271	10,786	521	934	1,024	1,175	1,649	923
Wool noils and waste, do.	[3] 24,979	8,580	10,291	14,293	17,397	10,215	[3] 867	641	807	987	1,366	755
Wool yarns, do.		[1] 774	769	796	828	540		[1] 138	158	121	195	105
K. Wool manufactures		[1] 118	33	35	45	31		[1] 229	59	67	89	63
Fabrics wholly or chiefly of wool—							2,916	6,708	3,954	3,978	4,870	5,380
Wool cloth and dress goods, 1,000 lbs.		938	335	349	345	335						
Wool cloth and dress goods, 1,000 yds.		1,401	520	531	498	448		1,869	648	695	653	601
Mohair cloth, 1,000 lbs.		[1] 97	55	46	83	75						
Mohair cloth, 1,000 yds.		[1] 184	99	111	133	120		[1] 216	163	133	181	242
Other wool fabrics, 1,000 lbs.		[1] 112	43	44	58	59		[1] 156	61	70	98	90
Carpets and rugs of wool, sq. yds.		[1] 79,338	96,116	80,557	124,600	183,975		[1] 234	282	332	667	621
Wool felts, 1,000 lbs.		[1] 408	320	259	238	350		[1] 519	483	371	305	362
Wool wearing apparel—												
Knitted bathing suits, dozen				12,036	26,036	32,492		[1] 440	725	342	723	1,095
Other knit goods, do.										397	467	399
Men's and boys' overcoats, suits, pants, 1,000 pieces			173	186	136	155	1,872	1,412	630	558	654	716
Women's and children's wool clothing, 1,000 pieces			47	49	54	55		[1] 1,012	385	373	456	464
Other wool or mohair manufactures							1,044	1,163	568	709	667	770
L. Hair and manufactures, 1,000 lbs.		[1] 16,249	15,336	20,819	23,981	22,356	1,389	1,693	2,218	2,846	2,686	2,659
Hair, unmanufactured—												
Cattle, do.		[1] 15,821	6,185	7,273	10,664	10,199	[3] 1,267	1,414	671	715	904	1,093
Other, do.			8,281	12,459	12,065	10,516			1,233	1,816	1,452	1,199
Hair manufactures, do.		[1] 428	870	1,087	1,252	1,641	[2] 284	279	314	315	330	367

N. Silk manufactures							1,891	12,992	17,788	16,299	18,648	20,389
Tram, organzine, hard twists, and spun silk	pounds	[1] 86,840	89,808	128,927	174,539	185,152		[1] 392	586	679	951	1,022
Sewing, embroidery, and crochet silk	do	[1] 81,288	74,715	97,203	78,368	69,250		[1] 623	609	703	622	515
Fabrics wholly or chiefly of silk—												
Satins and other for shoes	1,000 yds	2,568	3,201	2,289	5,855	245	3,146	3,870	2,768	3,448		484
Other broad silks	do					3,015						3,652
Velvets, plushes, and chenilles, including ribbon	pounds	[1] 68,962	40,355	27,761	17,836	31,444		[1] 223	114	93	62	105
Silk ribbons, except velvet and plush	1,000 yds	[10] 7,094	4,820	3,245	2,750	2,326		[1] 489	262	206	127	135
Silk wearing apparel—												
Underwear	number	[1] 70,323	83,226	71,389	50,850	79,107		[1] 155	169	144	105	153
Dresses, skirts, waists, and blouses	do	[1] 79,484	102,768	115,524	197,040	284,229		[1] 893	1,033	1,182	1,818	2,264
Hosiery	1,000 doz. pairs	[1] 685	960	779	899	922		[1] 6,271	8,995	8,021	9,657	9,812
Women's seamless	do				96	68					737	581
Women's full fashioned	do				657	700					8,114	8,406
Children's	do				17	11					65	36
Men's socks	do				130	143					742	789
Other silk wearing apparel								[1] 658	507	384	612	730
Other silk manufactures								1,361	1,643	1,119	1,245	1,517
O. Rayon manufactures								6,951	7,681	7,378	6,351	7,323
Yarn	1,000 lbs	[25] 148	400	401	196	223		[23] 290	521	754	291	286
Embroidery, crochet, and knitting thread	1,000 lbs				19	17					51	54
Tapestry and drapery fabrics	1,000 sq. yds				90	76					68	81
Woven and knit dress and piece goods	1,000 sq. yds				3,019	4,459					1,288	2,295
Hosiery	1,000 doz. pairs	1,126	1,252	1,172	1,091	1,079		4,794	4,709	3,952	3,613	3,201
Women's	do				616	519					2,279	1,682
Children's	do				106	115					267	247
Men's socks	do				369	445					1,067	1,272
Knit underwear	dozens		3,641	12,859	40,300	54,641			45	133	335	408
Ribbons, braids, fringes, and narrow trimmings	1,000 yds				3,633	3,233					114	107
Other rayon manufactures								2,099	2,406	2,540	591	791
P. Miscellaneous textile products							1,696	17,117	22,570	22,307	24,845	23,501
Linoleum	1,000 sq. yds	3,715	787	1,093	1,721	1,572	114	1,578	561	717	1,173	1,041
Felt base floor coverings	do		2,808	3,480	5,198	5,194			1,072	1,325	1,855	1,023
Oilcloth	do	[1] 9,002	9,261	10,599	10,764	10,586	530	2,085	2,237	2,305	2,344	2,353
Window-shade and book cloth	do	[10] 1,921	3,023	2,752	2,866	3,326		[1] 415	644	523	533	575
Waterproofed auto cloth [26]	do	[10] 2,285	2,191	2,178	2,349	971		[1] 1,190	1,247	1,097	1,287	538
Pyroxylin leather cloth	1,000 sq. yds	[10] 4,455	4,981	5,268	6,202	2,913	[2] 402	2,420	3,091	2,955	3,555	1,707
Other leather cloth	do					2,403						1,371
Waterproofed outer garments	thousands		217	358	372	533		[1] 605	513	729	777	1,063

[1] Average for years 1922–1925. [2] Average for years 1913–14. [3] Average for years 1912–1914. [10] Average for years 1923–1925.
[23] Data prior to 1922 are "cordage of all vegetable fibers." [25] 1925 only. [26] "Waterproofed auto cloth and rubberized fabrics" prior to 1926.

No. 537.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3.—TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Corsets, brassieres, and girdles...1,000 pieces		[1] 691	[6] 1,427	1,402	1,387	1,396	[2] 2,227	1,847	2,180	1,902	1,786	1,882
Pajamas, nightshirts, and gowns...dozens					13,220	17,230					152	193
Hats of straw or fiber and materials												
Hat braid of straw or other fiber...1,000 yds		[1] 15,855	6,928	9,254	9,435	7,352		983	417	387	534	644
Hats of straw, palm leaf, etc...1,000 hats		[1] 528	340	319	725	944		[1] 150	65	111	88	67
								863	352	276	445	577
Hats and caps, except straw or other fiber—												
Men's and boys' fur-felt hats...thousands		[1] 327	386	372	474	384		1,042	1,835	1,685	2,047	1,830
Women's and children's fur-felt hats...do			56	43	84	78			167	168	218	237
Wool-felt hats...do		[1] 205	110	184	453	424		[1] 374	184	224	384	410
Other hats and caps...do		[1] 1,328	1,037	1,066	1,131	1,118		[1] 1,135	977	866	854	672
Hat trimmings, artificial flowers, etc								723	467	346	455	375
Mattresses, cotton, kapok, moss, hair...number		[1] 12,472	12,550	21,236	28,295	34,282		[1] 109	110	124	173	215
Absorbent cotton, gauze, and sterilized bandages...1,000 lbs		[16] 2,934	3,199	3,165	3,275	3,688		[16] 2,118	2,284	2,149	2,238	2,476
Elastic webbing...1,000 yds					32,647	34,851					1,297	1,476
Garters and arm bands...1,000 doz. prs		[1] 482	721	606	567	477		[1] 682	923	930	835	762
Suspenders and braces...dozens		[1] 58,662	35,518	30,999	27,166	21,715		[1] 196	114	102	92	80
Other textile manufactures								[1] 2,097	3,547	3,772	2,255	2,322
GROUP 4.—WOOD AND PAPER												
Total							109,686	153,263	179,747	192,159	200,891	210,947
A. Wood unmanufactured							5,090	8,123	11,079	12,525	15,784	15,285
Logs and hewn timber—												
Hardwoods...1,000 ft. b. m		15,446	12,338	19,302	16,411	16,989		1,008	769	1,340	1,297	1,235
Ash and hickory...do						3,193						197
Walnut...do						2,176						428
Other hard woods...do						11,620						610
Softwoods—												
Southern pine...do			[13,340	4,215	2,463	10,286			553	169	101	425
Douglas fir...do			28,296	32,514	34,483	57,508			475	528	515	713
Cedar...do		109,275	138,403	186,976	261,520	176,379	3,770	3,376	3,595	4,112	5,953	3,934
Other soft woods...do			50,558	80,690	116,136	117,876			695	1,184	1,670	1,534
Railroad ties...thousands	[2] 5,270	2,702	3,761	3,550	4,163	5,046	[2] 2,591	2,978	3,508	3,500	3,574	4,334
Hardwood...do		[1] 564	194	224	296	531		[1] 799	216	229	281	470
Softwood...do		[1] 2,026	2,618	2,488	2,949	3,614		[1] 1,826	2,201	2,141	2,088	2,579
Creosoted or otherwise preserved...do			949	839	918	851			1,091	1,191	1,205	1,285

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 5.—NONMETALLIC MINERALS—Continued.												
E. Clays and clay products—Continued.												
Pottery—Continued.												
Water-closet sets—number		[1] 49,415	91,801	111,461	124,331	61,905		658	1,027	1,199	1,371	948
Other earthenware plumbing fixtures—do												851
Other earthen, stone, and crockery ware—1,000 lbs		[1] 33,298	27,931	38,456	38,190	48,102	1,453	1,063	695	862	817	1,026
Crucibles, clay and graphite—1,000 pieces		[1] 444	619	558	352	693		[1] 103	149	109	110	124
Bricks and tiles—												
Fire-clay bricks—thousands		31,272	25,620	28,500	29,576	30,604		1,358	708	874	815	848
Other refractory bricks—do		[1] 8,994	14,008	13,465	16,718	21,736	1,911	[1] 788	1,379	1,338	1,455	1,923
Refractory shapes—1,000 lbs		[1] 23,940	27,723	40,340	58,487	84,479		[1] 557	699	812	1,274	1,563
Building bricks and hollow tile—thousands		11,226	6,529	5,781	11,266	30,078		290	177	161	264	553
Wall and floor tiles—1,000 sq. ft		[1] 6,061	5,764	6,491	947	1,636	[2] 850	475	376	391	298	530
High-temperature cements—do						4,848						160
F. Precious stones, including pearls								[1] 72	64	87	72	47
G. Other nonmetallic minerals							5,873	23,317	30,324	35,784	36,238	41,814
Abrasives							1,749	4,980	7,022	7,254	8,527	8,923
Wheels of emery and corundum—1,000 lbs		[1] 1,665	780	693	737	831	[3] 733	699	249	240	254	286
Grindstones—do		[1] 10,734	12,719	11,154	10,633	7,577	[2] 148	419	630	578	391	391
Other natural abrasives, hones, whetstones, etc.—1,000 lbs			7,473	8,169	9,627	9,664			323	419	453	423
Artificial abrasives, crude or in grains—do			10,213	13,416	18,376	16,147			778	800	1,024	1,166
Wheels of artificial abrasives—do			4,750	5,346	6,287	6,479	1,397	3,861	1,868	1,820	2,210	2,342
Abrasive paper and cloth—1,000 reams				217	282	293			2,475	2,769	3,273	3,460
Other artificial abrasives—1,000 lbs			7,046	6,844	8,085	5,793			699	627	751	855
Asbestos—												
Unmanufactured—tons of 2,240 lbs	514	706	986	276	759	633	17	73	86	49	347	108
Paper, millboard, and roll board—1,000 lbs		[2] 2,548	1,792	1,576	1,626	1,700		[1] 139	153	117	132	152
Pipe covering and cement—do		[1] 4,622	4,266	4,852	4,923	6,890		[1] 304	257	275	286	409
Textiles, yarn, and packing—do		[1] 1,068	1,450	1,407	1,653	1,979		[1] 689	814	781	924	1,032
Brake lining—1,000 lin. ft					7,750	7,427		[24] 863	1,040	379	1,422	1,521
Other mfrs., except roofing—1,000 lbs		[1] 2,831	2,721	2,566	2,895	4,892	516	1,039	335	317	434	535
Asphalt and bitumen, natural—												
Unmanufactured—tons of 2,240 lbs	36,046	46,564	34,123	35,603	23,449	41,930	812	1,219	906	1,034	684	1,133
Manufactures, except roofing—1,000 lbs		[1] 63,930	52,175	59,137	39,044	62,421	364	957	977	1,249	771	1,280
Carbons and electrodes—												
Electrodes for electric furnaces—do		[26] 12,203	13,711	13,740	15,690	15,854		[25] 1,214	1,641	1,858	2,195	2,148
Other carbon products—do		[1] 25,647	30,577	32,998	8,158	8,167		1,766	1,361	1,299	698	940
Chalk manufactures—do		[1] 1,288	1,661	1,763	1,560	1,451	76	205	224	240	204	204
Gypsum—												
Crude, crushed, or ground—tons of 2,240 lbs					2,112	3,777					24	31

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 4.—WOOD AND PAPER—Continued.												
B. Wood, semimanufactures, etc.—Continued												
Boards, planks, and scantling—Continued.												
Hardwoods—Continued												
Walnut ..... 1,000 ft. b. m.		[1] 7,702	8,522	10,218	13,019	13,781		[1] 1,090	1,104	1,279	1,663	1,781
Mahogany ..... do		[16] 17,422	17,955	17,043	16,010	16,153		[16] 2,512	2,697	2,555	2,380	2,339
Wagon-oak planks ..... do			1,400	7,565	6,853	9,701			94	501	425	584
Small dimension stock ..... do			1,950	1,640	5,391	5,407			201	185	550	622
Other hardwoods ..... do		38,241	19,440	24,357	25,315	23,700		3,313	1,115	1,360	1,375	1,315
Other sawed lumber ..... do		[1] 7,253	4,620	4,456	4,854	4,665	4,363	850	340	216	252	228
Lath ..... thousands		[1] 31,300	49,348	29,240	21,384	51,088		[1] 188	239	140	92	234
Shingles ..... do	59,640	30,570	53,927	87,948	114,166	91,555	149	163	218	322	420	367
C. Wood manufactures							25,668	30,846	37,884	38,089	37,525	40,934
Cooperage							8,569	8,666	10,202	11,225	9,048	9,677
Staves ..... thousands	69,246	59,746	67,567	81,425	80,462	84,322	5,853	3,879	4,136	4,816	4,676	4,723
Tight staves ..... do		[1] 23,898	28,156	32,032	33,388	38,505		[1] 3,206	3,554	4,033	3,997	4,145
Slack staves ..... do		[1] 42,112	39,411	49,394	47,074	46,817		[1] 742	583	783	679	578
Heading ..... 1,000 sets		[1] 3,335	3,444	4,827	3,726	3,529	322	421	625	1,041	717	762
Tight heading ..... do			1,190	1,969	1,377	1,284			454	765	631	582
Slack heading ..... do			2,254	2,858	2,349	2,245			171	277	186	180
Cooperage shooks—												
Tight ..... do		[1] 1,688	1,240	1,221	779	1,049	1,957	3,493	4,034	3,565	2,563	3,236
Slack ..... do			892	1,365	441	480			561	825	279	289
Tight empty barrels, casks, hogsheads ..... thousands		[1] 360	353	399	357	302	[7] 546	873	846	978	814	667
Box shooks—												
Southern pine ..... 1,000 bd. ft.			10,743	14,063	15,373	12,533			509	718	702	577
Hemlock ..... do			72,377	49,144	67,611	64,881			2,085	1,405	1,992	1,903
Spruce ..... do		[1] 86,832	2,691	5,716	4,322	1,597	1,188	3,179	85	209	125	66
Gum ..... do					5,261	6,613					300	359
Other ..... do			34,820	28,186	14,933	13,056			1,687	1,239	661	585
Veneers ..... 1,000 sq. ft.			72,173	65,901	83,774	98,881			1,869	1,626	2,248	2,765
Veneer fruit and vegetable packages		[1] 55,347						[1] 1,669			92	154
Plywood ..... 1,000 sq. ft.			19,141	17,206	27,676	33,382			753	779	1,285	1,642
Hardwood flooring ..... 1,000 ft. b. m.		[10] 6,384	7,132	11,287	15,300	16,139		[10] 483	484	710	988	1,150
Doors ..... thousands		[16] 1,022	1,825	2,122	1,675	2,140	1,086	1,643	3,351	3,730	2,961	3,987
Sash and blinds ..... do			53	81	128	110			126	153	211	182
Trimmings and moldings n. e. s. ..... 1,000 lin. ft.		[16] 4,644	6,048	6,997	10,513	11,088	808	256	225	235	345	287
Other millwork and house fixtures												280
Cane and reed manufactures, n. e. s.								[1] 429	352	287	235	208

Furniture of wood—												
Chairs—thousands		[1] 186	194	196	173	171		721	689	694	724	795
Office furniture									274	296	279	320
Store fixtures							6,367	2,371	354	167	179	274
School and church furniture									162	268	241	212
Other wood, willow, and wicker furniture									1,591	1,758	2,297	3,068
Boat oars and paddles—number		[1] 92,794	78,689	75,916	93,547	82,469		202	176	189	215	182
Wagon and other vehicle stock											246	148
Plow and similar bent handles—1,000 doz					27	16					68	44
Hoe, fork, shovel, broom, and other long handles—1,000 doz			300	909	902	919		2,009	454	973	889	936
Handles for striking tools—do			1,353	970	800	1,020			1,796	1,283	1,202	1,376
Pencil slats—1,000 lbs				14,368	13,704	12,773				1,933	1,838	1,403
Woodenware							616	268	273	466	593	522
Other wood manufactures							7,034	9,563	10,326	7,747	7,505	7,832
D. Cork manufactures							284	903	1,547	1,613	1,747	1,817
Disks, washers, and wafers—1,000 gross		[10] 3,271	5,906	5,182	3,839	7,017		[1] 142	206	209	155	275
Crown bottle caps—do		[16] 3,918	3,792	3,812	3,649	3,237		[16] 814	801	804	745	675
Stoppers—1,000 lbs		[1] 296	194	370	730	578		[1] 108	84	142	227	205
Other cork manufactures—do		[1] 2,216	16,630	2,933	4,615	3,956		[1] 302	456	458	620	662
E. Paper base stocks							1,928	3,704	4,964	5,412	6,104	5,078
Pulpwoods—cords		[1] 14,330	12,662	59,059	27,518	52,682		[1] 122	114	485	221	464
Wood pulp—												
Sulphite wood pulp—tons of 2,240 lbs			20,875	24,252	22,272	39,154			1,346	1,266	1,308	2,116
Soda wood pulp—do	11,144	26,097	1,601	2,027	2,441	1,961	483	1,744	133	177	194	160
Other wood pulp—do			8,078	2,298	5,183	7,160			606	91	276	453
Rags and other paper stock—1,000 lbs	56,103	105,109	195,020	217,798	230,626	108,416	1,445	1,863	2,765	3,394	4,103	1,885
F. Paper and manufactures							10,682	24,609	26,830	26,946	30,933	37,188
Printing paper—												
Newsprint paper—1,000 lbs	118,795	39,352	38,516	24,657	22,780	37,391	3,611	1,987	1,849	1,191	866	1,346
Book paper, not coated—do		26,383	18,085	16,045	24,511	37,817		3,148	1,722	1,371	1,700	2,651
Cover paper—do		[1] 1,209	1,560	1,651	2,038	2,054		[1] 207	269	283	341	356
Grease proof and waterproof paper—do		[1] 1,605	2,419	2,613	3,107	2,908		193	354	381	490	526
Overissue newspapers—do						154,078						1,668
Wrapping paper—do		27,928	33,015	32,312	36,757	43,883	[2] 556	2,170	2,234	2,256	2,587	2,957
Surface-coated paper—do		[1] 3,725	5,903	5,973	11,157	17,318		[1] 560	745	768	1,137	1,577
Tissue and crêpe paper—do		[1] 7,966	4,400	4,801	4,995	1,798		1,281	1,080	1,092	1,066	1,061
Toilet paper—do			5,272	5,528	6,448	7,035			648	669	685	788
Paper towels and napkins—do		[1] 1,274	2,030	2,360	3,018	3,618		200	295	332	400	435
Box board—do		[25] 22,482	52,469	43,634	48,670	53,459		[25] 796	1,502	1,351	1,354	1,424
Bristols and bristol board—do		[1] 1,340	1,527	1,845	1,979	2,908		[1] 144	173	180	221	286
Other paper board and strawboard—do		[1] 52,223	40,313	38,555	42,124	47,317		2,291	2,030	2,073	2,150	2,097
Sheathing and building paper—do		[1] 7,479	11,906	12,802	14,854	22,496		[1] 334	506	503	551	757
Fiber insulating lath or board—1,000 sq. ft						30,019						1,014
Wall board of paper or pulp—do		[1] 14,907	25,476	45,909	61,601	68,404	[2] 63	544	879	1,506	2,069	2,233
Blotting paper—1,000 lbs		[16] 2,186	3,175	3,667	3,921	3,606		[16] 326	403	411	446	429

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[7] Average for years 1910 and 1912–1914.
[10] Average for years 1923–1925.
[16] Average for years 1924–25.
[25] 1925 only.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 4.—WOOD AND PAPER—Continued												
F. Paper and manufactures—Continued.												
Filing folders, index cards, and other office forms—1,000 lbs.		[16] 550	808	1,036	1,502	1,634		[16] 190	237	322	516	599
Papeteries (fancy writing paper)—do		[1] 5,926	705	706	752	855	1,238	1,719	213	186	196	208
Other writing paper—do			10,406	13,228	25,834	27,991			1,662	1,918	2,833	2,956
Paper hangings (wall paper)—1,000 yds.		[1] 21,421	22,142	29,390	33,951	27,434	401	555	572	603	642	582
Paper bags—1,000 lbs.		[1] 10,930	11,534	11,247	9,155	12,060	[2] 420	975	1,024	971	801	1,010
Boxes and cartons—do		[1] 12,746	19,866	23,659	28,449	28,120	[2] 606	1,126	1,435	1,628	1,901	1,892
Envelopes—do		[1] 2,588	2,683	2,509	2,453	2,421		[1] 502	484	423	406	429
Vulcanized fiber sheets, strips, rods, and tubes—1,000 lbs.		[1] 5,382	5,354	4,285	5,524	6,117	590	1,525	1,590	1,264	1,455	1,488
Manufactures of vulcanized and indurated fiber—1,000 lbs.			481	524	468	383			165	149	136	103
Cash register and adding machine paper—do		[1] 1,242	2,000	2,104	3,419	5,507		141	205	213	359	522
Other paper and paper products							4,221	4,994	4,555	4,902	5,507	5,794
GROUP 5.—NONMETALLIC MINERALS												
Total							203,312	582,352	811,552	654,488	687,261	739,698
A. Coal and related fuels—1,000 tons of 2,240 lbs.	18,138	20,508	35,972	19,771	18,391	19,708	55,723	131,112	203,384	109,687	99,516	106,151
Coal—												
Anthracite—do	3,533	3,502	3,598	2,969	2,979	3,041	18,183	38,476	41,086	32,928	32,657	32,569
Bituminous—do	13,750	16,350	31,493	16,082	14,433	15,562	34,455	86,482	155,819	71,329	59,404	65,742
Fuel or bunker coal for vessels in foreign trade (not included in exports)—1,000 tons of 2,240 lbs.	*7,019*	*4,908*	*6,907*	*4,076*	*3,834*	*3,827*	*22,673*	*31,588*	*38,025*	*22,077*	*20,258*	*19,575*
Coke—do	853	655	881	720	980	1,105	3,085	6,154	6,980	5,431	7,395	7,840
B. Petroleum and products							127,736	405,052	554,534	485,903	525,853	561,192
Petroleum, crude—1,000 bbls. of 42 gals.	4,306	13,330	15,406	15,843	18,961	20,394	6,382	22,487	28,496	25,944	26,786	37,800
Refined oils—do	38,964	76,454	108,398	115,399	126,159	126,377	112,956	363,586	497,212	429,663	465,214	493,383
Gasoline, naphtha, and other finished light products—1,000 bbls. of 42 gals.	3,508	21,100	42,480	43,334	51,752	60,007	16,735	152,051	263,200	209,839	232,298	266,904
Illuminating oil—do	25,131	20,446	22,016	19,352	21,847	19,820	64,098	85,381	100,353	79,303	93,466	83,790
Gas and fuel oil—do	5,769	26,555	34,516	42,963	41,573	35,715	6,853	41,207	45,354	49,802	45,812	37,200
Fuel or bunker oil for vessels in foreign trade (not included in exports)—1,000 bbls. of 42 gals.		*36,501*	*46,662*	*50,051*	*51,226*	*52,278*		*55,842*	*71,045*	*72,967*	*59,426*	*54,710*
Lubricating oil—do	4,556	8,332	9,256	9,606	10,317	10,653	25,270	84,439	86,415	88,843	91,576	102,899
Red and pale—do		[10] 4,994	5,475	5,984	6,945	6,912		[10] 42,240	43,192	49,368	54,463	61,566
Black—do		[10] 1,075	609	672	1,029	866		[10] 6,214	3,511	3,486	5,124	4,955
Cylinder—do		[10] 2,892	3,172	2,950	2,843	2,875		[10] 35,831	39,712	35,989	31,989	36,378

Mineral spirits (substitute for turpentine)—1,000 bbls. of 42 gals.		[10] 24	42	63	56	60		[10] 337	396	550	509	554
Insulating or transformer oils—do			78	68	101	103			1,086	836	1,040	1,332
Light lubricating oils in small packages—1,000 bbls. of 42 gals.		[10] 14	9	13	13	19		[10] 510	409	490	514	696
Lubricating greases—1,000 lbs.		[1] 81,673	96,083	100,483	108,112	116,692	[12]	4,395	5,213	5,299	5,588	6,111
Paraffin wax—do	228,423	311,435	335,594	340,423	392,652	319,276	7,917	13,826	18,934	15,034	16,864	14,074
Unrefined—do		77,789	70,948	76,249	83,097	80,222		2,938	3,658	2,748	3,012	2,905
Refined—do		233,646	264,636	264,174	309,555	239,054		10,891	15,277	12,287	13,852	11,169
Petroleum asphalt—tons of 2,240 lbs.		[25] 79,477	130,883	343,778	439,609	428,039		[25] 1,762	3,184	8,325	9,789	8,543
Petroleum coke—do			85,814	93,253	128,688	115,320			887	1,053	1,384	1,134
Residuum—1,000 bbls. of 42 gals.	[3] 1,677	131	160	217	63	35	[3] 1,202		403	608	584	226	147
C. Stone, sand, cement, and lime							6,363		5,537	5,562	5,740	5,914	6,819
Marble in blocks, rough or dressed—cu. ft.		[1] 59,498	66,293	65,380	64,326	98,478		[1] 238	252	237	254	305
Roofing slate—squares		[1] 8,363	5,621	6,798	12,236	10,376	[2] 235	82	53	80	119	121
Other building or monumental stone—1,000 cu. ft.		[1] 918	328	384	653	825	599	388	435	852	473	683
Other manufactures of stone							1,125	1,047	1,024	1,006	1,246	1,488
Sand and gravel—1,000 tons of 2,240 lbs.		[1] 368	379	376	658	434	191	455	610	558	638	810
Cement, hydraulic—1,000 bbls. [27]	2,900	1,042	974	817	825	885	4,186	3,209	2,996	2,797	2,939	3,083
Lime—do. [28]	225	110	130	155	182	173	168	186	192	211	245	239
D. Glass and glass products							3,494	10,053	9,171	8,882	10,108	10,981
Plate and window glass—												
Window glass, common—box, 50 sq. ft.		41,496	30,976	21,164	18,601	15,533	210	243	184	118	102	92
Plate glass unsilvered—1,000 sq. ft.	118	2,098	855	1,081	2,280	2,043	38	852	243	347	681	745
Other window and plate glass—1,000 lbs.		[1] 2,481	3,026	4,415	3,905	4,778		[1] 274	272	434	439	513
Glass containers (bottles, vials, and jars)							[2] 760	3,245	3,104	3,077	3,515	3,570
Table glassware, plain								[1] 1,808	1,662	1,440	1,382	1,523
Table and other glassware, cut or engraved								182	172	143	135	135
Lamp chimneys and lantern globes—1,000 lbs.		[1] 1,803	2,034	1,911	1,601	1,581		[1] 345	386	388	327	320
Globes and shades for lighting fixtures—do		[1] 1,558	1,778	1,669	1,814	2,080		[1] 451	598	611	645	750
Chemical glassware—do		[1] 247	227	213	231	290		190	206	194	201	249
Electrical glassware, except for lighting—do		[1] 2,506	4,881	2,240	4,727	4,873		[1] 217	486	237	424	406
Other glassware							2,942	2,863	1,868	1,893	2,257	2,628
E. Clays and clay products							4,123	7,224	8,012	8,405	9,560	12,742
Clays—												
Fire clay—tons of 2,240 lbs.		32,831	42,622	42,947	53,695	68,358	36	263	348	392	494	589
Other clays—do		37,136	37,640	45,784	54,385	68,562	250	346	644	726	896	1,117
Pottery—												
China and porcelain ware—												
Table, toilet, or kitchen ware—1,000 lbs.		[1] 565	476	504	680	637		[1] 168	140	161	197	194
Electrical porcelain—												
For less than 6,600 volts—do		[1] 7,889	5,273	4,514	4,605	6,392		[1] 1,646	755	604	669	923
For 6,600 volts and over—do			4,614	3,432	4,302	5,457			787	598	706	895
Other china and porcelain ware—do		[1] 393	584	674	727	656	133	162	128	178	193	198

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[10] Average for years 1923–1925.
[12] "Other animal greases" includes lubricating greases for 1910–1914.
[16] Average for years 1924–25.
[25] 1925 only.
[27] Of 376 pounds.
[28] Of 200 pounds.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 5.—NONMETALLIC MINERALS—Continued.												
E. Clays and clay products—Continued.												
Pottery—Continued.												
Water-closet sets—number		[1] 49,415	91,801	111,461	124,331	61,905		658	1,027	1,199	1,371	948
Other earthenware plumbing fixtures—do												851
Other earthen, stone, and crockery ware—1,000 lbs		[1] 33,298	27,931	38,456	38,190	48,102	1,453	1,063	695	862	817	1,026
Crucibles, clay and graphite—1,000 pieces		[1] 444	619	558	352	693		[1] 103	149	109	110	124
Bricks and tiles—												
Fire-clay bricks—thousands		31,272	25,620	28,500	29,576	30,604		1,358	708	874	815	848
Other refractory bricks—do		[1] 8,994	14,008	13,465	16,718	21,736	1,911	[1] 788	1,379	1,338	1,455	1,923
Refractory shapes—1,000 lbs		[1] 23,940	27,723	40,340	58,487	84,479		[1] 557	699	812	1,274	1,563
Building bricks and hollow tile—thousands		11,226	6,529	5,781	11,266	30,078		290	177	161	264	553
Wall and floor tiles—1,000 sq. ft		[1] 6,061	5,764	6,491	947	1,636	[2] 850	475	376	391	298	530
High-temperature cements—do						4,848						160
F. Precious stones, including pearls								[1] 72	64	87	72	47
G. Other nonmetallic minerals							5,873	23,317	30,324	35,784	36,238	41,814
Abrasives							1,749	4,980	7,022	7,254	8,527	8,923
Wheels of emery and corundum—1,000 lbs		[1] 1,665	780	693	737	831	[3] 733	699	249	240	254	286
Grindstones—do		[1] 10,734	12,719	11,154	10,633	7,577	[2] 148	419	630	578	391	391
Other natural abrasives, hones, whetstones, etc.—1,000 lbs			7,473	8,169	9,627	9,664			323	419	453	423
Artificial abrasives, crude or in grains—do			10,213	13,416	18,376	16,147			778	800	1,024	1,166
Wheels of artificial abrasives—do			4,750	5,346	6,287	6,479	1,397	3,861	1,868	1,820	2,210	2,342
Abrasive paper and cloth—1,000 reams				217	282	293			2,475	2,769	3,273	3,460
Other artificial abrasives—1,000 lbs			7,046	6,844	8,085	5,793			699	627	751	855
Asbestos—												
Unmanufactured—tons of 2,240 lbs	514	706	986	276	759	633	17	73	86	49	347	108
Paper, millboard, and roll board—1,000 lbs		[2] 2,548	1,792	1,576	1,626	1,700		[1] 139	153	117	132	152
Pipe covering and cement—do		[1] 4,622	4,266	4,852	4,923	6,890		[1] 304	257	275	286	409
Textiles, yarn, and packing—do		[1] 1,068	1,450	1,407	1,653	1,979		[1] 689	814	781	924	1,032
Brake lining—1,000 lin. ft					7,750	7,427		[24] 863	1,040	379	1,422	1,521
Other mfrs., except roofing—1,000 lbs		[1] 2,831	2,721	2,566	2,895	4,892	516	1,039	335	317	434	535
Asphalt and bitumen, natural—												
Unmanufactured—tons of 2,240 lbs	36,046	46,564	34,123	35,603	23,449	41,930	812	1,219	906	1,034	684	1,133
Manufactures, except roofing—1,000 lbs		[1] 63,930	52,175	59,137	39,044	62,421	364	957	977	1,249	771	1,280
Carbons and electrodes—												
Electrodes for electric furnaces—do		[26] 12,203	13,711	13,740	15,690	15,854		[25] 1,214	1,641	1,858	2,195	2,148
Other carbon products—do		[1] 25,647	30,577	32,998	8,158	8,167		1,766	1,361	1,299	698	940
Chalk manufactures—do		[1] 1,288	1,661	1,763	1,560	1,451	76	205	224	240	204	204
Gypsum—												
Crude, crushed, or ground—tons of 2,240 lbs					2,112	3,777					24	31

Plaster board and wall board—1,000 sq. ft.				9,531	15,217	18,420				244	403	443
Plaster, calcined, and manufactures, n.e.s.[29] —1,000 lbs.			58,320	36,359	32,845	49,157	313	472	798	471	393	481
Mica and manufactures—do.		[1] 1,720	2,326	2,808	3,662	6,187	45	167	231	207	229	329
Sulphur—												
Sulphur or brimstone—tons of 2,240 lbs.	57,603	471,093	576,966	789,274	685,051	855,183	1,070	7,504	10,918	16,254	14,345	17,629
Refined, sublimed, and flowers—1,000 lbs.		[1] 5,114	12,002	31,419	44,537	39,565		[1] 120	236	544	707	649
Magnesia and manufactures—do.		[1] 4,402	6,579	5,532	5,857	6,259		[1] 280	323	309	355	392
Salt—do.	114,804	268,042	317,816	307,664	200,792	218,443	397	1,313	1,278	1,330	1,186	1,009
Graphite and manufactures, except crucibles —1,000 lbs.		[1] 3,726	4,284	3,639	4,406	3,227	463	491	512	436	455	370
Other nonmetallic mineral products							51	1,491	1,211	1,136	1,518	2,096
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							283,274	415,488	459,184	460,217	500,173	535,889
A. Iron ore—1,000 tons of 2,240 lbs.	868	677	869	899	1,282	1,304	2,805	2,994	3,381	3,425	4,798	4,775
B. Iron and steel semimanufactures							37,027	73,209	92,694	86,717	98,025	104,142
Pig iron, not containing alloys —tons of 2,240 lbs.	181,516	32,929	25,208	50,992	84,682	46,357	2,698	823	524	1,028	1,376	830
Iron and steel scrap (including tin-plate scrap)—tons of 2,240 lbs.	67,519	69,735	104,838	239,209	516,148	557,044	910	1,104	1,794	3,765	6,615	7,748
Steel ingots, blooms, billets, slabs, and sheet bars—tons of 2,240 lbs.	150,026	8,463	7,091	7,053	30,101	42,578	3,365	429	373	392	1,233	1,500
Iron and steel bars and rods—												
Iron bars—1,000 lbs.			11,583	8,674	13,959	11,360			445	345	492	333
Steel bars—do.	368,528	352,528	308,606	248,922	354,983	411,925	6,170	11,065	8,935	6,938	9,114	10,170
Alloy steel bars—do.			11,077	13,775	31,535	35,266			923	916	1,487	1,660
Wire rods—do.	99,432	62,816	44,008	36,124	86,515	94,640	1,307	1,445	1,086	883	1,734	2,012
Iron and steel plates, sheets, skelp, and strips—												
Boiler plate—1,000 lbs.			20,239	34,808	20,225	31,461			9,297	445	686	433	643
Other plates, not fabricated—do.		332,532	289,463	277,952	362,219	402,417				7,157	6,338	7,966	9,375
Skelp iron or steel—do.		[2] 207,595	210,254	205,097	205,130	293,388		[1] 4,210	4,182	3,952	5,384	5,507
Iron or steel sheets, galvanized—do.	860,223	245,762	400,141	340,877	340,990	339,388	18,370	11,825	18,392	15,498	14,664	14,759
Steel sheets, black—do.		354,650	393,658	341,652	401,601	388,867		13,932	14,195	12,188	13,577	14,307
Iron sheets, black—do.		28,691	43,126	38,405	36,490	35,516		1,420	2,024	1,663	1,634	1,597
Strip steel, cold rolled—do.		[1] 21,492	28,694	25,867	44,221	39,148		[1] 914	1,148	1,025	1,531	1,577
Hoop, band, and scroll iron or steel—do.	[7] 24,246	58,119	76,392	70,812	85,880	119,585	[7] 488	2,134	2,305	2,036	2,398	3,558
Tin plate, terneplate, and tagger's tin—do.	109,706	282,790	561,751	568,710	559,199	680,081	3,816	15,635	26,766	29,062	26,346	28,566
C. Steel-mill products—Manufactures							54,317	93,568	81,407	73,830	83,622	96,001
Structural iron and steel—												
Structural shapes—												
Not fabricated—tons of 2,240 lbs.	242,157	158,362	157,121	148,176	202,804	288,513	10,831	11,319	7,655	6,554	8,754	12,684
Fabricated—do.			28,127	26,084	54,333	57,484			3,020	2,500	4,629	5,170
Ship and tank plates, punched or shaped —1,000 lbs.		15,494	12,820	15,762	9,227	13,959		533	343	441	319	487
Metal lath—do.		[10] 5,409	9,803	10,446	12,004	12,218		[1] 419	729	779	830	816
Other structural shapes—do.		[1] 112,974	97,295	81,319	77,031	108,382		[1] 4,094	3,589	2,970	3,164	4,008

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[7] Average for years 1910 and 1912–1914.
[10] Average for years 1923–1925.
[25] 1925 only.
[29] Includes "crude, crushed, or ground" prior to Jan. 1, 1928.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 6. METALS AND MANUFACTURES—Contd.												
C. Steel-mill products—Manufactures—Continued.												
Railway track material—												
Rails, tons of 2,240 lbs.	393,942	245,301	187,557	177,593	190,925	146,060	11,549	10,722	7,643	6,783	6,926	5,332
50 pounds and over per yard, do.		203,485	176,657	169,502	165,764	118,844		[1] 7,926	7,279	6,478	6,076	4,324
Less than 50 pounds per yard, do.		22,686	10,900	8,081	25,161	27,216		[1] 877	364	305	850	1,008
Rail joints, splice bars, fishplates, and tie-plates, 1,000 lbs.		[1] 60,422	62,056	47,942	62,432	45,901	[2] 2,670	3,375	1,676	1,436	1,738	1,521
Switches, frogs, and crossings, do.			14,564	15,570	15,414	12,690			1,025	1,150	1,087	1,088
Railroad spikes, do.	[2] 24,770	18,036	12,384	9,927	10,978	9,087	[2] 454	649	387	308	348	293
Railroad bolts, nuts, washers, and nut locks, 1,000 lbs.		[1] 5,187	4,562	3,551	5,227	5,348		[1] 292	255	262	310	322
Tubular products and fittings—												
Boiler tubes, do.		[1] 3,070	41,337	32,958	41,997	43,695		2,175	2,204	1,741	2,301	2,494
Casing and oil line pipe, do.			296,593	214,512	268,317	254,428			12,599	9,313	11,399	11,861
Welded black pipe, do.			188,221	206,416	167,396	231,316			7,704	7,856	6,324	9,276
Welded galvanized pipe, do.	492,390	499,525	90,861	102,697	79,691	93,902		26,145	4,015	4,384	3,303	3,992
Malleable iron screwed pipe fittings, do.			27,702	22,544	22,643	28,077			3,434	3,086	2,857	3,927
Cast-iron screwed pipe fittings, do.			23,000	16,246	16,325	33,684			1,980	1,506	1,348	2,362
Cast-iron pressure pipe and fittings, do.		73,861	20,383	25,987	22,273	33,349			1,313	1,235	914	1,444
Cast-iron soil pipe and fittings, do.			24,027	20,430	37,256	38,064		4,746	801	695	1,088	1,230
Wire and manufactures—												
Plain iron or steel and galvanized wire—												
Plain iron or steel wire, 1,000 lbs.	249,797	155,619	38,375	32,721	43,766	44,712	5,228	6,339	1,609	1,451	1,869	2,096
Galvanized, do.			31,764	46,652	59,658	67,214			1,102	1,393	1,599	1,558
Barbed wire, do.	191,912	146,069	104,305	105,943	155,008	132,111	4,595	5,293	3,212	3,156	4,377	3,748
Woven-wire fencing, do.		[1] 7,816	9,310	11,423	11,520	12,325	[2] 355	477	507	606	638	696
Woven-wire screen cloth, do.		[1] 3,904	4,456	5,045	4,221	3,729		[1] 731	746	827	626	669
Wire rope, do.		[1] 13,091	10,706	10,184	12,028	15,582		1,697	1,443	1,342	1,578	1,907
Insulated iron or steel wire and cable, do.			1,653	1,103	1,435	2,414			276	191	217	397
Other wire and manufactures, do.		[1] 28,030	20,121	21,413	21,983	23,257		[2] 1,647	2,385	1,983	1,894	2,445
Nails and bolts (except railroad)—												
Cut nails, do.	18,235	4,760	2,398	2,572	2,904	2,012	342	193	101	103	113	100
Wire nails, do.	107,401	71,955	26,304	22,380	32,583	29,087	2,230	2,834	885	763	956	864
Horseshoe nails, do.			2,364	2,416	2,564	1,939			279	267	279	214
Tacks, do.	18,134	13,162	2,030	2,005	1,666	1,509	595	1,453	295	286	229	210
Other nails, including staples, do.			10,960	11,890	15,027	17,508			960	999	1,063	1,260
Bolts, machine screws, nuts, rivets, and washers, except railroad, 1,000 lbs.	[2] 46,436	42,973	29,616	27,390	29,747	36,368	[2] 1,668	3,499	2,409	2,196	2,537	3,145
Castings and forgings—												
Iron castings, do.		[1] 31,338	19,799	26,263	27,013	24,587						
Steel castings, do.			16,947	15,687	21,753	24,247	2,887	2,742	1,276	1,353	1,518	1,573
Car wheels and axles, do.		[1] 44,862	37,360	37,323	38,426	48,076			1,829	1,808	2,551	2,975
Horseshoes, do.	[2] 2,659	1,893	1,478	1,289	1,049	985	408	2,000	1,487	1,273	1,309	1,560
Iron and steel forgings, do.		15,178	5,925	10,901	26,222	27,040	[2] 97	132	102	91	73	89
								515	543	827	2,308	2,207

D. Iron and steel, advanced manufactures							45,006	68,608	75,863	73,331	82,558	87,004
Cutlery							1,089	7,286	9,406	10,232	12,981	8,989
Razors, safety	1,000 doz.		335	570	599	218	[2] 420	4,774	883	733	875	363
Safety-razor blades	do.		8,949	11,017	15,602	9,962			5,930	7,021	9,864	6,519
Scissors and shears	dozens	[1] 78,358	37,553	27,154	42,454	27,251		[1] 263	178	153	141	142
Table and kitchen cutlery	1,000 doz.	[1] 496	378	535	418	387	[7] 150	778	589	611	557	533
Other cutlery and parts								1,523	1,826	1,714	1,544	1,432
Hollow ware—												
Tin and galvanized hollow ware	1,000 lbs.		6,284	5,529	7,144	7,381	1,266	1,696	740	704	849	935
Tin cans, finished or unfinished	do.	[1] 11,723	8,991	8,046	8,900	11,206			929	840	973	1,248
Enameled ware of iron or steel—												
Bathtubs	number	[2] 12,305	18,080	18,718	17,522	20,292	20,731	[2] 232	557	635	586	692	764
Lavatories, sinks, and other plumbing fixtures	number	[1] 48,899	52,279	56,643	55,551	56,442	[2] 516	632	602	651	617	672	
Enameled household ware	1,000 lbs.	[1] 3,999		1,986	3,506	3,210	[2] 385	1,017	662	402	604	606	
Metal furniture and fixtures—												
Filing cases	number	[1] 28,684	42,813	60,508	65,855	54,151		[1] 1,006	1,706	2,157	2,166	1,446	
Safes and cabinets, fire and burglar proof	number	8,056	6,683	8,439	14,751	18,810	43,556	436	694	626	844	1,017	1,992
Bank and safety deposit vaults and equipment									[10] 202	225	452	842	535
Other office furniture and fixtures									624	796	773	1,030	1,220
Metal beds and bed springs	number		168,340	169,619	176,856	191,776	685	2,132	1,399	1,411	1,564	1,646	
Other metal furniture									1,335	1,305	1,437	1,948	
Stoves and furnaces, except electric—												
Coal and wood cooking stoves and ranges	number		13,137	14,382	13,494	11,644			352	365	363	308	
Heating stoves and warm-air furnaces	do.		9,204	8,400	19,938	19,763			220	249	336	359	
Gas stoves, ranges, and water heaters	do.		37,015	42,551	49,000	48,396			926	790	890	921	
Kerosene cooking stoves and ranges	do.		220,762	98,257	(90,990	125,365	1,739	2,559				957	1,241
Gasoline cooking stoves and ranges	do.				(21,098	20,060			1,839	978	253	215	
Parts of stoves and ranges	1,000 lbs.		5,862	3,867	4,342	4,737			1,197	842	879	1,041	
House-heating boilers and radiators	1,000 sq. ft.				2,292	4,661	[9] 427	815	392	902	712	1,124	
Oil burners and parts											984	1,453	
Tools							10,536	15,914	16,959	16,481	17,474	17,661	
Axes (broad and hand)	1,000 doz.	[2] 160	99	94	100	109	99	[2] 1,146	1,220	1,055	1,034	1,129	1,085
Hack-saw blades	1,000 gross						275						1,281
Shelf and hardware saws	thousands						613	1,322	1,986	1,901	1,996	2,106	639
Other saws, except hack saws													293
Augers and bits, woodworking	dozens		92,478	97,160	81,812	81,880		964	316	290	283	265	
Files and rasps	1,000 doz.	[1] 1,998	2,151	2,375	2,639	2,356		2,575	2,674	2,804	3,100	2,787	
Hammers and hatchets	do.	[1] 59	63	72	77	72	[2] 372	413	363	370	341	379	
Hand hoes and rakes	thousands	[1] 379	400	278	341	328		[1] 173	167	119	138	138	
Shovels and spades	1,000 doz.	[1] 48	41	41	36	32	[2] 365	497	432	417	358	340	
Vises [30]	thousands	[10] 116	146	171	51	43		[10] 247	257	239	198	193	
Mechanics' and other hand tools, n. e. s.												365	
Automotive wrenches												1,107	
Other wrenches (except automotive)							8,461	8,022	9,794	9,211	9,821	8,809	

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[7] Average for years 1910 and 1912–1914.
[9] Average for years 1911–1914.
[10] Average for years 1924–25.
[30] "Vises and clamps" prior to Jan. 1, 1928.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 6.—METALS AND MANUFACTURES, ETC.—Con.												
D. Iron and steel, etc.—Continued.												
Hardware							6,474	8,495	8,825	7,820	8,502	9,830
Padlocks, 1,000 doz			283	222	187	176			599	524	466	489
Door locks and lock sets, do			73	61	58	71		2,035	513	455	488	618
Cabinet and other locks, do			209	158	165	174			376	340	352	362
Hinges and butts, iron or steel, 1,000 doz. prs			1,028	615	571	478		[1] 914	703	567	521	523
Other builders' hardware								[1] 1,801	1,834	1,555	1,619	1,934
Furniture hardware								[1] 355	409	401	377	478
Saddlery and harness hardware								[1] 332	205	215	204	153
Car and marine hardware								[1] 212	284	222	224	231
Other hardware								[1] 3,013	3,762	3,543	4,250	5,042
Needles, hand and machine, thousands		[1] 64,868	76,017	57,128	71,715	66,697		544	712	687	849	909
Sprocket and other power transmission chains, 1,000 lbs		[1] 12,977	4,597	6,159	6,285	6,814		2,256	1,085	1,226	1,366	1,525
Other chains, do			12,847	9,248	8,719	10,326			1,681	1,287	1,112	1,420
Automatic scales (except coin operated), number		[1] 112,934	14,502	13,628	13,580	11,869	1,057	2,049	931	1,108	1,072	848
Other scales and balances n. e. s., do			105,086	107,511	135,034	130,044			1,187	1,217	1,307	1,487
Wood screws, 1,000 gross		7,965	8,372	7,225	7,989	7,252		1,196	962	814	813	775
Other iron and steel manufactures							20,929	19,255	19,537	18,204	19,915	23,886
E. Ferro-alloys							285	489	818	1,076	861	1,013
Ferromanganese and spiegeleisen, tons of 2,240 lbs		3,008	693	1,641	9,440	1,574		118	44	62	233	59
Ferrotungsten, tungsten metal, and wire, pounds		[1] 6,050	29,380	20,143	16,641	102,834		[1] 106	156	165	123	325
Other ferro-alloying ores and metals, 1,000 lbs		[10] 4,843	6,032	7,295	5,855	12,930	[9] 356	286	618	849	505	629
F. Nonferrous metals, except precious							141,064	173,483	200,555	216,134	227,375	238,811
Aluminum							1,441	6,538	9,194	14,108	12,102	11,896
Bauxite and other ores and concentrates, tons of 2,240 lbs	[9] 10,691	51,969	87,770	121,858	112,984	133,551	[9] 479	2,589	4,741	7,800	5,211	3,926
Ingots, scrap, and alloys, 1,000 lbs		3,049	587	3,525	2,390	613		674	138	742	444	117
Plates, sheets, bars, strips, and rods, do		3,165	7,047	10,997	13,338	16,419		1,015	1,997	2,737	3,315	4,032
Tubes, moldings, castings, and other shapes, 1,000 lbs		[1] 1,979	2,115	1,530	1,004	2,467		[1] 644	672	500	398	733
Table, kitchen, and hospital utensils								[1] 647	531	565	643	708
Other aluminum manufactures							1,058	1,227	1,115	1,764	2,091	2,376

Copper.....1,000 lbs.[31]	[32] 827,809	876,676	965,685	1,076,729	1,125,019	998,474	121,179	129,760	141,204	150,214	169,831	183,404
Ores, concentrates, composition metal, and unrefined copper (copper content).....1,000 lbs		686	5,465	7,236	3,833	5,579	2,348	95	612	785	508	936
Refined copper in ingots, bars, or other forms.....1,000 lbs	[3] 802,472	791,171	856,125	922,466	949,474	822,454	[2] 124,402	111,475	121,231	125,378	140,340	143,436
Old and scrap copper.....do		4,852	19,426	45,418	55,467	37,635		601	2,178	5,128	6,994	5,676
Pipes and tubes.....do		2,424	3,253	3,139	3,554	3,446		639	840	777	910	967
Plates and sheets.....do	[2] 66,453	7,074	5,032	7,074	6,039	6,323	[2] 10,360	1,475	1,075	1,321	1,275	1,576
Rods.....do	[2] 36,982	48,908	44,790	58,617	71,325	81,088	[2] 6,258	7,263	6,857	8,870	11,066	14,585
Wire.....do		10,852	13,041	10,289	15,676	16,869		1,962	2,244	1,689	2,624	3,332
Insulated copper wire and cable.....do		[1] 13,386	18,553	22,490	19,651	25,080	[33] 1,992	4,498	4,816	5,166	4,817	6,176
Other copper manufactures.....do							3,552	1,753	1,350	1,099	1,297	1,720
Brass and bronze							7,099	11,084	13,674	17,516	17,618	17,503
Scraps and old.....1,000 lbs	[3] 27,704	32,074	50,265	91,994	84,826	53,734	2,841	3,472	4,944	8,824	7,947	5,899
Ingots.....do						1,757						268
Bars and rods[35].....do	[8] 6,121	4,501	3,291	2,618	1,995	3,574	[8] 917	836	553	410	395	756
Plates and sheets[35].....do			1,464	893	2,409	2,297			332	238	511	574
Pipes and tubes.....do		[1] 2,572	3,557	3,433	4,261	5,295		700	922	788	1,075	1,416
Pipe fittings and valves.....do		[1] 2,992	3,435	3,278	4,042	4,591		[1] 1,661	1,828	1,807	2,076	2,466
Hinges or butts of brass or bronze.....doz. prs						31,766						94
Other hardware of brass or bronze								[1] 359	815	764	671	881
Plumbers' brass goods.....1,000 lbs				713	969	1,077			232	394	541	636
Wire of brass or bronze.....do			439	1,196	1,357	1,558		339	407	380	435	545
Brass wood screws.....1,000 gross		1,064	1,267	623	599	591				158	157	169
Other brass and bronze manufactures							[8] 4,545	4,121	3,641	3,753	3,811	3,799
Lead.....1,000 lbs		126,998	167,965	252,864	244,472	157,697	1,007	8,884	12,710	13,742	11,856	8,707
In pigs, bars, etc.....do		117,300	142,481	242,983	229,564	144,521		7,368	9,412	12,424	1,0210	7,072
From domestic ore.....do		7,893	8,552	5,066	28,403	38,515		508	601	309	1,299	1,918
From foreign ore.....do		109,407	133,929	237,917	201,161	106,006		6,860	8,811	12,115	8,911	5,154
Other lead manufactures.....do		[1] 12,122	25,484	9,881	14,907	13,176	1,007	1,517	3,297	1,318	1,646	1,635
Nickel—												
Nickel, monel metal, and alloys.....do	23,188	3,203	1,599	2,108	2,349	2,870	7,593	604	429	601	880	1,116
Manufactures							101	268	575	788	1,161	1,347
Tin—												
Bars, blocks, or pigs.....1,000 lbs		1,508	1,511	2,262	781	1,769		574	708	889	326	781
Manufactures.....do								[10] 1,599	1,626	1,909	1,514	1,871
Zinc							[1] 582	9,119	13,146	9,456	4,794	3,649
Ore and concentrates[36].....tons of 2,240 lbs	16,361	[25] 61,563	85,046	41,711	4,034	63	634	[25] 3,277	4,056	1,691	206	2
Dross[36].....1,000 lbs	4,480	20,870	20,922	8,902	6,297	6,980	179	901	1,101	296	241	217
Cast in slabs, blocks, or pigs.....do	10,597	92,236	85,669	91,279	50,513	28,688	641	6,349	6,358	6,028	3,008	1,871
Rolled in sheets, strips, etc.....do		6,647	9,281	7,845	8,650	10,529		695	1,087	869	907	1,075

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[3] Average for years 1912–1914.
[8] Average for years 1911–1914.
[10] Average for years 1923–1925.
[25] 1925 only.
[31] Not including pounds of "other copper manufactures."
[32] The estimated quantity of copper content of ore is included.
[33] 1914 only. Included in "electrical appliances for earlier years.
[34] Prior to 1925 data are "scrap and old fit only for manufacture."
[35] Prior to 1925 data are "ingots, plates, sheets, bars, and rods."
[36] For years 1922–1924 data included for "dross" are "ores, concentrates, and dross."

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 6.—METALS AND MANUFACTURES, ETC.—Con.												
F. Nonferrous metals, except precious—Continued.												
Zinc—Continued.												
Dust.....1,000 lbs.		[1] 5,094	2,181	2,713	2,016	2,511		[1] 389	226	259	199	250
Other zinc manufactures.....do.		[1] 926	2,593	2,667	2,026	1,244	128	207	319	312	234	234
Nickel silver, or German silver in bars, rods, or sheets.....1,000 lbs.		[1] 407	1,539	1,424	1,405	1,044	61	187	336	319	364	326
Babbitt metal.....do.	1,213	1,239	1,337	1,654	1,692	2,254	225	342	465	598	564	654
Other metal and alloys.....do.		[1] 1,388	2,104	2,923	6,805	8,332		[1] 560	859	1,095	1,547	1,525
Plated ware, other than gold or silver									888	1,031	1,026	893	1,044
Type.....1,000 lbs.	684	585	620	637	769	688	237	337	377	381	443	347
Other metal and metal composition manufactures, n. e. s.							539	3,490	4,223	3,491	3,482	4,641
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin												
Platinum—							2,770	3,138	4,466	5,705	4,933	4,141
Ingots, sheets, wire, alloys, and scrap.....ozs. (troy)	845	5,593	11,573	19,923	9,050	2,567	34	589	1,254	1,578	619	193
Manufactures, except jewelry.....do.		1,481	1,898	1,549	2,168	1,455	85	115	161	129	161	112
Jewelry							1,245	827	870	1,177	1,634	1,576
Gold and silver ware, except cutlery and jewelry—												
Silver plated—												
Tableware							963	946	237	237	288	315
Other articles									183	183	195	191
Gold-plated articles									490	487	336	249
Gold manufactures, n. e. s.							443	662	914	1,550	1,477	1,273
Silver manufactures, n. e. s.									357	364	224	232
GROUP 7.—MACHINERY AND VEHICLES												
Total							200,483	531,382	755,934	857,018	1,035,544	1,200,762
A. Electrical machinery and apparatus							20,856	69,475	85,368	86,150	90,780	121,357
Generators—												
Direct current—												
Under 500 kilowatts.....number			4,062	2,754	3,593	3,622			960	871	1,231	1,297
500 kilowatts and over.....do.			54	66	159	85			455	650	624	863
Alternating current—		[1] 8,462					[2] 2,704	4,149				
Under 2,000 kilovolt-amperes.....do.			293	271	279	439			188	170	227	296
2,000 kilovolt-amperes and over.....do.			30	34	20	13			[1] 1,273	1,098	394	312
Steam turbine generator sets.....do.		[16] 444	841	1,179	1,124	537		[16] 436	1,412	1,822	856	1,024
Accessories and parts for generators								[1] 1,130	920	1,137	1,094	980

Self-contained lighting outfits.....number		[1] 2,764	4,411	5,153	4,015	3,930		[1] 727	1,151	1,340	1,116	1,191
batteries—												
Flashlight batteries.....thousands			16,108	23,438	34,440	53,675			1,674	2,250	2,941	3,466
Radio B and C batteries (dry).....do		[1] 8,600	6,101	6,471	7,971	1,939	[37] 686	3,940	2,020	2,429	2,750	1,033
Other batteries, n. e. s.....do						5,305						1,707
Storage batteries.....do			282	302	338	353			3,443	3,673	3,401	3,475
Transforming or converting apparatus—												
Power transformers, 500 kilovolt amperes and over.....number					2,327	2,487					1,197	1,351
Distribution transformers, less than 500 kilovolt-amperes.....number		[1] 58,556	2,415	3,321	5,257	7,313	[37] 1,455	5,199	2,231	1,556	829	1,298
Instrument transformers.....do					1,023	2,895					91	155
Other transformers.....do			42,411	43,154	52,532	95,750			1,266	1,051	893	1,451
Battery chargers under 15 amperes...do					60,356	40,605					289	235
Rectifiers, double current and motor generators, dynamotors, synchronous, and other converters.....number		[1] 50,865	65,486	94,482	14,799	6,587		[1] 1,122	1,557	1,729	1,129	1,278
Transmission and distribution apparatus—												
Switchboard panels, except telephone.....number			4,230	3,313	4,343	3,398			2,193	1,628	1,619	1,183
Switches and circuit breakers over 10 amperes.....thousands		[1] 5,538	341	390	388	457		4,246	2,618	1,987	1,758	2,250
Fuses and fuse blocks.....do		[1] 2,914	4,035	3,994	5,366	5,714		[1] 284	352	370	438	571
Watt-hour and other measuring meters.....number			47,393	45,360	102,474	125,888			493	419	994	1,266
Volt, watt, and ampere meters, and other recording, indicating, and testing apparatus.....number		[1] 185,927	240,222	240,784				1,969	2,152	2,139		
Electrical indicating instruments...do					58,605	55,972					453	701
Electrical recording instruments....do					6,151	4,092					216	326
Other electrical testing apparatus											873	1,048
Lightning arresters, choke coils, reactors, and other protective devices.....number		[1] 80,045	82,126	87,821	78,867	113,747		[1] 730	709	726	782	995
Motors, starters, and controllers—												
Motors ⅓ horsepower and under.....do					113,507	146,415					2,122	2,699
Motors over ⅓ and under 1 horsepower.....number			95,028	114,036	25,551	23,067			2,000	2,614	835	778
Stationary motors—		[1] 101,750					[9] 4,170	7,531				
1 to 200 horsepower.....do			22,084	22,817	19,859	24,210			3,207	3,068	2,872	4,251
Over 200 horsepower.....do			263	132	158	173			884	402	387	398
Railway motors.....do			1,282	922	513	328			1,127	915	598	304
Electric locomotives—												
Railway.....do	[8] 35	116	34	18	107	71	[8] 267	1,914	1,841	690	1,058	656
Mining and industrial.....do			144	124	78	102			759	631	471	466
Other motors								116				
Station and warehouse electric motor trucks.....number		223	175	240	202	115		162	178	196	178	187

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[8] Average for years 1912–1914.
[9] Average for years 1924–25.
[37] 1914 only.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7.—MACHINERY AND VEHICLES—Con.												
A. Electrical machinery and apparatus—Continued.												
Motors, starters, and controllers—Continued.												
Starting and controlling equipment—												
For industrial motors												
For electric railway and vehicle motors								1,338	1,395	1,152	1,523	2,028
Portable electric tools—number									203	247	238	204
Accessories and parts for motors			14,173	23,180	29,524	27,922			549	965	1,301	1,364
Electric appliances—								[1] 1,709	2,181	2,410	2,542	3,494
Electric fans—number	[2] 31,537	64,008	65,600	74,063	66,193	84,930	[2] 396	978	948	1,005	938	1,187
Electric lamps—												
Metal filament—thousands	[2] 1,106	6,668	8,833	9,843	11,361	8,732	[2] 307	1,565	1,603	1,538	1,465	1,311
Other electric lamps—do	[2] 1,414	564	1,172	2,427	3,097	3,018	[2] 331	262	281	440	595	635
Flashlights—do		[1] 894	2,165	2,718	2,971	3,157		[1] 716	2,058	2,474	2,528	2,589
Searchlights and projectors—number		[1] 12,319	17,487	19,970	16,444	20,429		[1] 397	574	874	640	572
Motor-driven household devices—												
Electric washing machines—number			14,726	19,579	27,173	28,896			954	1,344	1,823	2,000
Electric vacuum cleaners—do					60,263	69,897					1,308	1,489
Other motor-driven devices, except tools—number		[1] 34,248	75,239	94,538				[1] 900	1,744	2,312		
Electric flatirons—do					27,201	32,762					858	1,129
Domestic heating and cooking devices—					141,799	157,055					362	380
Electric cooking ranges—thousands												
Other domestic heating and cooking devices—thousands		[1] 323	581	474	10	6		1,132	1,722	1,558	294	364
Industrial electric furnaces and ovens—number		[1] 1,812	1,700	2,069	293	301		[1] 236	253	532	931	1,008
Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc					2,249	2,706		[1] 982	1,478	1,660	456	485
Signal and communication devices—											1,780	1,947
Radio apparatus—												
Transmitting sets and parts									556	401	769	1,940
Receiving sets—number			69,482	75,839	96,341	200,936		[1] 5,570	2,874	2,961	4,550	9,776
Tubes—thousands			665	722	553	1,233			868	1,004	1,018	1,997
Receiving-set components									2,016	2,306	3,054	4,419
Loud speakers—thousands						243						2,289
Other receiving set accessories									2,481	2,510	2,671	2,700
Telegraph apparatus							[3] 140	606	1,018	1,037	866	1,071
Telephone apparatus—												
Telephone instruments—number			27,355	27,279	30,978	68,920			437	356	433	981
Telephone switchboards—do			906	1,042	1,096	2,575	[3] 1,300	3,603	2,219	727	400	1,626
Other telephone equipment									2,468	2,721	2,495	3,961

Railway signals, switches, and attachments								[1] 796	505	775	713	1,240
Bells, buzzers, annunciators, and alarms								[1] 123	296	319	364	402
Other electrical apparatus—												
Spark plugs—thousands					4,550	6,825					1,417	2,098
Other starting, lighting, and ignition equipment								1,744	1,904	2,007	1,080	1,846
Insulating material—1,000 lbs		[1] 4,509	4,818	5,223	5,399	6,828		[1] 1,352	1,380	1,361	1,349	1,495
Metal conduit, outlet, and switch boxes—1,000 lbs		[1] 6,010	10,762	10,875	14,768	16,702		[1] 536	1,164	1,038	1,331	1,549
Sockets, receptacles, and lighting switches—thousands		[1] 4,697	7,789	10,441	12,809	11,709		[1] 1,110	1,718	1,803	1,931	2,129
Electric interior lighting fixtures									1,860	1,902	2,092	2,617
Electric street lighting fixtures							[37] 721	1,886			575	623
Other wiring supplies and line material									1,104	1,358	1,074	1,447
Other electrical apparatus, n. e. s							[8] 12,856	12,032	7,423	7,491	8,299	13,474
B. Industrial machinery							78,553	166,526	178,602	200,112	224,804	277,768
Power-generating, except electric and automotive							1.., 042	30,901	28,353	25,463	23,983	29,091
Steam engines—												
Stationary, except turbines—number	8,238	703	498	593	335	359	1,868	718	524	726	490	399
Mechanical-drive turbines—do		[1] 124	80	78	68	113		[1] 997	782	634	426	382
Locomotives—do	416	467	271	228	193	207	3,959	11,891	5,113	5,327	3,182	4,767
Locomotive parts and accessories						4,443	5,840	3,930	3,934	3,784	2,856	1,877
Other engines and parts												926
Steam boilers, fire tube—1,000 sq. ft.[38]		[1] 717	781	787	232	297		2,263	1,805	1,744	470	684
Steam boilers, water tube—do					422	573					929	1,407
Condensers, heaters, accessories								[1] 391	646	668	632	1,071
Steam specialties—injectors, gauges, safety valves, steam traps, boiler-tube cleaners, etc								[1] 1,603	1,908	2,043	1,955	2,796
Internal-combustion engines—												
Stationary and portable engines—												
Gasoline locomotives—number		[28] 253	326	225	343	389		[28] 315	607	641	940	1,071
Diesel and semi-Diesel—do		[1] 1,068	894	684	937	904		[1] 528	1,587	1,167	1,247	1,261
Other—												
Not over 10 horsepower [39]—do	[8] 22,035	27,262	33,357	29,009	39,559	35,651	[8] 2,953	4,031	3,177	2,585	3,312	3,067
Over 10 horsepower [39]—do			2,842	2,738	4,760	4,494			2,575	1,605	2,016	2,346
Marine engines, Diesel and semi-Diesel—number		[1] 282	1,009	720	600	1,189		[1] 377	1,169	1,207	1,286	2,416
Engine accessories and parts (carburetors)								[1] 3,422	4,273	3,219	3,502	4,265
Water wheels and water turbines—number		[1] 237	106	62	76	65		[1] 302	254	212	740	356
Construction and conveying machinery								9,155	17,047	19,127	22,791	26,487
Excavators, including power shovels—number		[1] 139	268	410	489	648		1,631	3,352	4,342	5,655	7,296
Excavator parts and accessories								[25] 893	1,153	1,783	2,100	2,490

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[8] Average for years 1912–1914.
[25] 1925 only.
[37] 1914 only.
[38] Heating surface.
[39] "Not over 8 horsepower" and "over 8 horsepower" prior to 1925.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7. MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Construction and conveying machinery—Con.												
Dredging machinery								[1] 598	1,225	550	821	925
Concrete mixers number		[1] 861	1,211	2,007	1,932	2,172		629	737	1,131	1,106	1,402
Road rollers do			217	142	184	109			398	380	499	309
Road grading and maintaining equipment								980			614	897
Other road-making equipment									1,291	1,839	1,688	1,934
Other construction equipment 1,000 lbs.								[1] 888	874	935	1,277	1,119
Cranes with swinging booms number		[1] 233	79	91	102	129			770	928	1,043	850
Other cranes do			193	249	372	332		[1] 1,088	815	710	1,443	1,909
Mono-rail hoists do					177	197					25	34
Other hoists do		[1] 4,704	7,209	6,810	8,138	9,223		[1] 886	1,237	1,158	1,295	1,401
Derricks, except mining do					195	277					439	541
Elevators, freight and passenger do			408	552	709	925			938	1,072	1,220	1,387
Conveyors, bucket, chain, or belt do			1,345	1,575	1,692	1,171		[2] 1,521	454	428	632	466
Other conveying equipment									3,803	3,375	2,935	3,527
Mining, well, and pumping machinery							11,467	24,783	38,350	38,581	38,963	54,450
Mining and quarrying machinery—												
Coal cutters number		[16] 78	181	193	104	95		[16] 206	635	645	440	311
Rock drills do		[1] 6,108	8,527	10,505	11,375	13,644		[1] 1,005	1,506	1,885	2,023	2,254
Mine hoists and derricks do		[1] 228	294	713	1,006	1,523		[1] 248	294	408	783	1,152
Ore crushing and sorting								[1] 1,798	4,048	3,110	3,131	4,262
Concentrating and smelting								[1] 442	1,164	791	586	1,222
Other mining and quarrying							7,777	6,058	7,211	6,290	7,097	8,753
Well and refinery machinery—												
Well-drilling apparatus								7,762	8,292	8,477	8,118	9,081
Other oil-well and oil-refinery									7,014	8,365	8,074	14,822
Other well-drilling apparatus												1,102
Pumping equipment—												
Centrifugal pumps number			2,669	3,717	5,794	6,114			742	969	1,495	2,145
Steam pumps do			6,328	6,211	6,549	8,330			1,494	1,764	1,430	2,265
Other reciprocating power pumps do			20,245	23,128	18,893	20,152	3,690	8,038	3,037	2,818	2,513	2,614
Hand and windmill pumps do			96,235	103,755	107,289	73,498			898	763	756	754
Other pumps and parts of pumps									2,017	2,235	2,516	3,713
Power-driven metal-working machinery							[40] 11,573	[40] 13,814	14,316	20,391	27,421	33,439
Engine lathes number			288	716	797	879			635	1,563	1,600	1,928
Turret lathes do		[1] 1,059	156	279	434	522		1,726	326	846	1,110	1,405
Other lathes do			622	444	840	948			759	913	1,721	1,866

Vertical boring mills and chucking machinery, number			87	136	113	208			191	345	290	452
Thread-cutting and automatic screw machines, number		[1] 886	827	895	822	1,054		[1] 630	727	963	1,152	1,552
Knee and column type milling machines, number		[1] 540	209	241	321	537		[1] 778	454	472	811	1,290
Other milling machines, do			373	486	680	681			505	1,061	1,480	1,559
Gear-cutting machines, do		[1] 378	199	401	404	434		[1] 390	444	905	1,095	1,331
Vertical drilling machines, do			319	343	517	395			252	332	493	425
Radial drilling machines, do			71	95	132	142			132	215	341	355
Other drilling machines, do			1,912	1,377	1,241	2,051			319	385	694	702
Planers and shapers, do		[1] 233	572	403	398	482		[1] 354	314	602	762	911
Grinding machines—												
Surface						288						327
External cylindrical, do			505	711	945	824			709	1,648	2,173	1,869
Internal, do			240	467	462	408		1.588	478	1,100	921	1,190
Tool grinding, cutter grinding, and universal, number			880	679	727	1,416			322	388	508	656
Other metal-grinding machines									364	702	798	1,057
Sheet and plate metal-working machines									1,209	1,490	2,773	3,330
Forging machinery									1,059	1,109	955	1,704
Rolling-mill machinery									402	542	634	1,658
Foundry and molding equipment								[1] 515	891	1,061	1,351	2,035
Other power-driven metal-working machinery and parts								[40] 8,367	3,544	3,687	5,751	5,790
Other metal-working machinery								[1] 3,127	4,550	4,989	6,703	7,366
Pneumatic portable tools, number		[1] 12,254	17,743	20,092	21,824	24,736		[1] 813	1,278	1,575	1,704	2,034
Other portable and hand or foot operated metal-working machines and parts									603	651	1,017	1,22
Chucks for machine tools, number		[1] 23,782	17,615	15,640	19,324	20,706		[1] 295	230	220	244	288
Drills and reamers										639	659	289
Taps, dies, screw plates, and pipe stocks								[1] 2,018	2,439	902	1,798	1,722
Other metal-working tools										1,001	1,281	1,211
Textile, sewing, and shoe machinery							12,253	23,690	21,938	23,863	24,818	27,833
Textile machinery							[2] 1,790	12,588	10,400	11,466	12,857	13,656
Circular hosiery knitting machines, number			7,962	8,331	8,953	5,785			2,803	3,448	3,751	2,602
Other circular knitting machines, do			1,279	1,946	1,839	1,348			634	840	784	630
Other knitting machines and parts								[1] 3,211	1,025	1,206	1,429	2,143
Cotton spinning and twisting machines								[16] 456	543	523	454	565
Cotton looms, number						2,489		511	698	518	693	633
Other cotton machinery								[16] 1,041	837	529	544	1,127

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[16] Average for years 1924–25.
[40] All metal-working machinery is included prior to 1922.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Textile, sewing, and shoe machinery—Con.												
Textile machinery—Continued.												
Wool carding and weaving machinery												
Silk machinery								[1] 267	286	268	342	346
Other textile and textile finishing machinery								[1] 254	162	354	599	826
								[1] 3,244	3,413	3,780	4,260	4,784
Sewing machines—												
For domestic use—number		[1] 246,151	214,947	171,360	166,837	196,070	9,914	8,210	5,560	4,595	4,356	5,439
For factory or industrial use—do			42,483	65,625	62,128	70,033			3,123	4,369	4,250	4,886
Sewing-machine parts								[1] 1,861	1,492	1,715	1,615	1,864
Shoe machinery, except sewing							1,623	1,404	1,353	1,718	1,740	1,988
Other industrial machinery							30,610	61,681	54,056	67,697	80,126	99,102
Cigarette, cigar-making, and other tobacco machinery											1,208	1,296
Bakery machinery and parts										487	1,070	1,002
Flour-mill and gristmill							[2] 1,348	1,135	863	626	582	686
Rice-mill machinery								[1] 187	247	227	214	197
Sugar-mill machinery—												
Cane mills—number			3,634	3,338	3,188	3,166	[3] 2,452	8,405	365	390	638	721
Other sugar-mill machinery									3,677	5,433	4,053	3,716
Paper and pulp-mill machinery							[2] 929	2,134	3,846	3,823	3,067	3,917
Sawmill machinery							[3] 819	740	966	800	921	941
Planers, matchers, jointers, and molders—number		[25] 188	275	242	209	237		[25] 198	267	275	222	285
Other woodworking machinery and parts							1,480	1,571	1,200	1,485	2,062	2,522
Blowers and ventilating machinery								[19] 514	836	847	1,260	2,163
Bottling and bottle-washing machinery												1,834
Brewers' machinery							[6] 372	638	946	1,022	1,283	1,026
Ice-making equipment									747	761	820	722
Refrigerating equipment—												
Refrigerating sets—												
Up to ¼ ton capacity—number				2,588	35,712	62,067	[3] 824	2,150	3,620	3,685	6,469	9,945
Over ¼ to 1 ton capacity—do						8,839						1,815
Over 1 and up to 10 tons refrigerating capacity [41]									692	215	1,330	1,401
Over 10 tons refrigerating capacity										787	912	917

Oil-mill machinery								[1] 323	894	983	775	974
Cotton gins, cotton presses, and parts							[2] 231	506	692	368	573	478
Ball and roller bearings, and parts 1,000 lbs.		[1] 2,464	2,235	2,309	4,176	4,296		[1] 1,485	1,691	1,805	2,326	3,236
Air compressors—												
Capacity up to 25 cubic feet number		[1] 5,790	7,869	12,669	12,887	14,018	[2] 583	3,120	1,098	1,354	1,201	1,272
Capacity over 25 cubic feet do			2,744	3,920	4,064	5,413			3,567	4,519	5,536	6,317
Meat and other grinding and slicing machines number				92,032	14,983	10,091				942	1,118	1,004
Paint-spraying equipment											593	781
Laundry machinery—												
Power-driven laundry machines for commercial laundries do			2,274	1,980	2,348	3,822	1,093	1,581	1,210	1,456	1,274	2,034
Other laundry and dry-cleaning equipment									1,003	1,102	2,040	2,780
Gas meters number		[1] 34,062	23,769	22,663	25,337	25,020		590	273	332	320	404
Water meters do			24,841	30,445	27,984	21,898			404	534	477	390
Iron or steel body valves for steam, water, oil, and gas thousands					195	343					2,470	4,521
Other parts, n. c. s.							23,395	37,357	24,952	31,439	35,311	39,805
C. Office appliances							15,024	23,466	36,311	44,094	48,469	53,753
Accounting and calculating machines—												
Billing and bookkeeping machines number			8,484	11,483	12,325	11,581			3,357	5,078	6,236	6,421
Listing-adding-bookkeeping do				4,803	7,308	4,272				2,203	3,884	2,872
Typewriter-bookkeeping-billing do				6,675	5,017	7,309				2,875	2,352	3,549
Nonlisting adding machines do				1,271	2,273	3,540				110	121	263
Listing-adding machines do		20,933	20,030	33,754	38,683	36,211	[9] 1,174	4,451	2,195	3,130	3,786	3,546
Calculating machines do			11,383	11,237	13,814	14,886			1,730	1,767	2,336	2,762
Card punching, sorting, and tabulating machines number			1,500	1,371	1,356	1,376			1,144	1,116	1,119	869
Other, including used and rebuilt do			2,570	3,743	5,346	3,340			275	273	282	259
Duplicating machines, parts and supplies for								[1] 450	431	594	569	811
Cash registers number	39,565	17,269	27,644	35,498	38,264	43,680	3,775	3,436	5,139	6,794	7,475	9,525
Parts of cash registers								359	522	622	673	1,080
Typewriters number		[1] 254,463	328,852	378,108	390,539	425,243	10,310	14,192	18,199	20,856	21,011	22,843
Standard typewriters, new do		[25] 205,407	202,122	216,338	212,959	229,190		[25] 14,010	13,734	14,934	14,627	15,771
Portable typewriters, new do		[25] 85,602	98,456	123,953	132,291	146,193		[25] 3,087	3,582	4,700	4,987	5,491
Used and rebuilt typewriters do		[25] 27,315	28,274	37,817	45,289	49,860		[25] 924	883	1,221	1,398	1,581
Typewriter parts								[1] 834	891	1,011	940	1,269
Other office appliances									2,429	2,743	3,914	4,105
D. Printing machinery							3,344	9,606	14,276	15,246	16,579	19,061
Typesetting machines number		[1] 1,249	1,279	1,312	1,446	1,727	[2] 1,851	3,641	3,740	4,504	4,947	5,770
Printing presses do		[1] 2,724	2,518	2,972	2,931	3,005	2,604	5,282	6,232	6,251	6,156	6,472
Other printing and typesetting machinery and accessories								[16] 1,705	4,303	4,491	5,476	6,819

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[9] Average for years 1911–1914.
[16] Average for years 1924–25.
[25] 1925 only.
[41] Up to 10 tons refrigerating capacity prior to Jan. 1, 1927.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7—MACHINERY AND VEHICLES—Contd.												
E. Agricultural machinery and implements							40,466	51,913	85,499	90,747	116,651	140,799
Bee-keeping equipment												130
Cream separators—number	[3] 9,923	8,551	14,843	8,227	12,367	12,420	[3] 410	406	803	429	797	700
Other dairy machinery and parts								[1] 902	1,325	1,342	1,504	1,769
Incubators and brooders—number		[1] 11,216	21,599	28,956	31,099	30,757	[3] 180	237	444	668	735	879
Other poultry equipment, n. e. s.											187	252
Implements of cultivation—												
Horse and power plows—do			[179,262	164,296	183,021	244,882						
Harrows—do		[1] 242,067	27,017	29,354	31,371	51,072	7,003	6,162	5,642	5,321	6,006	8,169
Cultivators, horse and power—do			59,635	55,494	69,292				1,440	1,484	1,811	2,617
Planters, horse and power—do			[11,359	3,451	6,960	11,706			1,120	818	960	1,506
Drills and seeders, horse and power—do		[1] 18,568	16,287	20,237	15,891	24,424	[3] 1,262	1,141	551	164	250	494
Sprayers and dusters—do		[25] 36,233	57,409	55,983	83,269	59,533			1,571	1,955	1,674	2,651
Other cultivating implements and parts								[25] 255	296	483	435	335
Harvesting machinery—								[1] 3,241	4,378	4,506	4,702	5,030
Mowers, except lawn—number		[1] 68,724	19,319	14,362	14,120	13,400	[42] 16,708	2,813	1,211	883	835	863
Lawn mowers, hand and power—do			119,831	85,818	117,950	103,167	[2] 377	[43] 543	875	727	949	848
Hayrakes and tedders—do		[1] 10,388	7,718	5,611	10,820	9,810	[2] 578	389	274	204	363	389
Grain harvesters and binders—do		[1] 29,563	48,258	27,280	22,576	21,378		[1] 4,738	7,874	4,640	4,472	4,191
Combines (reapers, threshers)—do		[25] 1,720	4,444	4,705	7,317	10,887		[25] 1,028	3,165	5,476	10,449	15,536
Other harvesting implements and parts								[1] 3,292	3,706	2,963	4,053	5,837
Seed separators—												
Threshers—number		[1] 5,175	5,590	4,717	6,046	2,806	[3] 3,859	4,785	5,156	4,644	5,723	2,560
Corn shellers—do		[1] 10,626	15,160	14,557	21,272	17,851		[1] 212	344	199	297	363
Other separators and parts								[1] 1,158	2,404	1,928	2,024	1,051
Feed cutters, grinders, and crushers—number		[1] 2,910	4,861	8,394	8,905	8,554		[1] 165	249	282	393	427
Wheel tractors—do			49,984	56,562	53,993	54,353			28,282	34,540	44,360	49,108
Track-laying tractors—do	2,097	22,965	1,258	1,713	3,169	5,802	3,978	14,312	2,204	3,211	6,047	11,275
Track-laying tractors less tracks—do					703	648					1,162	1,390
Engines for tractors—do			2,251	1,263	642	842			1,197	494	213	286
Parts and accessories for tractors								2,559	5,614	7,443	9,612	13,165
Windmills—number		[1] 11,558	17,807	21,095	25,151	32,492	1,646	1,105	1,193	1,428	1,584	1,787
Towers and parts of windmills, except pumps								[1] 528	656	892	776	956
Hay presses, hand and power—number		[1] 1,022	881	769	1,205	1,190		[1] 252	244	250	350	342
Other agricultural machinery, implements, and parts							7,439	5,831	3,382	3,371	4,025	4,893
F. Automobiles and other vehicles							42,240	210,397	355,888	420,669	538,869	588,025
Automobiles, parts, and accessories							24,142	177,164	320,179	388,528	500,177	539,300

Electric trucks and passenger cars.....number		[1] 202	108	114	138	170		[1] 280	156	207	178	248
Motor trucks and busses, and chassis, except electric.....number	[2] 889	25,952	66,880	105,447	138,768	196,760	[2] 1,459	18,165	47,176	70,123	91,361	111,436
Up to 1 ton.....do		[1] 23,752	52,184	85,674	104,666	151,012		[1] 9,610	24,084	40,777	51,344	65,235
Over 1 to 2½ tons.....do		[1] 5,572	12,414	17,517	30,996	42,418		[1] 7,102	16,025	22,686	32,201	37,646
Over 2½ tons.....do		[1] 1,248	2,282	2,256	3,106	3,330		[1] 3,411	7,067	6,661	7,816	8,554
Passenger cars and chassis, except electric.....number	[2] 26,299	124,092	238,540	273,748	368,329	339,447	[2] 24,834	94,339	176,432	207,966	263,576	234,292
Factory list price—												
Low price range, up to $1,000[44].....do		[1] 96,682	165,293	153,484	280,440	254,218		[1] 47,274	84,209	73,671	149,986	129,772
Medium price range over $1,000 up to $2,000[44].....number		[1] 47,300	67,493	115,882	76,335	75,257		[1] 52,968	76,598	111,726	85,732	80,870
Over $2,000.....do		[1] 3,396	5,754	9,382	11,554	9,972		[1] 9,473	15,625	22,570	27,857	23,650
Parts of, except tires—												
Automobile engines—												
For motor trucks and busses.....do	[3] 7,379	54,420	4,265	5,422	16,244	8,331	[3] 1,300	6,355	586	678	1,651	1,155
For passenger cars.....do			114,228	91,631	108,061	87,072			11,940	10,208	11,375	9,061
Automobile parts for assembly									38,535	41,295	62,421	107,673
Automobile and truck springs												873
Automobile parts for replacement, n. e. s.							4,032	58,081	36,075	50,177	60,334	65,157
Automobile accessories									9,279	7,874	9,281	9,406
Automobile shock absorbers and stabilizers.....number					500,551	308,908					1,254	769
Automobile bumpers.....do					67,891	39,714					344	198
Automobile horns, hand and electric.....do						134,792						383
Other accessories, n. e. s.											7,683	8,056
Automobile service appliances, n. e. s.								[10] 3,117	6,862	6,998	7,366	7,531
Automobile tire-service equipment											1,135	887
Pumps for gasoline and oil.....number					97,706	127,632					3,972	3,282
Other service appliances											2,259	3,382
Automotive fire engines.....number		[10] 95	41	47	54	50		[10] 169	136	123	224	146
Trailers.....do		[1] 654	1,002	928	854	1,039		[1] 264	347	419	396	477
Airplanes, seaplanes, and other aircraft.....do	[3] 31	54	50	63	162	348	[3] 125	341	303	849	1,760	5,435
Engines for aircraft.....do		[1] 112	297	84	179	322		[1] 132	574	485	665	1,383
Aircraft parts and accessories, except tires							[3] 32	150	150	570	1,240	2,258
Cycles—												
Bicycles.....number		[1] 14,591	5,344	4,832	5,089	6,108	1,186	463	151	129	134	141
Motor cycles.....do		17,759	22,670	19,469	18,934	16,265		4,386	4,916	4,374	4,403	3,711
Parts and accessories, except tires								[1] 1,637	1,707	1,312	1,472	1,132
Motor boats with engines installed.....number	549	135	212	290	455	560	542	405	562	510	755	1,182
Internal-combustion marine engines, except Diesel—												
Detachable motors (outboard).....number	[3] 10,380	5,033	5,165	6,541	10,479	11,321	[3] 1,511	1,199	576	807	1,484	1,790
Other.....do			3,147	2,672	2,987	4,127			1,145	1,249	1,613	2,126

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[3] Average for years 1912–1914.
[10] Average for years 1923–1925.
[25] 1925 only.
[42] Mowers and reapers.
[43] Average for years 1921, 1922, and 1925.
[44] Up to $800 and $800 up to $2,000, respectively, prior to Jan. 1, 1928.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
F. Automobiles and other vehicles—Continued.												
Railway cars.												
Passenger service—												
Electric railway—number		[43] 1,137	89	91	94	95	[43] 3,237	[43] 1,584	674	632	1,026	750
Steam railway—do		143	249	216	275	315		1,347	1,324	1,605	1,480	2,887
Self-propelled railway and train cars—do						386	6,443					155
Freight cars—do		6,654	4,403	2,723	3,683	3,854		8,276	3,904	2,539	3,938	5,916
Mine cars—do		[1] 1,916	1,487	1,437	1,325	2,038		[1] 420	367	278	382	801
Air-brake equipment								[1] 698	1,224	1,161	1,121	979
Parts, except axles and wheels								5,506	5,077	3,766	3,370	5,397
Wagons and drays—number	[2] 20,505	8,389	5,489	4,624	7,051	5,554	[2] 1,280	705	657	421	501	541
Wheelbarrows—do		[1] 92,965	110,699	110,934	101,242	96,360	628	600	479	446	335	378
Pushcarts and hand trucks—do			12,434	12,005	15,550	11,000			232	231	301	221
Wheels, except automobile and car—thousands		[1] 184	199	100	102	95		[1] 204	200	253	292	276
Other vehicles and parts							4,557	3,618	4,050	2,986	3,776	3,064
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							46,632	107,564	125,222	132,251	137,331	152,109
A. Coal-tar products							103	9,900	14,093	17,097	14,113	18,060
Crudes—								2,501	5,513	6,665	4,963	8,537
Benzol—1,000 galls		9,730	19,137	25,794	21,338	33,346	103	701	853	3,256		
Crude coal tar and coal-tar pitch—1,000 bbls [18]	73	217	216	673							681	389
Crude coal tar—do					138	109						
Coal-tar pitch and coal-tar pitch coke—tons of 2,240 lbs					38,354	21,399					608	288
Other crude distillates—1,000 lbs		[1] 12,345	25,368	14,201	16,090	18,532		412	663	438	458	625
Intermediates—do		1,694	1,750	2,418	2,790	2,809		306	340	348	316	418
Finished products—												
Package dyes for household use—do					265	298					195	223
Other colors, dyes, stains—do		[1] 16,948	25,812	26,771	27,559	33,832		5,392	5,950	5,495	6,336	7,056
Medicinals—do		[1] 452	733	655	792	183		[1] 290	387	329	321	185
Other finished products—do		[1] 4,094	1,746	4,134	2,106	1,510		[1] 446	357	565	335	339
B. Medicinal and pharmaceutical preparations							6,801	16,061	19,677	20,103	20,522	21,282
Quinine sulphate and other salts of cinchona—1,000 oz		[1] 439	289	252	253	333		[1] 198	144	113	111	147
Milk of magnesia—1,000 lbs						691						294
Castor oil—gal						85,831						151
Cod-liver oil—do						46,070						117
White mineral oil—do					210,083	260,489					172	450

Biologics, antitoxins, serums, vaccines, etc.								[1] 781	1,439	1,730	1,886	2,530
Medicated plasters 1,000 lbs.								[16] 631	585	422	462	501
Medicinal preparations—												
For external use											4,079	4,316
For internal use											11,656	11,551
Other noncoal-tar preparations								[1] 15,601	17,509	17,839	2,166	1,225
C. Industrial chemical specialties							1,755	4,803	7,217	9,366	14,581	14,457
Nicotine sulphate 1,000 lbs.				2,297	93	251				641	90	218
Other tobacco extracts do.					2,294	2,039					513	349
Lead arsenate do.					1,094	1,564					141	192
Calcium arsenate do.					1,179	3,140					67	171
Other agricultural insecticides, etc. do.			13,190	4,396	6,305	7,977			2,722	498	663	843
Household insecticides, etc. do.				14,983	17,416	13,222				3,650	4,435	3,572
Baking powder do.	2,426	3,890	4,501	4,748	5,879	5,315	709	1,568	1,634	1,711	2,016	1,730
Petroleum jelly do.		[1] 8,136	5,095	5,275	6,404	7,073	[2] 599	1,216	899	869	839	926
Water softeners, purifiers, boiler and feed-water compounds 1,000 lbs.					2,814	3,264					285	304
Metal welding, soldering, and core compounds, fluxes, and hardeners 1,000 lbs.					1,733	2,240					240	336
Polishes—												
Metal and stove polishes do.		[1] 3,018	2,285	2,402	2,339	1,850	135	346	338	361	338	284
Shoe polishes do.		[1] 5,376	3,393	3,512	3,282	2,746		[1] 1,260	996	994	938	808
Leather dressings and stains do.					2,168	2,136					425	417
Floor wax, wood, furniture, and auto polishes 1,000 lbs.		2,887	3,500	3,380	2,413	2,838	671	665	628	979	554	691
Other chemical specialty compounds, n. e. s.											2,987	3,526
D. Industrial chemicals							12,748	25,165	23,647	26,016	25,501	28,148
Acids and anhydrides—												
Sulphuric 1,000 lbs.	7,957	10,468	9,224	7,512	7,000	6,960	82	204	174	166	146	142
Boric (boracic) do.					3,382	5,204					190	180
Other acids and anhydrides do.		[1] 14,268	16,382	14,252	12,431	15,254	362	984	830	789	693	942
Alcohols—												
Menthanol [46] 1,000 galls.	1,658	788	417	311	524	498	718	732	312	263	375	403
Glycerin 1,000 lbs.		1,963	768	693	2,052	1,374		325	192	144	259	198
Other alcohols do.					2,949	2,126	44	721	235	467	403	290
Acetone do.					4,959	7,897					427	708
Formaldehyde (formalin) do.		[1] 2,744	2,387	2,236	2,368	2,588		320	228	207	199	225
Acetate, amyl, ethyl, butyl, etc. do.					842	698					141	156
Nitro or aceto cellulose solutions, collodion, etc. 1,000 lbs.					1,505	2,111					381	625
Ammonium compounds (except sulphate and anhydrous ammonia) 1,000 lbs.		[1] 5,124	4,878	4,338	2,679	1,746		[1] 934	675	561	138	102
Aluminum sulphate do.		[1] 33,900	44,063	42,257	45,426	53,176		[1] 452	521	491	552	608
Other aluminum compounds do.					837	549					86	65

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[16] Average for years 1924–25.
[18] Of 500 pounds.
[46] Data prior to 1922 are "cars for railways other than steam."
[46] "Wood and denatured alcohol" prior to 1924.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 8.—CHEMICALS, ETC.—Continued.												
D. Industrial chemicals—Continued.												
Calcium compounds—												
Acetate of lime, 1,000 lbs.	70,371	22,598	18,559	11,634	11,173	101	1,681	644	626	400	373	7
Calcium carbide, do.	31,101	9,482	4,534	4,873	3,746	4,345	868	452	184	197	173	186
Chlorinated lime or bleaching powder, do.		27,467	20,858	16,687	21,870	5,024		508	388	311	370	128
Calcium chloride, do.						30,851						363
Other, except arsenate and cyanide, do.					17,526	4,145					504	199
Copper sulphate (blue vitriol)	5,896	4,050	4,799	6,207	8,667	6,420	268	206	231	321	455	368
Dextrine or British Gum		[1] 19,329	22,200	24,659	21,391	20,828		[1] 773	906	1,002	929	983
Hydrogen peroxide (or dioxide), do.						2,238						383
Potassium compounds, n. e. s., do.		[1] 7,156	3,356	3,930	5,237	3,784		465	319	488	609	614
Sodium compounds, n. e. s., do.		[1] 355,100	348,038	391,645	542,350	705,198		8,725	8,427	9,672	11,624	12,388
Bichromate and chromate, do.		[25] 7,299	8,527	8,906	8,602	5,855		[25] 445	531	563	561	397
Cyanide, do.		[1] 3,014	1,883	1,299	1,522	1,816		[1] 368	305	213	242	274
Borate (borax), do.		25,979	28,610	73,908	135,703	152,768		1,176	1,257	2,422	3,454	2,935
Carbonate (soda ash, sal soda), 1,000 lbs.		43,055	52,186	53,544	6,662	90,404		936	1,096	1,141	1,241	1,530
Silicate (water glass), do.		31,249	48,345	54,986	59,326	66,735		305	396	432	642	617
Hydroxide (caustic soda, lye), do.		100,872	103,295	100,389	119,415	122,045		3,400	3,112	2,994	3,488	3,566
Bicarbonate (acid soda or baking soda), 1,000 lbs.		15,403	19,339	18,287	18,711	18,947		344	373	338	345	357
Sulphate, do.						3,332						53
Modified soda, do.						14,994						425
Other sodium compounds, n. e. s., do.		[1] 112,520	83,854	79,826	132,319	221,300		2,180	1,357	1,569	1,651	2,234
Tin compounds, do.					591	658					201	207
Zinc compounds (except oxide), do.					3,377	3,423					152	154
Gases, compressed and liquefied—												
Ammonia, anhydrous, do.					1,908	2,329					315	374
Chlorine, do.					5,493	7,168					236	257
Oxygen, do.					497	883					77	112
Other gases, n. e. s., do.					1,882	2,354					288	315
Other industrial chemicals							8,725	9,151	9,400	10,528	5,205	6,407

E. Pigments, paints, and varnishes							6,802	14,765	19,254	21,319	25,614	29,113
Mineral earth pigments, ocher, umber, sienna, and other forms of iron oxides, 1,000 lbs.		[1] 28,944	31,955	37,292	38,733	41,960		[1] 925	1,006	1,125	1,084	863
Chemical pigments—												
Zinc oxides, do.	29,608	10,517	29,323	28,989	20,598	35,275	1,104	775	1,917	1,822	1,850	2,302
Lithopone, do.		[1] 2,655	3,881	4,220	6,652	9,112		146	200	223	338	463
Bone black and lampblack, do.		[1] 33,637	3,529	3,016	3,751	3,201	926	3,175	242	189	219	185
Carbon black, do.			39,210	54,431	77,903	91,829			3,623	4,600	6,794	8,271
Red lead and litharge [47]		2,325	1,550	2,858	4,168	5,780		236	175	271	305	503
White lead, do.	[2] 16,291	10,832	12,478	12,095	12,953	11,815	[2] 979	944	1,119	947	952	922
Other chemical pigments, do.		[1] 5,640	5,576	4,074	5,270	7,356		716	707	531	747	1,087
Paints, stains, and enamels—												
Roofing paints (liquid or plastic), 1000 gals.					1,412	1,385		[10] 275	366	411	725	812
Enamel paints, do.			432	479	642	677		[1] 592	1,147	1,213	1,595	1,726
Lacquers [48] do.					557	558					1,392	1,695
Kalsomine or cold-water paints, 1,000 lbs.						7,674						429
Ship-bottom paints, anticorrosive and anti-fouling, 1,000 gals.					56	65					111	117
Other ready-mixed paints, do.		[1] 1,861	2,208	2,634	2,697	3,043	[2] 1,154	3,069	4,590	5,378	5,294	5,605
Stains, paste, paint, and other, 1,000 lbs.		[1] 10,378	9,973	9,968	8,382	5,378	2,828	2,168	2,120	1,999	1,553	1,187
Varnishes—												
Oil, 1,000 gals.	1,111	890	631	482	435	509	1,090	1,587	1,128	870	782	854
Other varnishes [45] do.			476	802	412	364			912	1,740	588	513
Paint specialties											1,223	1,510
F. Fertilizers and fertilizer materials, tons of 2,240 lbs.	1,289,319	1,028,151	1,102,782	1,271,043	1,218,888	1,534,295	10,735	17,472	20,040	17,724	16,095	20,441
Nitrogenous fertilizer materials—												
Sulphate of ammonia, do.		129,026	181,125	138,692	93,015	144,761		7,924	9,824	6,827	4,373	6,296
Other nitrogenous materials, do.		[1] 6,614	9,639	8,951	7,772	24,358		[1] 338	566	492	324	1,230
Phosphate materials—												
Phosphate rock—												
High-grade hard rock, do.		117,793	103,572	128,774	89,702	67,474		2,343	1,196	889	616	473
Land pebble and other, do.	1,230,571	616,033	645,391	789,437	809,062	1,075,272	9,130	3,607	3,240	3,843	3,837	4,914
Superphosphates (acid phosphates), do.		36,938	64,452	107,507	88,613	85,118		516	937	1,615	1,511	1,489
Potash fertilizer materials, do.						13,868						583
Prepared fertilizer mixtures, do.		[1] 24,532	26,439	14,720	26,414	33,508		[1] 1,187	1,009	618	936	1,796
Other fertilizers, do.	58,748	43,445	72,164	82,962	104,260	89,936	1,605	1,862	3,268	3,441	4,498	3,660
G. Explosives, fuses, etc							1,747	3,892	4,223	3,455	5,185	4,549
Explosives—												
Smokeless powder, 1,000 lbs.	1,154	1,349	614	236	1,998	949	328	559	453	168	1,608	853
Other gunpowder, do.			672	484	587	430			163	179	159	132
Blasting powder, do.		[1] 2,458	1,694	2,957	3,329	1,711		[1] 216	126	226	228	117
Dynamite, do.	13,396	14,560	16,221	12,110	15,501	16,277	1,419	2,270	2,331	1,808	2,171	2,228
Other explosives, do.		[1] 1,072	921	767	466	322		[1] 224	277	136	83	84
Fuses and blasting caps—												
Safety fuses, 1,000 lin. ft.			83,710	91,191	95,698	113,352		407	515	564	589	724
Electric and other blasting caps, 1,000 caps.			66,617	33,989	31,541	22,169		[1] 331	358	373	346	411

[1] Average for years 1922-1925.
[2] 1925 only.
[3] Average for years 1913-14.
[47] "Red lead" prior to Jan. 1, 1927.
[10] Average for years 1923-1925.
[48] "Other varnishes" includes "Lacquers" prior to Jan. 1, 1928.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 8.—CHEMICALS, ETC.—Continued												
H. Soap and toilet preparations							5,941	15,505	17,089	17,170	15,721	16,060
Soap—												
Toilet and fancy ..... 1,000 lbs.		[1] 6,768	8,975	8,187	7,237	6,586	1,867	2,784	3,038	2,802	2,299	1,984
Laundry ..... do.	52,199	76,213	60,767	56,229	47,617	47,344	2,487	5,821	4,120	3,878	3,377	3,193
Powdered and flaked ..... do.						2,322						231
Scouring soaps and powders ..... do.	8,262	4,206	4,935	5,493	5,821	10,682	378	248	274	317	363	736
Shaving soaps (creams, powders, and sticks) ..... do.						1,060						537
Other ..... do.			13,625	12,992	9,022	6,547			1,245	1,183	827	597
Perfumery and toilet waters								[1] 482	391	374	460	380
Talcum and other toilet powders ..... 1,000 lbs.		[1] 3,539	3,289	3,254	3,137			[1] 1,660	1,727	1,621	1,606	1,592
Creams, rouges, and other cosmetics ..... do.		[1] 2,256	2,889	2,957	3,568			[1] 1,144	1,624	1,707	1,868	2,048
Dental creams ..... do.			3,119	3,328	2,942	2,955			3,021	3,357	2,669	2,532
Other dentifrices ..... do.		[1] 3,374	491	697	621	822		[1] 2,712	359	383	331	369
Other toilet preparations ..... do.		[1] 1,757	1,760	2,001			1,209	1,854	1,281	1,548	1,893	1,861
GROUP 9.—MISCELLANEOUS												
Total							59,005	118,842	132,904	134,938	142,387	163,562
A. Photographic and projection goods							7,984	17,802	19,419	19,812	21,476	31,564
Cameras ..... thousands		[1] 206	437	474	460		[8] 679	1,226	1,621	2,461	2,424	2,982
Motion-picture projectors ..... number		[1] 1,238	1,943	3,042	5,955	633		[1] 302	521	641	950	805
Stereopticons, magic lanterns, and other projection apparatus						4,300						
Parts of cameras, except lenses								[1] 202	295	473	308	8,492
Motion-picture films—								[1] 369	702	892	574	364
Sensitized, not exposed ..... 1,000 lin. ft.	[8] 113,936	55,875	41,437	49,512	75,015	72,769	[8] 5,797	1,296	1,033	1,354	1,727	1,501
Exposed ..... do.		167,127	220,628	232,105	222,123	282,215		7,048	7,731	7,231	6,474	7,623
Negatives ..... do.		[1] 8,690	6,601	9,449	7,712	8,443		[1] 1,253	1,335	1,456	1,221	1,121
Positives ..... do.		[1] 164,999	214,027	222,656	214,411	273,772		[1] 5,928	6,396	5,776	5,253	6,502
Other sensitized films, not exposed ..... thousands		[1] 21,867	23,457	20,940	20,562	21,326	[8] 2,065	4,144	4,371	3,500	4,403	4,217
Dry plates ..... 1,000 doz.		[1] 651	1,000	664	805	983		[1] 430	526	370	471	539
Photographic paper ..... 1,000 lbs.		[1] 1,567	1,830	1,914	1,925	2,364		[1] 1,477	1,471	1,576	2,014	2,445
Other photographic apparatus and supplies (including unsensitized picture films)							[8] 797	1,864	1,149	1,314	2,133	1,996
B. Scientific and professional instruments, apparatus, and supplies							4,645	9,584	11,294	11,086	11,108	12,423
Optical goods—												
Spectacles, eyeglasses, and parts of								[1] 438	893	924	927	1,391
Lenses, not fitted to instruments ..... thousands		[1] 2,719	4,959	4,302	3,483	631		[1] 554	742	694	465	121
Other optical goods							[8] 798	1,067	1,715	1,404	1,172	1,272

Dental instruments and supplies (except medicinal)								2,473	614	1,429	1,508	1,663	1,475
Teeth—thousands		[1] 12,773	31,568	32,305	24,728	25,702			607	1,352	1,475	1,305	1,268
Dental office equipment									[1] 1,097	612	628	650	1,025
Surgical and medical instruments								[2] 215	354	518	534	486	498
Surgical appliances, artificial limbs, crutches, trusses, etc								[2] 1,131	2,469	379	359	481	545
Surveying and engineers' instruments									[1] 293	440	429	418	476
Other scientific, laboratory, and professional instruments and apparatus								1,315	2,567	3,215	3,129	3,542	4,352
C. Musical instruments								6,125	10,354	15,978	17,673	18,131	18,931
Pianos—													
Player pianos—number	6,962	9,252	17,976	14,242	6,792	3,951	1,583		2,945	5,156	4,068	2,061	1,183
Other pianos—do		5,729	5,055	3,447	2,823	3,116			1,400	1,128	744	620	706
Player-piano actions and parts of							489		238	455	515	430	287
Other piano actions and parts of									[1] 165	174	187	170	177
Perforated music rolls—thousands		[1] 516	413	264	214	140	[2] 143		271	212	123	97	62
Organs—number	9,107	1,487	1,416	1,686	1,283	1,641	657		175	221	387	502	317
Phonographs—do		62,320	103,759	144,874	230,310	282,144	2,641		2,267	3,281	5,278	7,198	7,860
Phonograph records—thousands		[1] 3,265	5,538	6,901	9,731	9,896			1,630	2,223	3,106	3,780	4,336
Band instruments—number		[1] 9,577	17,813	17,153	16,739	14,336			[1] 317	638	690	705	586
String instruments—do		[1] 42,368	105,929	59,458	46,126	42,494			[1] 195	443	328	274	273
Other musical instruments, parts, and accessories								698	1,385	2,047	2,247	2,286	3,144
D. Miscellaneous office supplies								2,005	7,118	8,320	8,641	9,979	10,331
Pencils and pens—													
Refillable pencils and pencil leads [49]								497	2,045	819	711	851	835
Other pencils [50]—1,000 doz			6,557	5,780	5,774	6,785				1,325	1,197	1,116	1,260
Metallic pens except gold—1,000 gross		273	443	372	334	353		325	148	217	184	175	184
Fountain pens—doz		37,824	79,595	80,596	138,088	151,973			575	1,340	1,483	1,846	1,812
Writing ink									[1] 234	209	195	352	216
Printer's and lithographic ink—1,000 lbs		[1] 10,119	10,895	10,816	11,869	11,306	405		1,169	1,439	1,304	1,528	1,466
Other ink—do		[1] 452	585	767	763	634	211		2,217	219	283	292	278
Paste and mucilage—do		[1] 2,679	3,335	3,419	3,308	3,620	257		307	373	327	355	358
Carbon paper—do		[1] 889	1,111	1,189	1,342	1,479	[2] 446		658	843	880	963	1,065
Typewriter ribbons—dozens			208,796	217,156	223,705	252,311	[2] 247		530	637	658	663	718
Paper clips and binders, penholders, inkstands, and other office supplies							[3] 81		1,272	1,399	1,421	1,839	2,139
E. Toys, athletic and sporting goods								1,388	3,560	3,946	4,435	4,912	5,643
Toys—													
Dolls and parts of									214	163	191	224	228
Toy wheel goods and parts of											735	782	821
Mechanical toys									129	124	170	193	273
Other toys, except rubber								993	1,710	1,684	1,439	1,517	1,537

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[3] Average for years 1912–1914.

[49] "Refillable pencils" prior to 1925.
[50] "Other pencils and pencil leads" prior to 1925.

No. 547.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 9.—MISCELLANEOUS—Continued												
E. Toys, athletic and sporting goods—Continued.												
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, and tackle								[1] 294	304	323	383	470
Golf, tennis, foot, basket, and baseballs								[1] 162	227	207	229	253
Other athletic and sporting goods, except shoes, clothing, and firearms							[2] 658	1,022	1,126	940	1,073	1,481
Amusement-park and playground devices								[16] 301	318	431	512	580
F. Firearms and ammunition							6,806	5,050	6,284	6,022	5,540	6,186
Firearms and ordnance—												
Revolvers and pistols—number		[1] 46,045	59,394	52,841	74,204	59,880		633	928	915	1,290	1,055
Rifles—do		[1] 91,382	[61,335	61,520	43,285	55,416		1,034	[657	724	588	900
Shotguns—do			[62,785	63,023	52,218	58,887	3,212		[517	510	484	512
Machine and heavy ordnance guns and carriages—number		[1] 659	1,315	525	285	617		197	460	185	87	348
Ammunition—												
Shot shells—1,000 lbs		[10] 3,018	3,568	3,683	3,035	2,829		[16] 780	973	961	798	734
Metallic cartridges [51]—do		5,600	4,707	4,253	4,169	4,585	2,732	2,436	2,416	1,994	2,027	2,212
Explosive shells and projectiles—do		[1] 481	66	328	101	147		150	22	215	17	76
Other, including fireworks—do		[1] 402	651	1,367	590		862	288	309	518	249	349
G. Books, maps, pictures, and other printed matter							9,194	19,856	21,934	24,185	24,249	27,120
Books and pamphlets									[11,221	11,912	11,824	13,607
Maps and charts									276	227	206	280
Music in books and sheets									358	347	361	379
Souvenir post cards							8,903	13,561	213	211	188	252
Lithographically printed matter, except post cards and maps									[3,053	4,118	3,182	2,851
Playing cards—1,000 packs		[1] 7,492	6,615	6,361	6,525	5,790	291	802	688	705	752	706
Other printed matter								[1] 6,866	6,124	6,665	7,737	9,045
H. Clocks and watches							3,176	3,180	3,228	3,598	3,628	3,583
Clocks—												
One-day alarm clocks—thousands		[1] 664	519	608	607	565		[1] 823	695	751	687	681
Mantel and novelty clocks—do			82	75	67	49			312	275	265	202
Wall clocks—do			25	25	24	20			167	158	133	123
Other clocks and parts							1,593	1,343	403	359	356	352
Watches—thousands			576	827	832	723			[1,043	1,049	1,062	896
Without jewels—do			520	767	771	676	1,583	1,179	521	541	534	468
With jewels—do			56	59	61	47			522	508	528	428
Parts of watches									608	630	680	714
Time-recording devices and parts of										376	446	615

I. Art works—Painting and statuary							985	902	1,416	1,371	1,503	2,917
J. Miscellaneous, n. e. s.							16,697	40,931	40,584	38,116	41,860	44,864
Composition roofing—												
Asphalt roofing	1,000 squares		938	854	935	829	1,135	1,782	[1,212	1,151	1,251	1,102
Asbestos roofing	do	[1] 1,028	95	68	67	92			559	509	446	600
Other roofing	do		144	129	96	94			295	284	199	184
Billiard tables and accessories								364	397	351	427	398
Buttons—												
Pearl or shell	1,000 gross	[1] 500	351	396	455	242	652	177	141	128	136	83
Other buttons	do	[1] 1,634	1,416	1,697	1,419	1,231		560	405	361	309	321
Lamps and illuminating devices, except electric—												
Incandescent mantles	1,000 doz	[16] 194	231	202	241	317	2,747	165	180	145	202	247
Lanterns	thousands		3,631	2,772	2,366	[2] 206		3,431	2,445	1,888	1,644	1,226
Lamps, other than electric	do					376						527
Other lighting devices, except glass									449	360	392	431
Matches	1,000 lbs	[1] 1,062	583	631	1,087	1,131	86	215	103	95	135	138
Chemical fire extinguishers (hand)	number	[1] 45,315	34,971	28,558	48,568	37,573	[2] 90	335	351	343	358	355
Fly paper, traps, and swatters							180	191	155	148	95	90
Pyroxylin products, known as celluloid, pyralin, viscoloid, fiberloid, etc.—												
Sheets, rods, tubes	1,000 lbs	2,909	2,323	1,530	3,147	3,945	1,589	2,998	1,712	1,303	2,264	2,190
Manufactures	do		2,191	1,039	869	1,022			2,085	1,175	1,095	1,136
Brushes—												
Toilet brushes	doz	396,214	272,280	209,971	204,016	352,658	598	1,043	728	706	702	834
Paint brushes	do		64,851	61,190	70,176	78,041			222	193	200	212
Other brushes	do		195,031	189,631	157,428	189,711			398	320	286	256
Plates and cuts, electrotype, stereotype, halftone, lithographic, or engraved	1,000 lbs		[1] 330	337	464	422	387	76	385	402	482	484	472
Umbrellas and parasols	thousands		[1] 121	99	117	90	78	[2] 36	194	167	185	167	140
Candles	1,000 lbs	2,967	1,821	1,253	1,140	1,032	1,066	274	284	255	263	238	256
Notions							78	1,989	2,301	1,913	1,913	2,175
Refrigerators	number		[1] 10,883	20,763	16,380	13,892	17,906	[2] 316	380	1,444	697	579	775
Soda-fountain equipment								[16] 209	353	351	538	619
Shoe findings—												
Heels and counters, except rubber	1,000 lbs		563	494	665	471	65	1,635	147	123	185	139
Other									1,300	1,243	1,532	1,517
Trunks	number	[19] 20,967	27,415	29,547	29,655	35,317		[19] 400	497	533	621	661
Coin-operated scales	do					1,238						203
Coin-operated commodity-vending machines	number					8,610						381
Other coin-operated machines (except musical)	number					5,324						334
Household and personal effects							7,655	12,506	13,290	13,945	9,349	18,544
All other articles							1,386	11,973	8,593	8,921	16,114	8,318

[1] Average for years 1922–1925.
[2] Average for years 1913–14.
[8] Average for years 1912–1914.
[19] Average for years 1923–1925.
[16] Average for years 1924-25.
[21] "Cartridges loaded" prior to 1924.

No. 548.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years except for 1910–1914, which are for years ended June 30. Figures for 1910–1914 and 1921–1925 are annual averages. A greater number of items are shown separately beginning about 1912 and 1922, and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data. For 1929, a small item, "Articles ordinarily dutiable, imported free" is not shown separately, but is included in the total for each group.

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
Total imports of merchandise							1,668,874	3,450,103	4,430,888	4,184,742	4,091,444	4,399,361
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							42,105	88,635	114,772	134,884	139,103	143,791
A. Animals, edible												
Cattle—1,000 head	397	178	221	445	536	505	7,590	5,924	9,153	21,104	22,104	22,269
Sheep—head	88,468	63,200	42,146	28,598	21,802	27,480	7,219	5,266	0,204	16,450	21,576	21,616
Poultry, live—1,000 lbs.		[1] 1,700	2,108	1,630	1,505	1,503	371	405	296	225	188	242
Hogs—do			17,931	35,884	3,620	614		[1] 351	472	388	380	356
									2,181	4,041	319	55
B. Meat products—do		67,805	93,069	148,758	183,249	203,541	7,702	19,291	28,701	34,902	35,632	40,693
Beef, fresh—do		24,480	16,213	35,082	50,181	37,870		2,696	1,697	4,339	5,553	4,340
Veal, fresh—do			3,893	7,492	8,139	5,012			576	1,098	1,396	835
Pork, fresh—do		3,131	9,156	14,524	7,311	4,125		579	2,034	2,897	1,495	755
Mutton, fresh—do		9,540	946	494	826	1,664			82	38	74	137
Lamb, fresh—do			2,419	2,151	2,442	3,146		1,339	421	308	442	547
Other fresh meats—do		2,547	1,769	5,212	5,787	4,839		774	277	603	871	661
Poultry, dead—do		[1] 2,494	6,027	3,628	5,856	5,197	5,067	[1] 877	2,030	1,012	1,564	1,525
Poultry, prepared—do			465	581	477	553			295	361	289	372
Canned meats—do			22,784	35,669	55,156	89,932			2,743	4,311	6,644	11,433
Beef and veal, pickled or cured—do					15,133	14,347					1,832	1,823
Pork, ham, shoulders, bacon—do		9,858	10,862	23,168	8,469	9,362		1,396	2,054	4,014	1,001	1,256
Pork, pickled, salted and other—do					2,540	2,079					902	802
Other meats, prepared or preserved—do					2,516	2,311					984	988
Sausage casings—												
Sheep, lamb, and goat—do		16,752	18,534	6,808	5,934	6,584	2,635	11,980	16,493	9,557	8,741	10,810
Other casings				13,857	11,982	16,520				6,275	3,845	4,609
C. Animal oils and fats, edible—do					2,426	2,185					239	193

D. Dairy products							10,847	28,114	34,245	36,964	34,228	30,414
Cream, 1,000 gals.	1,441	7,660	5,374	4,843	3,621	2,970	1,198	5,511	8,051	7,606	5,898	5,194
Milk, do			7,412	4,593	5,632	4,246			1,252	779	997	795
Milk, condensed and evaporated—												
Unsweetened, 1,000 lbs.		9,049	1,320	2,117	1,478	2,014	285	1,193	129	179	112	174
Sweetened, do			343	505	1,131	620			36	41	94	60
Milk powder, do			5,224	6,828	3,895	4,186			673	897	664	769
Cream powder, malted milk, etc, do			2,488	905	1,164	1,048			221	90	109	104
Butter, do	2,480	15,175	8,029	8,460	4,659	2,773	568	5,645	2,799	2,872	1,659	1,036
Cheese, do	49,220	51,888	78,417	79,796	81,403	76,382	8,795	15,764	21,084	24,500	24,695	22,282
E. Fish, 1,000 lbs.	202,986	290,538	324,139	321,421	373,883	369,560	15,483	29,274	34,343	35,428	38,542	39,772
Fish, fresh, frozen, or packed in ice—												
Salmon, do		8,963	5,444	6,061	6,254	4,414		981	646	670	716	581
Fresh-water fish and eels, do		[1] 39,340	48,886	53,055	53,349	57,102		[1] 3,346	4,806	5,049	5,302	5,691
Cod, haddock, hake, and pollock, do		[1] 1,043	964	728	830	1,036		[1] 50	46	35	37	67
Halibut, do		11,614	5,719	4,014	4,358	5,811		1,473	747	479	491	732
Mackerel, do		[1] 5,740	2,853	2,154	2,169	1,623		[1] 394	159	152	146	97
Herring, frozen, do		[2] 1,823	1,428	2,121	2,665	1,755		[2] 92	68	108	207	91
Smelts, do		[3] 6,819	9,099	6,716	8,801	6,952		[3] 923	1,186	931	1,210	1,006
Tuna fish, do		[2] 7,739	9,899	32,485	30,351	50,695		[2] 356	526	1,640	1,853	2,631
Herring, fresh sea, do			46,254	16,960	54,331	36,621			420	133	344	260
Other fresh fish, n. s. p. f, do	53,280	58,796	8,370	10,867	8,623	7,913	2,366	3,513	1,164	1,211	902	851
Fish, cured or preserved—												
Salmon, cured, do		[1] 2,330	4,497	2,441	1,904	1,872		[1] 365	669	376	308	382
Cod, dried[4], do	30,286	38,979	36,808	32,878	32,479	28,798	1,575	2,776	2,794	2,263	2,708	2,690
Herring, do	79,853	47,709	36,205	43,074	48,470	45,837	2,984	2,701	2,195	2,732	3,146	2,867
Mackerel, do	29,850	13,792	10,751	12,023	8,161	7,991	1,578	1,129	648	788	570	617
Caviar and other fish roe, do		[1] 3,305	793	730	830	746		[1] 700	608	638	1,082	818
Fish, skinned or boned, n. e. s, do			4,763	5,156	3,267	992			568	569	368	135
Packed in oil, etc. (except shellfish)—												
Sardines, do		25,317	26,216	26,761	29,329	31,245	2,699	4,639	4,500	5,235	5,139	5,521
All other, do			9,182	5,695	5,131	5,119			1,796	1,388	1,350	1,312
Hake and pollock and other dried, do			8,206	5,838	7,472	7,109			920	709	826	782
Other fish, pickled, salted, smoked, etc, do		29,205	23,512	25,660	34,834	34,210	2,102	3,185	2,220	2,588	2,775	2,812
Shellfish—												
Lobsters, other than canned, do	8,602	6,770	6,537	6,369	6,538	8,629	1,303	1,363	1,556	1,660	1,721	2,231
Lobsters, canned, do		1,738	1,702	1,780	1,606	1,490		1,035	1,136	1,018	1,005	937
Other shellfish, crabs, shrimps, and turtles, do			7,562	8,862	9,205	10,660	697	876	1,129	1,272	1,295	1,549
Shrimps and shellfish, n. s. p. f, do					8,548	9,824					1,242	1,499
Crabs and turtles, do					747	836					53	50
Crab meat, do	[5] 2,787	4,937	8,303	8,984	12,775	10,937	[5] 450	1,956	3,770	3,784	5,042	5,112

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
Average for years 1921 and 1924–25.
[4] "Cod, haddock, hake, and pollock" prior to Sept. 22, 1922.
[5] Average for years 1913–14.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE—continued												
F. Other edible animal products												
Eggs—							483	7,034	8,330	6,484	7,999	10,943
Eggs of poultry in shell, 1,000 doz.	2,149	1,097	208	250	286	308	356	313	104	75	83	91
Whole eggs, dried, 1,000 lbs.			677	962	1,835	1,642			358	501	1,017	892
Whole eggs, frozen, prepared, etc., do.	999	18,763	9,392	2,774	11,124	9,180	127	3,726	1,020	493	1,750	1,585
Yolks, dried, do.			4,398	3,525	4,464	6,606			1,486	1,588	1,999	3,128
Yolks, frozen, prepared, etc., do.			4,161	2,778	3,029	4,401			755	469	600	1,044
Egg albumen, dried, do.		6,107	3,499	2,960	2,371	4,011		2,429	2,450	1,703	1,229	1,819
Egg albumen, frozen, prepared, etc., do.			3,611	2,341	650	189			510	346	100	25
Meat extract, do.		[2] 237	433	533	580	795		[2] 222	547	769	795	936
Gelatin, edible, do.		[1] 3,111	2,421	2,741	1,896	3,107		[1] 720	495	541	425	723
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							174,142	233,243	300,226	345,321	377,935	391,872
A. Hides and skins, raw (except furs), 1,000 lbs.	530,911	429,956	368,578	447,143	506,008	515,659	104,581	93,067	96,811	112,846	160,810	137,281
Cattle hides [6], do.	261,293	229,808	150,452	237,284	276,176	265,579	42,469	33,593	22,082	41,360	63,694	42,599
Dry or dry salted (over 12 lbs.), 1,000 pieces		1,174	638	845	1,003	536		4,261	2,229	4,275	6,238	2,780
Dry or dry salted (over 12 lbs.), 1,000 lbs.		24,885	11,851	18,278	21,620	12,049						
Wet salted (over 25 lbs.), 1,000 pieces		3,901	2,816	4,298	5,092	4,972		29,332	19,863	37,085	57,456	39,819
Wet salted (over 25 lbs.), 1,000 lbs.		204,922	138,601	218,955	254,556	252,930						
Buffalo hides [6]—												
Dry or dry salted, 1,000 pieces		121	131	191	264	121		385	546	856	1,561	697
Dry or dry salted, 1,000 lbs.		2,107	2,599	4,083	5,646	3,115						
Wet salted, 1,000 pieces		[1] 26	6	9	2	2		[1] 203	48	68	26	14
Wet salted, 1,000 lbs.		[1] 1,043	221	303	137	73						
Kip and calf skins, do.	83,518	44,416	45,201	44,070	45,336	56,145	21,665	10,560	11,590	13,109	16,105	16,400
Kip skins—												
Dry and dry salted (6 to 12 lbs.), 1,000 pieces		[1] 410	162	181	332	130		[1] 703	312	467	1,132	361
Dry and dry salted (6 to 12 lbs.), 1,000 lbs.		[1] 3,962	1,481	1,734	3,158	1,263						
Wet salted (12 to 25 lbs.), 1,000 pieces		[1] 377	277	336	478	595		[1] 1,268	855	1,171	2,101	2,053
Wet salted (12 to 25 lbs.), 1,000 lbs.		[1] 6,337	4,580	5,153	7,556	9,762						
Calfskins—												
Dry and dry salted (less than 6 lbs.), 1,000 pieces		2,858	3,104	2,645	2,395	2,981		3,410	3,787	3,603	3,720	3,855
Dry and dry salted (less than 6 lbs.), 1,000 lbs.		11,798	9,047	6,933	6,374	7,488						
Wet salted (less than 12 lbs.), 1,000 pieces		3,017	4,046	3,810	3,769	5,020		5,568	6,636	7,868	9,152	10,131
Wet salted (less than 12 lbs.), 1,000 lbs.		24,401	30,094	30,249	28,247	37,632						
Horse, colt, and ass hides, do.	14,865	11,433	13,613	10,876	13,462	13,970	2,409	1,245	1,477	1,444	2,371	1,544
Dry and dry salted, 1,000 pieces		301	271	152	300	87		654	638	507	1,010	266
Dry and dry salted, 1,000 lbs.		4,847	4,767	2,580	4,458	1,756						

Wet salted	1,000 pieces		173	237	224	265	285		592	840	937	1,361	1,278
	1,000 lbs		6,586	8,846	8,296	9,004	12,214						
Sheep and lamb skins	do	65,077	61,246	59,138	57,349	83,177	65,478	11,025	15,220	18,148	16,148	20,731	21,905
Wooled, dry and green	1,000 pieces		[1] 5,448	3,715	3,010	2,514	3,541		[1] 4,374	3,258	2,873	2,745	3,741
	1,000 lbs		[1] 16,396	13,022	12,045	9,854	13,989						
Slats, dry, no wool	1,000 pieces		[1] 20,653	19,504	4,982	5,340	6,091		[1] 14,206	15,082	3,885	4,169	5,761
	1,000 lbs		[1] 47,075	45,005	10,877	10,326	13,994						
Pickled skins	1,000 pieces		698	548	14,466	17,755	16,207		447	451	9,390	13,817	12,403
	1,000 lbs		1,798	1,111	34,427	42,997	37,495						
Goat and kid skins	do	95,822	72,760	87,605	81,304	90,804	100,109	24,575	29,629	39,084	35,488	41,740	47,500
Dry and dry salted	1,000 pieces		39,456	49,013	44,647	47,822	54,338		26,752	35,643	32,058	37,050	42,878
	1,000 lbs		60,186	73,578	67,266	73,116	83,830						
Green or pickled	1,000 pieces		3,823	4,469	4,365	5,660	5,794		2,877	3,441	3,430	4,690	4,622
	1,000 lbs		12,575	14,027	14,037	17,688	16,279						
Kangaroo and wallaby	1,000 pieces		769	747	748	728	740	[5] 809	726	661	666	688	655
	1,000 lbs	[5] 1,213	863	901	876	858	798						
Deer and elk	1,000 pieces			1,089	913	903	954			937	866	656	723
	1,000 lbs			2,750	2,493	2,456	2,406						
Reptile skins, raw	do						1,399						2,980
Other hides and skins	do	9,848	6,693	6,098	8,555	7,958	6,087	2,115	1,586	1,583	2,841	3,239	2,204
B. Leather								8,531	15,261	28,622	37,436	43,238	44,559
Upper leather—													
Reptile leather (tanned reptilian skins)	1,000 lbs						276						4,347
Cattle, grains, and finished splits									[1] 236	177	1,335	1,907	745
Calf and kip	1,000 sq. ft		[1] 11,991	20,210	32,096	26,622	39,810		2,895	6,881	9,967	9,228	12,848
Sheep and lamb, upper and lining	do		[1] 3,962	3,093	2,589	2,814	2,061		382	513	518	579	421
Goat and kid, including glazed	do		[1] 1,496	6,734	6,785	9,201	14,718	900	472	3,321	3,524	4,326	6,507
Lining leather (calf and kip only)	do			13,668	22,978	26,907	25,745			2,074	3,575	4,697	3,755
Patent	do		[1] 3,131	4,945	7,278	5,815	3,948		770	1,607	2,802	2,474	1,203
Other upper leather	do		[1] 12,766	3,707	1,799	2,860	799		1,975	1,137	1,706	3,567	308
Sole leather	1,000 lbs		4,850	7,774	10,257	9,004	6,194	[7] 2,102	1,769	2,352	3,435	4,267	2,498
Glove leather	1,000 sq. ft		[1] 429	272	204	179	182	[7] 2,126	158	108	65	65	59
Seal, sheep, and calf leather (other than shoe), dressed and finished	1,000 sq. ft			3,580	2,868	1,781	1,911			1,147	948	572	590
Leather cut into shoe parts							13,614		[1] 530	675	467	627	505
Rough tanned leather	1,000 lbs			10,455	13,450	12,430		2,078	2,427	5,976	6,415	7,961	7,311
Skins for morocco tanned but unfinished	1,000 lbs					843	294					925	330
Rough tanned leather, n. s. p. f.	do					11,582	13,320					7,030	7,481
Harness leather	do		1,069	997	1,195	1,682	2,317		[8] 426	379	473	853	980
Other leather								3,015	3,612	2,274	2,205	2,126	1,922

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[5] Average for years 1913–14.
[6] Cattle hides include buffalo hides in 1910–1914.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.

No. 548.—General Imports of Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
C. Leather manufactures												
Boots and shoes (all leather)—1,000 prs.		429	1,070	1,477	2,617	6,183	9,644	12,773	17,207	21,657	25,652	41,563
Slippers (all leather)—do		[1] 472	377	460	634	976	[7] 299	1,399	3,381	5,200	8,254	17,026
Other footwear—do		[1] 1,123	908	1,066	1,172	1,200		[1] 238	321	407	1,019	1,433
								[1] 421	331	311	317	314
Gloves—do		8,288	9,808	10,476	11,505	17,389	8,078	8,395	8,918	10,570	11,103	16,550
Women's and children's—do		8,153	9,703	10,332	11,417	17,303		8,204	8,704	10,367	10,982	16,432
Men's—do		135	105	144	88	86		191	154	203	122	118
Bags, baskets, belts, boxes, cases, etc									1,246	3,703	3,509	4,621
All other leather manufactures												
D. Furs and manufactures							1,386	2,583	3,010	1,466	1,449	1,619
Furs, undressed							22,628	79,840	117,418	135,674	118,365	122,528
Caracul—1,000 pieces							14,767	72,179	107,250	123,630	108,783	108,049
Ermine—do					149	273					249	437
Fitch—do					594	917					1,479	2,277
Guanaquito—do					1,343	1,199					5,260	4,883
Kolinski—do					439	127					1,602	325
Marmot—do					526	638					2,167	2,228
Weasel—do					2,362	2,243					4,378	3,754
					1,502	1,582					2,925	2,778
Monkey—do					269	272					634	592
Otter—do					37	39					471	437
Opossum—do					559	623					668	771
Hare [9]—1,000 lbs.		[10] 1,410	1,457	1,966	2,192	2,257		[10] 1,566	1,976	3,102	3,250	3,411
Beaver—1,000 pieces		[1] 180	148	115	110	70		[1] 3,497	3,412	3,054	2,953	2,022
Fox, other than silver or black—do		[1] 1,948	1,279	1,797	1,712	1,696		[1] 13,444	9,806	17,294	16,465	16,296
Coney and rabbit [9]—1,000 lbs.		[1] 8,679	22,453	22,069	16,297	17,495		[1] 16,731	24,403	26,314	20,270	19,611
Marten—1,000 pieces		[1] 304	144	190	146	214		[1] 4,192	1,984	3,107	3,209	4,017
Mink—do		[1] 528	738	772	682	873		[1] 2,127	3,357	3,232	3,423	3,926
Mole—do		[1] 4,676	3,496	4,820	10,284	1,823		[1] 746	447	551	1,306	230
Muskrat—do		[1] 2,215	1,758	1,123	805	981		[1] 2,543	2,720	2,280	1,077	1,269
Squirrel—do		[1] 17,115	15,875	10,821	8,066	7,013		[1] 14,667	13,842	11,953	7,942	5,134
Nutria—do			242	118	44	38			1,065	619	240	215
Pony—do					51	105					296	670
Skunk—do					190	197					354	484
Wolf—do					145	158					2,461	2,536
Lamb, kid, sheep, and goat skin furs—do					8,435	9,841					15,617	20,812
Other furs, undressed—do								[1] 28,741	44,238	52,123	10,058	8,883

Furs dressed on the skin, not advanced beyond dyeing—1,000 pieces		3,902	2,396	2,830			[11] 4,807	2,743	2,336	3,352	7,132	11,984
Coney and rabbit—do					2,919	3,702					1,242	1,846
Silver or black fox, dressed or undressed—1,000 pieces					2	1					196	134
Lamb, kid, and sheep skin furs—1,000 pieces					235	329					706	1,332
Dog and goat skins, dyed and dressed—1,000 pieces					1,258	2,821					4,117	7,877
Other dressed furs											871	795
Manufactures of fur (except hats)—												
Cut fur for hatters' use, including fur skins carroted—1,000 lbs		[1] 407	393	253	44	27		[1] 648	977	442	70	59
Plates and mats of dog and goat skins—1,000 pieces		[1] 1,781	1,038	2,266	332	422		[1] 4,432	2,514	5,878	1,384	1,577
All other—1,000 lbs							[11] 2,267	1,869	4,341	2,272	987	860
E. Animal oils, fats, and greases, inedible							2,562	5,060	10,468	9,991	10,931	12,004
Whale oil—1,000 gals		[1] 5,483	8,458	5,300	9,118	7,271		[1] 2,970	4,225	2,642	4,202	3,321
Cod oil—do		2,432	4,347	4,495	1,569	2,091		1,322	2,867	3,307	801	1,020
Cod-liver oil—do					2,579	2,860					2,517	2,445
Other fish oil—do		[1] 765	2,203	6,201	4,550	5,761	2,562	[1] 272	858	2,015	1,614	2,185
Wool grease—1,000 lbs		[2] 11,322	11,844	10,974	10,664	10,538		[2] 359	472	432	359	367
Tallow—do					14,239	17,024		382	1,481	1,223	1,105	1,367
Grease and oils n. e. s								1,286	565	373	333	1,298
F. Other inedible animals and animal products							26,962	27,606	31,183	29,041	28,950	33,913
Animals, inedible—												
Horses—												
For breeding—number	14,169	2,740	680	406	415	571	2,528	1,015	1,681	1,318	668	1,103
Other—do		[1] 450	2,347	2,173	2,871	3,248			521	510	700	746
Birds, live—thousands			556	579	695	833		[1] 636	926	1,011	1,214	1,397
Foxes, silver—number			4,242	2,305	976	486			900	454	185	88
Other animals							1,196	1,995	820	916	674	778
Bones, hoofs, and horns—												
Unmanufactured—1,000 lbs		89,028	118,849	139,112	118,789	153,699	1,045	1,204	1,424	1,750	1,727	2,269
Manufactures							213	603	80	86	83	111
Bristles—												
Crude, not sorted, etc—1,000 lbs	25	21	53	3	5	([12])	15	27	7	3	9	([12])
Sorted, bunched, or prepared—do	3,583	4,655	5,327	5,202	4,831	6,216	3,156	7,576	7,680	6,969	6,576	8,327
Feathers, crude, not advanced—												
Ostrich feathers—1,000 lbs		143	89	73	49	49	6,225	881	342	204	133	161
All other—do		3,653	3,434	2,909	3,114	4,238		1,733	1,970	1,615	1,814	2,459
Feathers, manufactures of—												
Artificial or ornamental, for millinery							2,676	1,050	65	60	69	46
Colored or advanced, not for millinery, and manufactures							1,460	154	165	209	179	138
Glue stock, hide cuttings, etc—1,000 lbs		29,242	45,855	43,372	48,567	58,370	1,774	1,284	1,767	1,845	2,341	2,911
Gelatin, inedible, and manufactures							632	1,001	1,196	1,181	1,439	1,231
Glue and glue size, and manufactures—1,000 lbs	10,791	5,886	6,597	9,194	9,335	13,692	996	605	525	731	842	1,350

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[7] Average for years 1912–1914.
[9] "Coney and rabbit" includes "haro" prior to 1925.
[10] 1925 only.
[11] Average for years 1911–1914.
[12] Less than 500.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
F. Other inedible animals and animal products—Continued.												
Casein or lactarene—1,000 lbs	[5] 9,802	17,421	26,281	24,210	28,651	27,583	[5] 677	1,916	2,852	3,120	3,678	3,323
Ivory tusks in natural state—do	570	349	356	243	159	126	1,489	1,115	1,285	829	423	331
Shells, unmanufactured—												
Mother-of-pearl—do		5,666	7,050	6,517	6,517	8,924	1,339	1,556	2,041	1,709	1,883	2,575
All other—do		1,263	4,512	4,523	2,386	8,769	589	248	158	255	270	343
Sponges and manufactures—do		[1] 1,431	1,195	968	1,063	965	423	837	1,067	1,108	1,249	1,183
Beeswax and other animal wax—do	1,039	3,180	4,022	5,041	4,402	5,258	322	751	1,604	1,635	1,510	1,546
Bladders, intestines, etc			521	390	49	73			668	180	41	22
Other inedible animal products							613	1,673	1,430	1,284	1,245	1,475
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							355,306	738,241	841,383	819,428	815,498	818,391
A. Grains and preparations												
Buckwheat—1,000 lbs		[2] 17,338	4,273	3,016	3,168	7,671	18,024	32,811	28,039	23,853	26,458	20,003
Corn—1,000 bus. of 56 lbs		1,135	1,055	5,458	565	407		[2] 326	75	52	57	145
Oats—1,000 bus. of 32 lbs	5,352	2,465	157	85	489	112	[7] 2,998	1,062	908	4,295	609	447
Rice—							1,934	1,147	56	32	321	43
Uncleaned—1,000 lbs	93,518	12,357	22,651	10,676	5,660	11,957	2,949	614	942	340	287	590
Cleaned (except patna)—do		50,052	95,447	43,397	29,442	20,496		1,823	4,328	2,015	1,170	830
Patna rice for use in canned foods—do			2,196	1,627	2,170	2,594			167	107	134	146
Flour, meal, etc—do	133,789	1,586	7,746	2,386	1,715	935	2,314	79	246	66	63	52
Wheat—1,000 bus. of 60 lbs	1,230	18,973	14,143	11,754	18,848	14,576	1,032	23,204	19,691	15,344	22,040	16,249
Wheat flour—1,000 lbs	25,189	78,573	1,893	1,069	1,150	381	558	2,688	75	46	37	13
Biscuits, wafers, cakes, etc							[13] 415	284	515	662	726	623
Macaroni, vermicelli, noodles, etc—1,000 lbs	113,882	3,785	5,225	3,513	3,434	2,856	5,028	280	396	332	371	263
Bread, yeast-leavened—do		[2] 2,138	2,295	2,281	2,755	2,468		[2] 271	279	297	378	378
All other							2,327	1,191	361	265	262	224
B. Fodders and feeds							2,721	7,990	12,588	11,239	15,707	17,462
Hay—tons of 2,240 lbs	291,940	133,801	354,235	115,025	62,384	30,787	2,588	1,503	3,375	1,109	564	319
Oil cake and oil-cake meal—												
Bean (soya and other)—1,000 lbs			42,869	53,951	96,810	171,855			885	1,014	1,920	3,618
Coconut or copra—do			38,375	38,606	28,433	30,292			445	471	448	506
Cottonseed—do	11,456	112,848				43,770	133	1,877				579
Linseed—do						69,285						1,669
All other—do			39,311	96,327	125,543	18,970			794	1,639	2,327	342
Bran, shorts, and other by-product feeds of wheat—1,000 tons of 2,240 lbs		[1] 204	185	188	273	273		[1] 4,689	4,429	5,104	8,019	7,399

Of direct importation do			105	83	139	144			2,449	2,219	3,809	3,746
Withdrawn from bonded mills do			80	105	134	129			1,980	2,885	4,210	3,652
Beet pulp, dried tons of 2,240 lbs		[1] 31,184	41,852	22,167	15,714	32,097		[1] 964	1,306	638	488	1,111
Other fodders and feeds								1,218	1,354	1,264	1,941	1,910
C. Vegetables and preparations							14,396	20,163	38,393	38,429	39,899	47,799
Beans, dried 1,000 lbs	68,878	74,793	65,538	86,134	138,016	120,098	2,021	3,005	2,464	3,010	6,224	6,790
Peas, dried do	[7] 56,152	30,125	12,654	19,608	12,423	22,528	[7] 91,734	1,244	573	818	467	855
Peas, split do			1,472	644	1,243	6,710			64	28	53	297
Chick peas or garbanzos do		[2] 40,640	57,885	40,173	56,706	52,539		[2] 2,255	2,984	2,069	3,353	3,263
Mushrooms [14] do	7,083	5,491	6,495	7,101	7,831	9,072	1,059	1,745	1,887	2,035	1,958	2,504
Potatoes, white or Irish do	219,481	88,913	343,675	316,329	222,611	256,551	1,956	1,650	8,328	5,247	3,141	4,305
Garlic do		6,820	4,126	2,952	6,179	4,502		341	234	163	287	266
Turnips do		[1] 140,654	90,584	112,051	150,426	138,173		[1] 636	596	668	830	901
Tomatoes, natural state do		[2] 64,538	80,906	132,130	120,002	119,205		[2] 2,162	2,661	4,544	3,836	3,828
Onions do	67,026	104,149	103,130	120,588	125,978	68,593	805	2,179	1,937	2,662	2,674	1,242
Other vegetables, fresh, n. e. s do							1,838	2,810	3,310	3,361	3,097	3,558
Farinaceous substances—												
Arrowroot, cassava, sago, and tapioca do		92,996	109,482	116,290	176,469	181,441	1,617	3,492	3,332	3,371	3,915	4,711
Arrowroot starch do						1,073						76
Vegetables canned—												
Peas do		[1] 1,689	1,993	1,067	1,189	1,087		[1] 188	217	135	139	131
Tomatoes do		[1] 56,926	82,293	96,242	92,732	174,787		[1] 2,817	4,082	5,306	5,198	9,005
Other do		[1] 6,721	11,582	8,487	8,562	8,716		[1] 635	1,148	826	861	903
Vegetables, prepared or preserved—												
Pickles do		[1] 11,078	1,597	1,207	865	2,081	1,056	1,329	142	180	72	100
Sauces do			11,283	12,571	12,383	13,488			830	954	930	974
Lentils do		[2] 8,064	9,560	7,783	7,043	11,607		[2] 499	438	361	443	965
Tomato paste do		[2] 15,154	18,078	14,354	9,817	13,857		[2] 1,382	1,634	1,489	1,054	1,612
Beancake, miso, and similar products do		[2] 1,209	1,103	964	923	906		[2] 84	89	81	71	70
Other do			11,961	7,582	8,115	6,965	2,657	1,850	861	541	497	445
Other edible substances							257	1,400	580	580	793	999
D. Fruits and nuts							42,289	75,499	87,560	84,721	89,667	86,898
Fruits							28,608	46,031	54,463	54,085	58,452	58,803
Bananas 1,000 bunches	43,083	47,057	56,251	61,009	64,308	65,134	14,254	22,007	31,684	34,269	35,381	36,048
Grapefruit 1,000 lbs		[1] 14,810	17,830	873	7,615	7,164		530	535	25	199	152
Lemons do		[3] 100,041	73,924	62,862	69,749	46,929	3,955	2,006	1,701	1,632	2,191	1,664
Limes [15] do		[2] 5,264	4,725	4,904	5,174	4,582	127	189	121	131	132	113
Olives—												
In brine 1,000 gals	4,388	[1] 6,266	5,969	5,048	7,813	3,835	1,944	3,888	4,351	4,545	5,311	2,108
Pitted or stuffed do						2,476						2,413
Pineapples, natural state							1,203	2,487	2,100	2,150	1,852	2,072
Pineapples, prepared or preserved 1,000 lbs		[2] 3,538	3,138	2,095	2,677	4,101		[2] 299	436	213	164	309
Apples 1,000 bus. of 50 lbs		[1] 105	55	163	112	268		[1] 211	100	323	207	481
Berries, natural or in brine 1,000 lbs		[1] 4,944	5,794	4,888	6,748	9,313		[1] 430	485	409	597	862
Cherries, natural, sulphured or in brine 1,000 lbs		[2] 4,806	3,191	14,295	13,333	23,910		[2] 415	326	1,722	1,977	3,434
Cherries, prepared or preserved do		[2] 7,925	19,583	2,963	618	721		[2] 736	2,121	370	143	157

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1913–14.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[13] 1914 only.
[14] Mushrooms and truffles prior to 1924.
[15] Limes and oranges prior to 1926.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
D. Fruits and nuts—Continued.												
Fruits—Continued.												
Grapes, 1,000 cu. ft.	1,464	637	106	88	138	142	1,739	1,091	326	300	318	301
Currants, 1,000 lbs.	32,559	26,021	13,316	11,951	10,667	9,802	1,355	2,046	729	947	960	715
Dates, do	29,157	57,237	49,280	38,409	58,841	54,135	603	2,712	2,635	1,749	2,869	2,535
Figs, do	19,142	38,978	43,662	31,018	38,738	23,015	931	2,619	3,017	1,967	2,854	1,833
Raisins and other dried grapes, do	3,582	11,887	5,115	2,537	2,390	1,505	276	1,270	495	330	312	190
Citron or citron peel, do		[2] 3,476	4,584	3,886	4,447	4,327		[2] 720	703	495	472	608
Ginger root, prepared or preserved, do		[2] 792	1,289	959	883	1,027		[2] 123	195	122	100	120
Jellies, jams, marmalades, and fruit butter, 1,000 lbs.		[2] 2,881	3,533	4,049	3,726	3,454		[2] 458	538	594	492	449
Other fruits, natural, prepared, or preserved, 1,000 lbs.			33,657	27,820	35,593	44,686	2,221	3,609	1,773	1,786	1,922	2,190
Nuts							13,681	29,468	33,098	30,637	31,215	28,095
Chestnuts, including marrons, 1,000 lbs.		24,435	25,898	11,731	20,283	16,933		1,034	1,265	644	1,055	849
Coconuts, in the shell, thousands		69,091	56,837	61,315	65,360	80,826	1,773	1,802	1,362	1,653	1,568	1,876
Almonds—												
Shelled, 1,000 lbs.	17,204	21,770	20,099	17,676	16,352	18,863	3,466	6,167	7,709	6,470	5,869	6,437
Not shelled, do		4,030	801	479	1,371	5,877		437	95	55	174	857
Brazil and cream—												
Shelled, 1,000 lbs.	20,022	38,751	46,459	24,438	24,704	3,405	979	2,208	3,036	2,625	3,259	1,124
Not shelled, do						32,947						1,980
Coconut meat, desiccated or prepared—												
Product of the Philippine Islands, do		[3] 12,496	28,864	33,994	46,696	43,123		[3] 1,212	2,683	3,041	4,005	3,395
Other, do	[7] 7,411	32,140	21,095	26,271	13,766	6,487	[7] 569	2,491	1,775	2,187	1,116	466
Filberts—						5,544						
Shelled, do	11,963	5,419	7,135	5,630	5,227	6,447	932	972	1,464	1,082	907	1,259
Not shelled, do		12,916	10,876	9,605	13,266			1,186	1,490	1,184	1,373	719
Walnuts—						17,459						
Shelled, do	33,667	18,148	22,576	19,574	15,800	7,181	3,984	5,410	5,688	6,454	4,210	4,944
Not shelled, do		27,331	25,649	12,139	15,596			3,284	3,236	1,489	1,923	745
Peanuts—						26,631						
Shelled, do	25,460	44,233	42,590	38,805	55,862	4,609	1,051	2,072	1,984	1,651	3,065	1,272
Not shelled, do		5,397	3,990	4,490	13,739	392		245	190	179	591	194
Pecans, do		[2] 1,858	1,046	256	549	578		[2] 172	116	43	56	75
Pignolia, do		[2] 647	690	629	596	1,491		[2] 148	216	258	206	170
Pistache, do		[2] 1,146	765	1,519	1,641	5,298		[2] 480	350	532	571	547
Other edible nuts, n. e. s., do			2,016	4,647	5,320		1,155	869	437	1,041	1,267	1,186
						96,843						
E. Vegetable oils and fats, edible, 1,000 lbs.	40,608	73,526	78,592	75,212	82,965		7,376	13,287	13,925	17,635	14,958	16,418
Cocoa butter, do	4,033	2,585	86	187	21	45	1,034	603	23	58	7	11

Olive oil, edible—do	36,575	70,941	78,506	75,025	82,944	96,796	6,342	12,684	13,901	17,577	14,951	16,408
In packages weighing less than 40 pounds—1,000 lbs		[2] 48,887	50,686	43,099	48,598	60,473		[2] 8,122	8,884	10,159	8,845	10,371
Other—do		[2] 34,420	27,820	31,926	34,346	36,325		[2] 5,998	5,017	7,418	6,106	6,036
F. Cocoa, coffee, and tea							134,955	263,109	398,323	350,758	386,082	379,534
Cocoa or cacao beans—1,000 lbs	141,800	364,848	426,287	424,987	379,227	507,580	16,009	31,329	42,749	56,816	47,205	49,495
Cocoa, prepared—do	2,940	3,059	3,903	3,428	4,953	4,208	690	690	585	539	625	582
Chocolate, prepared—do			2,926	2,634	4,454	3,784			893	936	386	1,196
Coffee—do	899,339	1,340,272	1,493,316	1,433,340	1,456,517	1,482,258	101,455	205,792	322,746	264,275	309,644	302,397
Extracts of, and substitutes for coffee—do	2,916	[16] 661					69	[16] 23				
Tea—do	95,126	94,491	95,930	89,169	89,824	89,373	16,732	25,284	31,349	28,192	27,222	25,866
G. Spices—1,000 lbs	58,330	95,795	85,239	111,202	98,399	93,102	7,258	13,851	18,388	20,088	20,588	18,630
Paprika—do		[10] 4,143	4,217	5,568	4,940	5,545		[10] 671	764	1,249	916	1,090
Celery seed—do		[2] 738	1,187	678	656	976		[2] 194	205	110	104	155
Cinnamon and chips of, unground—do		[2] 1,485	1,021	1,227	894	585		[2] 349	413	563	408	214
Cummin seed—do		[2] 1,560	708	1,083	1,036	991		[2] 221	45	95	99	99
Caraway seed—do		[2] 5,090	4,478	4,107	4,699	4,835		[2] 482	300	327	359	390
Cardamom seed—do		[2] 150	186	222	188	196		[2] 182	221	197	187	202
Capsicum or red or cayenne and chili pepper, unground—1,000 lbs		4,085	1,299	1,976	3,264	3,173		495	161	347	501	409
Cassia and cassia vera—do	[7] 6,807	8,334	7,786	12,009	7,353	7,946	[7] 485	509	508	939	559	574
Cloves, unground—do		5,904	6,524	5,673	5,162	3,154		1,221	1,282	924	903	758
Ginger root, unground, not prepared—do	[7] 5,836	5,015	4,952	3,119	3,930	3,928	[7] 313	585	365	226	360	410
Mustard—												
Seed, unground—do		12,705	14,755	24,325	16,048	17,656		619	995	1,242	888	948
Ground or prepared—do		1,501	1,742	1,583	1,979	1,718		838	994	850	1,117	959
Nutmegs, unground—do		4,021	3,703	4,573	4,241	4,181		753	1,004	1,128	851	777
Mace, unground—do		[2] 691	703	876	657	751		[2] 411	417	590	442	473
Pepper, unground—												
Black—do	23,018	33,316	16,658	25,982	24,428	21,804	2,121	2,898	3,376	6,032	7,353	6,194
White—do			2,703	5,137	4,186	3,599			748	2,000	1,887	1,614
Pimento (allspice), unground—do		[2] 3,298	3,037	1,926	2,435	1,963		[2] 180	377	279	392	424
Pimentos, whole, etc—do		[2] 2,364	3,883	6,516	4,629	3,139		[2] 272	465	766	510	316
Tonka beans—do						562						496
Vanilla beans—do	945	983	1,152	993	1,449	1,400	2,020	3,331	2,828	1,035	2,290	1,872
Other spices							2,638	1,552	800	289	462	257
H. Sugar and related products							106,414	303,517	244,592	270,875	220,313	229,740
Sugar cane, natural—1,000 tons [17]						229	255				801	893
Beet sugar—1,000 lbs	43,438	831	120	132	612		1,015	30	4	5	22	
Cane sugar—do	4,341,058	8,117,916	9,420,078	8,431,414	7,736,997	9,776,778	103,517	295,361	232,530	258,158	207,026	209,277
Product of Philippine Islands and Virgin Islands—1,000 lbs	232,340	614,419	773,162	1,072,715	1,172,056	1,428,381	5,827	30,077	30,201	48,223	47,786	49,982
Other—do	4,108,717	7,503,497	8,646,916	7,358,699	6,564,940	8,348,397	97,689	265,284	202,329	209,935	159,240	159,296
Molasses—1,000 galls	33,859	159,362	269,725	244,904	265,802	312,138	1,352	7,138	10,472	10,613	10,237	16,024
Sugar candy and confectionery, n. e. s—1,000 lbs	1,319	1,560	2,638	3,034	3,757	4,022	235	462	766	887	976	1,012
Maple sugar and maple sirup—do	4,506	3,247	4,598	6,705	7,320	13,285	238	466	718	1,173	1,225	2,509
Honey—do	1,254	911	291	362	106	108	57	63	41	40	25	24

[2] Average for years 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[10] 1925 only.
[16] Average for years 1921–1923.
[17] Ton of 2,000 pounds.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
I. Beverages							21,873	2,215	1,687	1,328	1,830	1,878
Lemon, lime, and sour orange juice, not more than 2 per cent alcohol—1,000 gals.		[1] 445	560	421	278	189		[1] 419	507	432	269	169
Distilled liquors—1,000 pf. gals.	3,966	142	72	70	79	81	6,833	591	327	311	345	403
Wine—1,000 gals.	7,410	377	49	27	51	21	10,265	726	145	67	112	49
Ginger ale or beer, not alcoholic—do		[2] 69	70	76	255	88		[2] 93	83	87	242	104
Mineral water—do	2,891	674	747	1,002	823	1,045	1,002	278	321	503	412	525
Other beverages and fruit juices							3,773	331	234	430	450	627
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							210,696	442,019	302,743	636,922	519,049	553,993
A. Rubber and manufactures							97,749	197,785	515,957	348,987	253,020	247,419
Rubber, crude, and milk of [18]—1,000 lbs.	105,736	681,100	925,878	954,750	978,107	1,262,939	86,345	192,922	505,818	339,859	244,855	240,906
Jelutong or pontianak—do	44,576	9,659	16,268	17,438	16,917	18,376	2,175	398	3,128	2,449	2,540	2,458
Balata—do	1,129	1,481	792	1,303	1,638	1,631	673	820	327	477	431	567
Gutta-percha—do	1,193	2,566	3,237	3,346	3,578	1,001	255	417	661	728	777	167
Guayule [19]—do	[11] 11,421	[3] 3,879	9,643	11,241	6,892	2,857	[11] 5,465	[3] 789	2,562	2,675	1,756	545
Siak and scrap, and reclaimed—do	31,990	12,745	31,929	21,497	20,400	20,183	2,640	612	1,483	907	649	397
Rubber belting for machinery—do		[1] 638	732	638	531	62		[1] 444	488	389	302	34
Rubber tires—number			17,504	5,450	4,469	5,540			161	76	70	100
Other manufactures of rubber							1,289	1,377	1,328	1,407	1,041	2,185
B. Gums, resins, and balsams, n. e. s.							11,925	30,942	34,046	32,536	32,164	35,636
Varnish gums and resins—												
Damar—1,000 lbs.	27,752	20,864	15,156	15,492	15,851	19,131	2,587	2,846	2,280	2,128	2,019	2,403
Kauri—do			5,456	4,092	5,119	4,870			952	589	701	688
Lac, crude, seed, button, and stick—do						7,976						2,579
Shellac—do	20,455	27,183	31,296	25,102	24,056	33,335	2,843	14,958	10,515	10,305	10,210	12,789
All other—do		[1] 33,884	51,344	49,231	44,955	37,976		[1] 4,611	6,563	6,904	6,290	3,013
Tar, pitch, and turpentine							47	[1] 200	517	350	291	335
Camphor—												
Natural, crude—1,000 lbs.	3,219	2,248	2,019	1,690	4,365	4,204	932	1,341	1,158	810	1,649	1,580
Natural, refined—do	451	2,691	1,170	1,481	1,176	1,431	156	1,758	763	823	593	793
Synthetic—do			2,944	2,934	2,265	3,957			1,558	1,263	809	1,376
Chicle—do	8,577	8,913	12,381	12,167	12,435	13,223	3,374	4,455	6,204	6,156	6,296	6,621
Balsam, crude—do		395	325	413	401	407		196	181	204	189	228
Arabic or Senegal—do		8,034	10,268	8,056	9,537	8,471		842	1,002	691	770	913
Tragacanth—do		[1] 1,000	1,415	1,434	1,708	2,107		[1] 423	740	756	882	947

Kadaya (karaya) and talka	do						4,064					446
Rosin	do					2,088	1,015				83	35
Other gums and resins, n. e. s								1,936	1,406	1,615	1,466	1,381	890
C. Drugs, herbs, leaves, roots, etc								4,166	6,527	9,221	9,084	10,858	10,582
Cinchona bark or other from which quinine may be extracted	1,000 lbs	3,444	2,333	3,906	1,936	1,544	1,960	319	729	1,056	546	414	552
Pyrethrum or insecticide flowers	do		[1] 4,451	9,353	8,993	13,689	9,013		[1] 1,413	1,219	1,220	3,692	2,061
Licorice root	do	100,536	63,499	82,015	80,195	69,402	88,267	1,718	2,167	2,375	2,174	1,872	2,260
Licorice extract	do		[1] 1,537	1,169	724	1,109	1,166		[1] 266	236	162	215	204
Opium, crude, 8.5 per cent or more morphia	1,000 lbs	489	105	144	145	103	168	2,129	502	952	1,044	648	1,071
Senna	do		[1] 3,144	3,695	2,558	2,939	2,899		[1] 272	241	179	195	194
All other	do		[3] 19,148	22,885	22,829	25,655	27,281		[5] 2,450	3,142	3,709	3,821	4,240
D. Oilseeds								15,128	51,204	70,505	64,562	60,749	79,335
Cottonseed	1,000 lbs		[1] 75,909	58,951	10,932	1,044	168		[1] 1,050	760	165	15	2
Castor beans	do	43,473	79,797	100,908	122,957	140,499	175,342	997	2,998	3,385	4,309	4,878	6,226
Copra	do	40,682	289,278	457,599	450,995	501,990	570,931	1,807	12,330	23,513	20,641	22,778	24,195
Flaxseed	1,000 bus. of 56 lbs	7,258	10,934	22,550	21,821	17,579	24,243	12,324	34,045	41,383	38,059	31,245	46,549
Poppy seed	1,000 lbs		[1] 5,183	5,161	5,950	6,240	6,432		[1] 489	535	571	477	437
Perilla and sesame seed	do			2,883	2,949	9,996	18,340			156	157	471	777
Other oil seeds	do		26,805	17,980	17,119	23,581	32,168		908	772	660	884	1,150
E. Vegetable oils								22,498	51,643	71,708	67,475	69,659	91,817
Expressed oils and fats								19,143	46,366	65,135	61,024	62,960	84,243
Tung oil	1,000 lbs	[19] 47,890	75,354	83,004	89,650	109,222	119,678	[19] 2,952	9,247	9,148	11,810	13,419	14,972
Coconut oil—													
Product of Philippine Islands	do	[5] 10,221	205,191	245,129	293,370	290,637	411,936	[5] 929	15,850	22,088	22,900	23,061	29,552
All other	do	50,057	6,181					4,073	516				
Olive oil, inedible—													
Sulphured or foots	do	13,223	34,009	40,300	42,307	39,547	45,874	829	2,857	3,307	3,694	2,896	3,128
Other	do	5,161		9,925	6,819	8,724	10,332	426		1,302	1,115	1,175	1,339
Palm oil	do	61,060	90,025	130,747	159,911	169,228	261,816	3,999	6,515	10,112	11,040	11,067	17,500
Palm-kernel oil	do	[7] 27,943	[3] 19,918	74,980	43,115	53,812	69,909	[7] 2,343	[3] 1,776	7,087	3,547	4,369	5,301
Sesame oil	do			8,862	1,704	6,239	21,588			1,046	203	665	1,915
Vegetable tallow	do		[1] 6,726	3,779	5,688	5,341	11,530		[1] 487	312	390	358	812
Vegetable wax	do	4,819	7,704	8,234	10,150	4,012	4,618	987	1,626	2,250	2,627	720	724
Peanut oil	do	([19])	6,384	8,281	2,847	4,749	3,231	([19])	614	866	340	520	333
Rape seed (colza) oil	1,000 gals	1,329	1,708	2,768	2,547	2,250	2,507	627	1,242	2,031	1,570	1,504	1,588
Linseed oil	1,000 lbs	[7] 2,758	54,836	15,041	946	173	9,961	[7] 230	4,326	1,033	77	14	739
Soybean oil	do	[7] 18,907	20,975	30,712	14,915	13,116	19,489	[7] 1,015	1,305	2,151	888	824	1,217
Carnauba wax	do					5,471	6,849					1,516	1,537
Perilla oil	do					2,011	5,574					214	638
Other expressed oils	do		[1] 16,197	21,369	7,678	7,848	38,915	2,725	1,267	2,404	823	637	2,948

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[5] Average for years 1913–14.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[18] "Guayule" is included with "crude rubber" in 1910.
[19] "Peanut oil" is included with "Tung oil."

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
Group 2.—Vegetable products, inedible, etc.—Continued												
E. Vegetable oils—Continued.												
Essential and distilled oils												
Cassia and cinnamon ..... 1,000 lbs.			322	378	319	354	3,355	5,276	6,573	6,449	6,899	7,574
Geranium ..... do.		[1] 156	222	186	173	90			474	488	383	470
Otto of roses ..... 1,000 oz.		[1] 52	34	26	35	49		[1] 746	526	469	528	381
Bergamot ..... 1,000 lbs.		[1] 99	76	104	100	113		[1] 282	364	207	354	411
Citronella and lemon grass ..... do.		[1] 1,108	1,320	1,466	1,408	1,341		[1] 303	418	628	506	481
Lavender and spike lavender ..... do.		[1] 2,217	198	323	296	381		[1] 804	745	612	560	622
Lemon ..... do.	394	530	508	400	477	345	537	382	974	723	1,037	1,096
Orange ..... do.		[1] 218	209	204	198	216		[1] 478	506	495	709	854
Sandalwood ..... do.		[1] 39	5	4	12	29		[1] 183	13	16	41	140
All other essential and distilled oils ..... do.		[1] 3,170	3,432	3,496	3,860	4,239	2,818	3,098	2,043	1,793	1,865	2,214
F. Dyeing and tanning materials, n. e. s.							6,175	8,142	7,890	10,108	9,345	8,109
Logwood ..... tons.	[20] 34,757	26,797	24,926	32,211	33,113	28,155	[20] 425	514	510	578	611	431
Myrobalans fruit ..... do.		[1] 16,012	13,774	27,376	16,179	16,504		[1] 415	488	978	558	473
Quebracho wood ..... do.	78,345	26,439	32,068	60,926	75,995	70,608	1,045	368	510	1,068	1,228	1,037
Sumac ..... do.	[20] 5,736	4,935	3,871	4,573	3,905	3,579	[20] 273	347	304	267	194	213
Valonia ..... 1,000 lbs.		[1] 17,622	19,413	10,435	11,807	18,402		[1] 307	332	245	317	305
Gambier or terra japonica ..... do.	19,468	6,184	4,016	3,939	3,862	5,277	924	433	366	276	235	338
Wattle bark ..... do.						13,809						2,711
Other crude ..... do.		[1] 68,267	66,661	76,543	67,375	30,919	737	1,208	1,309	1,550	1,495	762
Extracts for dyeing, coloring, etc. ..... do.		3,153	2,373	1,275	1,441	1,799		255	229	131	121	129
Extracts for tanning—												
Quebracho ..... do.	86,204	117,246	102,162	112,002	97,040	82,377	2,584	4,335	3,745	4,930	4,320	3,783
All other ..... do.	8,284	6,905	2,928	1,792	4,043	11,644	327	249	97	82	165	367
G. Seeds, except oil seeds ..... do.							8,199	11,528	11,648	9,523	9,112	8,972
Field seeds—												
Alfalfa ..... do.		[1] 7,184	4,826	3,493	635	999		[1] 966	838	697	103	141
Clover ..... do.	25,662	33,994	40,212	21,548	23,606	22,108	3,199	4,618	5,631	4,028	3,581	3,129
Red ..... do.		12,089	18,157	7,285	6,565	6,438		1,996	3,166	1,577	1,266	937
Alsike ..... do.		[1] 9,532	5,565	6,161	6,364	6,804		[1] 1,319	1,129	1,539	1,251	1,280
Crimson ..... do.		[1] 6,067	4,078	1,246	3,046	3,296		[1] 403	252	168	286	306
Other ..... do.		12,546	12,422	6,856	7,631	5,570		1,589	1,083	744	778	606
Vetch ..... do.		[1] 9,066	4,175	4,220	4,276	3,265		[1] 945	276	297	247	185
Grass seeds ..... do.	[7] 27,154	10,447	8,692	7,041	9,691	7,729	[7] 1,557	1,070	1,116	935	1,305	1,219
Sugar-beet seeds ..... do.	11,550	10,510	10,790	13,379	13,023	15,503	872	1,206	1,181	1,367	1,302	1,548
Other seeds							2,187	1,453	2		4	393

Garden and flower seeds—												
Cabbage ... do		[1] 416	311	282	243	137		[1] 114	169	150	123	93
Canary ... do		[1] 11,749	14,595	14,347	16,783	17,608		[1] 551	527	407	501	718
Turnip ... do		[1] 1,442	2,287	1,329	1,766	759		[1] 176	256	146	185	93
Onion ... do						193						260
All other ... do		[1] 5,263	6,343	4,944	7,026	6,210	1,006	1,529	1,651	1,497	1,761	1,195
H. Nursery and greenhouse stock							2,987	7,233	7,498	7,401	7,756	7,636
Bulbs, roots, and corms—												
Hyacinth ... thousands			24,180	22,243	23,087	20,312			1,663	1,673	1,668	1,445
Lily, tulip, and narcissus ... do		261,063	210,139	216,609	241,798	207,982	1,705	6,739	5,107	4,970	6,328	5,543
Crocus and other ... do			20,532	21,970	26,561	15,449			262	257	289	228
Trees, plants, cuttings, and seedlings—												
Fruit stock ... do			13,236	12,255	12,656	9,176			9	92	86	53
Rose stocks and plants ... do			13,133	13,027	10,789	12,651	1,282	494	193	195	157	193
All other ... do				1,229	562	276			178	215	227	175
I. Tobacco and manufactures							37,419	73,230	69,489	82,987	63,056	60,617
Unmanufactured ... 1,000 lbs	55,790	66,942	67,908	102,754	74,797	68,066	31,704	64,831	60,570	74,616	55,160	53,321
Product of Philippine Islands ... do	27	1,189	908	1,611	3,727	3,903	4	177	197	253	521	443
Leaf, for cigar wrappers ... do	6,312	6,342	6,551	5,784	6,631	8,563	7,407	14,385	14,747	12,438	13,630	15,750
Cigar leaf (filler)—												
Unstemmed ... do			8,012	8,148	7,235	6,706			7,266	6,460	5,765	5,010
Stemmed ... do	48,355	58,078	14,659	15,395	14,647	15,551	24,288	49,794	15,350	13,719	13,996	13,883
Cigarette leaf, unstemmed ... do			36,159	69,820	40,335	31,004			22,519	41,207	20,614	18,072
Scrap ... do	[11] 1,369	1,334	1,616	1,997	2,222	2,279	[11] 6	475	491	540	634	663
Manufactures of tobacco—												
Cigars and cheroots—												
Product of Philippine Islands ... do	[21] 1,044	2,924	3,021	2,645	2,574	2,073	[21] 1,528	4,473	5,047	4,142	4,190	3,341
Other cigars and cheroots ... do	[21] 707	435	424	413	390	381	[21] 4,011	3,542	3,309	3,742	3,350	3,111
Cigarettes, product of Philippine Islands ... 1,000 lbs	([21])	3	38	37	25	17	([21])	6	43	52	39	28
All other manufactures, n. s. p. f ... do		297	375	403	274	211	176	378	520	435	316	316
J. Miscellaneous vegetable products							4,452	3,785	4,787	4,336	3,430	3,856
Agar-agar ... 1,000 lbs			451	366	374	561			297	230	274	435
Hops ... do	5,725	969	568	554	581	765	2,416	357	378	315	189	174
Starch ... do	13,374	10,664	23,181	30,260	20,254	31,193	373	405	807	1,175	790	857
Vegetable ivory, or tagua nuts ... do	25,467	31,976	25,862	28,654	23,325	26,633	905	1,200	1,277	794	663	649
Moss, seaweed, etc., crude ... do							223	500	441	325	424	404
Broom corn ... tons of 2,240 lbs	2,217	[22] 100	610	17	155		261	[22] 12	85	2	20	
All other							274	1,317	1,503	1,494	1,070	1,337
GROUP 3.—TEXTILES												
Total							387,840	893,632	999,728	954,453	920,071	1,005,733
A. Cotton, unmanufactured ... 1,000 lbs	110,957	165,958	181,393	205,609	172,037	223,275	20,661	46,280	46,240	45,669	42,797	53,333
Long staple ... do		[8] 56,364	53,733	69,580	42,655	51,726		[8] 19,187	18,582	19,624	14,178	17,687
Short staple ... do		[8] 116,596	127,661	136,029	129,382	171,549		[8] 30,437	27,657	26,044	28,620	35,646

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[20] Average for years 1910 and 1912–1914.
[21] Figures for "cigars and cheroots" include "cigarettes."
[22] Average for years 1921 and 1925.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3.—TEXTILES—Continued												
B. Cotton, semimanufactures												
Cotton waste, 1,000 lbs.	39,598	36,068	29,736	24,730	48,108	41,208	6,096	8,389	8,462	5,397	6,323	5,810
Yarns and warps—							1,918	3,337	2,147	1,623	3,012	2,478
Not bleached, dyed, or plied, etc., do.	7,395	4,238	93	34	20	12	4,178	5,052	83	22	21	12
Bleached, dyed, combed, or plied, 1,000 lbs.			3,568	3,271	2,577	2,669			4,232	3,753	3,290	3,320
C. Cotton manufactures							61,317	78,178	60,697	60,800	62,972	63,454
Sewing thread, crochet, darning, embroidery, and knitting cotton, million yds.		4,140	2,189	2,138	1,777	1,616		2,890	2,388	1,962	1,482	1,226
Cotton cloth, 1,000 sq. yds.	53,893	150,874	60,680	63,002	61,295	61,185	9,041	35,983	16,258	15,596	15,842	15,901
Not bleached, do.	4,235	67,387	33,115	27,451	23,515	20,455	493	13,290	6,830	5,156	4,753	4,499
Bleached, do.		14,001	5,236	10,146	11,301	13,163		3,747	1,533	2,154	2,408	2,557
Colored, dyed, printed, etc., and woven figured, 1,000 sq. yds.	49,658	69,486	22,329	25,405	26,479	27,567	8,548	18,926	7,886	8,286	8,681	8,845
Cotton fabrics, n. e. s.							1,935	2,988	7,751	9,136	9,119	8,462
Table damask and manufactures								[1] 405	314	302	270	386
Pile fabrics and manufactures							1,935	703	2,386	2,796	3,177	2,624
Velvets and velveteens, 1,000 sq. yds.					3,550	3,145					2,750	2,326
Other											427	298
Tapestries and other Jacquard woven upholstery cloths								1,867	4,345	5,468	5,068	4,650
Blankets, thousands			650	699	497	834			332	300	278	501
Table covers, napkins, doilies, etc.								[2] 400	374	269	320	301
Wearing apparel							8,267	12,815	15,294	13,901	16,985	15,604
Product of Philippine Islands							5	3,113	5,422	3,521	3,639	4,605
Knit goods—												
Gloves, 1,000 doz. prs.		1,414	2,111	2,190	2,494	1,978		4,480	6,514	6,544	8,230	5,809
Hosiery, do.		764	497	528	797	912	3,613	1,635	1,612	1,793	2,593	2,606
Underwear and other knit goods							917	244	291	431	375	663
Wearing apparel wholly or partly of lace, or embroidered, beaded, etc.								[1] 2,632	624	717	750	813
All other							3,732	1,765	832	895	1,398	1,108
Other cotton manufactures							42,074	23,593	19,007	20,206	19,544	22,261
Handkerchiefs and mufflers—												
Not of lace, embroidered, etc., 1,000 lbs.		[1] 606	278	228	199	214	[1] 420	2,145	878	681	626	652
Lace trimmed, or embroidered, etc., do.			257	347	406	348			1,278	1,302	1,194	1,272

Laces, embroideries, etc							35,911	6,576	12,086	12,476	11,253	11,724
Product of Philippine Islands							13	296	369	361	467	929
Handmade laces							[7] 670	1,770	983	1,266	720	587
Machine-made laces							[7] 16,472	8,697	5,075	4,925	4,432	5,271
Articles in part of lace								[1] 1,304	1,237	1,379	1,474	1,365
Nets, netting veils, and veiling							[7] 1,233	1,309	1,047	1,403	1,722	1,887
Lace window curtains 1,000 sq. yds		1,461	1,464	2,338	1,858	962	[7] 770	610	500	668	515	287
Embroideries							[7] 12,712	833	673	637	647	403
All other laces, embroideries, etc							16,783	2,273	2,203	1,837	1,276	995
Carpets, carpetings, mats, and rugs 1,000 sq. yds						5,398						2,848
Other cotton manufactures, n. e. s							5,911	4,802	4,764	5,747	6,473	5,765
D. Jute and manufactures							40,632	78,556	113,339	90,087	101,277	95,989
Jute, unmanufactured tons of 2,240 lbs	93,163	71,358	62,390	80,836	59,506	57,349	7,217	9,002	13,968	11,319	8,773	8,058
Jute butts, unmanufactured do			6,373	11,579	30,543	30,470			820	2,884	3,214	
Waste bagging and waste sackcloth 1,000 lbs		[1] 11,630	62,555	37,262	22,024	33,587		[1] 265	2,905	950	484	622
Burlaps do	421,383	559,263	598,977	569,649	619,987	643,645	29,421	60,406	82,238	67,249	80,087	77,377
Bagging for cotton							648	1,822	6,158	4,230	3,057	1,856
Woven fabrics, n. e. s 1,000 lbs		[1] 2,151	1,968	2,567	2,076	2,427		[1] 705	684	769	615	722
Jute bags or sacks do		47,803	47,395	38,793	42,189	32,198	3,346	4,175	5,972	3,963	4,565	3,170
Yarns, single do		[1] 4,061	1,463	2,514	76	2		[1] 453	173	286	10	1
Other jute manufactures								[3] 372	420	486	801	969
E. Flax, hemp, and ramie, and manufactures							38,410	48,940	52,711	55,286	50,906	51,128
Flax, unmanufactured tons of 2,240 lbs	10,752	5,254	6,822	4,496	5,539	5,657	3,361	2,984	3,261	2,154	3,869	3,277
Hackled do		1,522	1,356	1,653	2,140	2,120		1,720	1,516	1,140	2,237	1,867
All other do		3,732	4,966	2,813	3,399	3,531		1,264	1,745	1,014	1,632	1,410
Hemp, unmanufactured do	6,639	3,921	2,300	1,697	1,684	1,401	1,225	1,162	860	525	575	407
Manufactures of flax, hemp, and ramie							31,824	44,794	48,590	52,808	46,462	47,443
Single yarns 1,000 lbs	4,532	4,704	2,727	2,768	2,293	2,759	728	1,484	1,330	1,325	1,216	1,216
Thread and twine do		[1] 640	699	564	417	458		[1] 721	745	602	470	563
Cordage, manila, hemp, and other fibers—												
Product of Philippine Islands 1,000 lbs		[1] 5,056	6,571	5,693	5,903	6,937		[1] 632	893	838	781	951
Other do		[1] 3,200	4,283	6,009	6,462	9,047		[1] 496	662	857	863	1,292
Fabrics							19,166	25,011	25,356	26,758	23,842	24,193
Plain woven fabrics, weighing less than 4½ oz. per sq. yd 1,000 lbs		[1] 5,337	2,869	3,861	3,839	,483		[1] 7,577	3,925	4,942	4,482	5,671
Woven fabrics of flax 30 to 100 threads to the sq. inch, 4½ to 12 oz. to the sq. yd., 12 to 24 inches in width 1,000 lbs		[1] 4,049	3,578	2,642	2,039	1,988		[1] 3,060	2,502	1,779	1,346	1,220
Table-damask and manufactures								[1] 5,781	6,732	6,977	6,178	7,116
Other woven fabrics, flax, chief value 1,000 lbs		[1] 11,500	11,390	11,103	8,998	9,756		[1] 12,370	9,764	9,411	7,523	7,390
Other fabrics of hemp or ramie do			3,689	4,215	3,675	3,531		[1] 1,577	2,433	3,649	3,953	2,796
Wearing apparel								429	264	327	490	755
Towels or napkins of flax, hemp, or ramie thousands		[2] 14,206	26,033	30,298	19,412	21,025		[2] 3,144	4,248	4,256	3,179	3,317

[1] Average for years 1923–1925. [2] Average for years 1924–25. [7] Average for years 1912–1914. [3] Average for years 1922–1925.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie, and manufactures—Con.												
Handkerchiefs—												
Not embroidered nor of lace, 1,000 doz.		2,301	2,777	3,716	3,772	4,449	2,351	3,663	3,297	4,006	3,825	4,175
Made of lace or embroidered, do.			1,033	1,306	1,413	1,737			1,651	1,904	1,975	2,228
Laces, embroideries, etc.—												
Product of Philippine Islands							7	[21] 65	54	188	40	9
Embroideries and embroidered articles							3,850	5,175	5,257	6,381	5,617	5,349
Laces, drawn work, etc.									1,165	1,155	1,109	739
Woven articles and mfrs. of flax, n. e. s.							5,722	4,604	2,967	3,216	2,439	2,037
Mfrs. of flax, hemp, ramie, etc., n. e. s.								2,061	701	691	565	619
F. Other vegetable fibers and manufactures							29,527	34,675	50,053	41,247	38,955	42,375
Unmanufactured fiber, tons of 2,240 lbs.	239,680	213,452	222,866	206,009	215,743	238,032	28,472	33,368	49,013	39,286	35,569	40,239
Istle or tampico fiber, do.	9,243	12,248	13,439	13,391	13,507	11,678	770	1,212	1,927	1,886	1,631	1,289
Manila or abaca fiber, do.	71,922	71,452	69,270	51,421	47,313	72,190	9,910	12,318	18,282	13,138	9,588	13,496
New Zealand fiber, do.	5,079	[23] 917	5,549	4,568	2,861	4,054	555	[23] 151	980	717	402	576
Sisal and henequen fiber, do.	140,315	109,124	119,009	118,820	134,616	134,683	15,813	14,478	21,762	18,219	19,533	21,088
Kapok fiber, do.	[11] 2,210	8,324	7,945	9,221	7,440	7,133	[11] 571	3,647	4,863	4,496	3,210	2,841
All other, n. e. s., do.	11,354	12,121	7,654	8,579	10,006	8,294	967	1,682	1,199	830	1,206	949
Manufactures of—												
Binding twine, 1,000 lbs.	9,499	9,791	7,451	15,805	13,438	18,946	729	1,134	933	1,837	1,311	1,013
Coir yarn, do.	7,747	2,826	1,670	1,978	1,381	2,187	326	173	106	124	76	123
H. Miscellaneous fiber manufactures							2,782	2,913	3,765	4,738	4,601	4,490
Floor coverings—												
Mats of coco fiber or rattan, 1,000 sq. ft.			4,166	3,690	4,624	4,059			442	363	468	403
Matting and mats of China, Japan, and India straw, 1,000 sq. yds.	26,521	7,034	3,335	2,886	1,507	1,425	1,988	1,207	452	351	176	170
Other floor coverings, do.			4,809	5,035	3,675	3,538			1,042	1,027	851	1,095
Other manufactures of fibers, textile grasses, straw, etc., n. e. s.							794	1,616	1,827	2,933	3,106	2,822
I. Wool, including *mohair*, etc., *unmanufactured*, 1,000 lbs.	207,584	339,811	310,266	287,287	244,553	280,371	39,259	102,369	106,731	82,933	79,861	87,344
Carpet wool (actual weight), do.	105,124	138,453	115,521	144,256	149,326	175,007	14,810	29,695	30,102	37,470	37,947	46,989
On the skin or in the grease, do.		[2] 115,270	77,001	99,942	107,876	126,617		[2] 30,534	19,519	24,620	25,904	31,900
Washed or scoured, do.		[2] 34,194	38,520	44,314	41,450	49,390		[2] 10,169	10,583	12,850	12,043	15,089
Clothing wool (actual weight), do.	83,046	63,677	15,223	17,461	18,408	18,498	19,497	17,137	5,371	6,020	8,051	6,965
In the grease (actual weight), do.		[2] 16,192	14,876	16,772	17,580	17,654		[2] 6,740	5,163	5,657	7,450	6,453
and washed (clean content), do.		[2] 9,392	8,255	9,226	9,843	9,682		[2] 2,778	208	363	601	512
Scoured, do.		[2] 4,440	347	689	828	844						

Combing wool (actual weight)	do	19,414	132,028	168,708	102,791	72,627	83,709	4,952	53,335	65,015	28,265	31,729	31,901
In the grease (actual weight	do		[2] 124,432	166,969	101,363	71,122	82,677		[2] 62,016	64,798	37,451	30,814	31,266
and washed (clean content	do		[2] 72,876	96,913	60,925	42,995	49,050						
Scoured	do		[2] 5,120	1,739	1,428	1,505	1,032		[2] 3,452	1,118	814	915	635
Hair of the Angora goat, Cashmere goat, alpaca, etc. (actual weight)	1,000 lbs	(24)	5,653	10,814	2,779	4,193	3,156	(24)	2,201	5,332	1,179	2,134	1,489
Hair of the Angora (actual weight	do		[1] 3,454	10,666	2,499	3,263	1,968		[1] 1,665	5,249	1,028	1,633	812
goat (mohair) (clean content	do				1,799	2,407	1,379						
Hair of the Cashmere (actual weight	do		[1] 1,236	148	281	929	1,188		[1] 518	83	141	501	677
goat, alpaca, etc. (clean content	do				182	636	818						
J. Wool, semimanufactures									20,544	11,473	14,579	16,131	13,632
Noils	1,000 lbs			4,733	9,137	8,499	6,002			2,568	5,684	6,330	4,785
Wool rags, flocks, and mungo	do		33,041	20,320	19,409	23,003	20,486		12,161	5,725	5,780	6,657	5,762
Waste	do			3,993	4,451	4,678	2,847			2,215	2,219	2,695	1,613
Tops of wool, mohair, and other hair	do			98	235	64	728			57	417	62	735
Other wool advanced	do		4,902	1	(23)	1	10		3,288	2	(12)	1	8
Yarns	do		3,967	664	289	205	240		5,094	906	479	386	738
Mohair	do		[2] 774	327	115	60	76		[2] 958	372	130	75	374
Wool or other hair	do		[2] 1,250	337	174	144	163		[2] 1,958	534	349	311	364
K. Wool manufactures								21,525	44,048	59,194	64,196	62,260	64,268
Woven fabrics of mohair and wool	1,000 sq. yds		[2] 22,082	19,498	22,421	18,641	19,518	12,578	18,774	20,949	22,285	19,285	20,023
	1,000 lbs		9,938	10,312	11,210	9,919	10,037						
Mohair fabrics	1,000 sq. yds		[2] 396	148	572	416	402		[1] 214	79	226	170	173
	1,000 lbs		[1] 102	40	119	91	96						
Worsteds—													
Weighing not over 4 oz. per sq. yd	1,000 sq. yds		[2] 212	107	101	306	473		[2] 104	56	44	135	220
	1,000 lbs		[2] 48	25	21	58	84						
Weighing over 4 oz. per sq. yd	1,000 sq. yds		[2] 1,580	1,389	1,586	2,096	2,775		[2] 1,924	2,211	2,413	3,123	3,831
	1,000 lbs		[2] 806	771	855	1,133	1,485						
Woolens—													
Weighing not over 4 oz. per sq. yd	1,000 sq. yds		[2] 4,230	4,150	6,263	4,055	4,574		[2] 1,918	1,836	2,609	1,688	1,822
	1,000 lbs		[2] 885	830	1,299	838	968						
Weighing over 4 oz. per sq. yd	1,000 sq. yds		[2] 15,666	13,704	13,901	11,769	11,294		[2] 17,246	16,767	16,992	14,169	13,977
	1,000 lbs		[2] 9,422	8,647	8,916	7,799	7,404						
Other fabrics of wool	do		[2] 34	18	42	24	13		[1] 72	50	206	120	63
Carpets and rugs	1,000 sq. yds	1,042	2,365	3,292	3,282	3,185	3,340	4,320	13,149	21,099	21,503	21,454	21,509
Oriental, Axminster, Savonnerie, Aubusson, oriental weave, and chenille, Axminster	1,000 sq. yds		[1] 2,187	2,589	2,381	2,229	2,304		[1] 14,423	19,328	18,908	18,413	18,067
All other	do		[1] 610	703	900	956	1,036		[1] 1,389	1,771	2,595	3,041	3,442

[1] Average for years 1923 to 1925. [2] Average for years 1924-25. [11] Average for years 1911-1914. [12] Less than 500. [23] 192 only. [24] Included with wool.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3. TEXTILES—Continued												
K. Wool manufactures—Continued.												
Wearing apparel												
Knit goods—												
Hosiery, 1,000 doz. prs.							2,137	9,610	14,644	16,869	18,415	19,975
Gloves and mittens, do.		[1] 506	372	384	399	394		[1] 3,188	2,674	2,539	2,531	2,337
Knit outer and underwear, 1,000 lbs.		[1] 183	152	162	140	98		[1] 471	340	343	282	194
Hats and hat bodies of wool-felt, do.		[1] 310	286	455	505	527		[1] 1,193	1,213	2,017	2,300	2,693
Hat bodies of wool-felt, 1,000 doz.				1,758	5,350	7,295				3,122	8,229	10,741
1,000 lbs.					2,606	3,758					7,520	10,240
Hats of wool-felt, 1,000 doz.		[1] 1,775	4,375		4,898	7,059		[1] 5,738	10,416			
1,000 lbs.					244	113					809	501
All other wearing apparel, do.					452	236						
				3,462	1,441	893				8,848	5,014	4,010
Wool laces, embroideries, etc.												
Other manufactures of wool								[2] 730	215	297	421	428
L. Hair and manufactures, n. e. s.							2,490	2,173	2,238	3,036	2,565	2,369
Human hair—							5,414	8,944	7,302	6,065	4,327	5,464
Raw, uncleaned, 1,000 lbs.		1,581	3,128	2,786	2,292	2,074	1,962	800	1,261	1,223	858	571
Cleaned and drawn, not manufactured, 1,000 lbs.												
Nets and netting of human hair, 1,000 gross			3	5	3	5	[23] 415	[23] 4,585	12	8	8	7
Other manufactures of human hair			806	553	484	665			933	570	482	631
Horse hair, tails, or manes, 1,000 lbs.	4,844	4,899	4,670	4,757	4,099	3,692			227	188	136	174
Cattle body hair, ordinary, do.					4,409	8,300	1,997	2,330	2,618	2,558	2,112	1,907
Other animal hair, n. e. s. do.	11,799	9,275	17,719	8,127	3,410	8,247	1,040	1,152	2,030	1,411	432	679
Manufactures of horse and cattle hair, do.		[3] 665	758	263	195	179		[3] 120	220	106	740	1,442
											60	53
M. Silk, unmanufactured, 1,000 lbs.	28,670	62,030	77,666	86,345	88,269	98,016	79,503	356,287	402,678	398,088	373,331	432,340
Cocoons, do.	91	176	111	59	55	289	39	163	108	72	37	269
Raw silk, do.	23,799	52,119	66,422	74,005	75,489	87,068	77,058	348,123	392,760	390,365	367,997	427,126
Waste, do.	4,781	9,735	11,133	12,281	12,725	10,659	2,406	8,000	9,808	8,650	5,297	4,955
N. Silk manufactures							29,870	40,941	40,570	42,234	41,388	39,037
Spun silk or schappe silk yarn, 1,000 lbs.	3,280	1,383	582	873	523		5,715	4,385	1,824	2,103	1,754	383
Singles, do.		[1] 243	92	81	49	52		[1] 642	264	157	141	174
Advanced, do.		[1] 1,109	490	792	574	261		[1] 3,927	1,560	1,945	1,613	710
Bolting cloths, do.		[1] 21	25	24	30	21	251	488	617	605	741	594
Fabrics, broad, except pile fabrics, do.		2,959	3,739	3,526	3,448	3,857	9,068	17,580	18,627	17,862	16,426	16,812
All silk—												
In the gray, do.		[1] 1,575	2,278	2,123	2,072	2,354		[1] 8,950	9,931	8,059	6,811	6,575
Dyed, colored, advanced, do.		[1] 782	970	989	1,120	1,111		[1] 5,435	7,044	8,308	8,680	8,296

Mixed, chief value silk ..... do		[1] 272	491	414	256	392		[1] 831	1,651	1,434	935	1,941
Plushes, velvets, and chenilles ..... do	682	660	428	708	1,048	957	2,664	4,029	2,839	4,596	7,579	6,585
Velvet or plush ribbon ..... do			131	110	72	46			640	639	426	292
Silk ribbons not over 12 inches wide ..... do		89	63	54	29	25	1,191	484	293	304	172	150
Bandings, belting, bindings, etc							567	186	111	146	103	70
Silk wearing apparel							4,620	6,310	8,334	8,556	7,743	7,453
Product of Philippine Islands							1	16		76	90	186
Shirts, collars, and clothing, not knit							4,619	5,404	3,897	3,790	3,870	3,542
Embroidered, etc., or of lace									4,192	4,314	3,514	3,460
Knit or crocheted									245	375	269	265
Silk handkerchiefs and mufflers—												
Hemmed or not hemmed ..... 1,000 doz		483	522	631	477	523		923	1,160	1,331	949	1,025
Embroidered or of lace ..... do			147	195	296	284			230	239	236	200
Silk laces, embroideries, etc							4,093	4,722	4,259	4,315	4,081	3,830
Laces and lace articles								[1] 1,381	1,080	1,132	1,198	1,117
Veils and veilings								[1] 380	59	66	118	61
Nets and nettings								[1] 533	500	493	831	864
Embroideries								[1] 1,281	1,910	2,072	1,012	1,482
All other								[1] 775	710	553	323	306
All other manufactures of silk							1,706	1,834	1,034	1,538	1,178	1,142
O. Rayon manufactures							2,800	9,216	14,066	18,905	15,789	18,666
Waste and yarns made from waste ..... 1,000 lbs		[1] 4,639	4,528	2,299	2,748	5,024		[1] 1,525	1,413	639	405	1,285
Yarns, threads, and filaments ..... do	[7] 2,053	3,675	10,063	16,236	12,734	15,950	[7] 2,535	5,440	9,051	13,664	10,902	12,147
Braids and manufactures of								[1] 631	774	531	519	90
Fabrics, woven and knit ..... 1,000 lbs						286						1,252
Laces, embroideries, etc												311
All other manufactures							[11] 1,421	2,059	2,661	3,894	3,670	2,307
Artificial horsehair and manufactures							143	424	767	177	273	620
Visca, cellophane, and other cellulose products												653
P. Miscellaneous textile products							12,054	15,354	23,860	23,234	20,672	27,284
Linoleum, inlaid ..... 1,000 sq. yds	4,578	1,213	755	622	502	512	1,905	1,271	931	690	551	516
Other linoleum and floor oil cloth ..... do			746	470	227	47			792	476	214	32
Tracing cloths ..... 1,000 sq. yds		[1] 3,140	2,755	2,047	2,198	2,599		[1] 1,454	1,390	1,104	1,165	1,377
Other coated, or waterproof fabrics ..... do			1,215	1,610	2,505	2,160			383	426	661	589
Hats of straw or fiber and materials							9,688	10,213	15,156	14,289	10,823	18,764
Materials—Braids, etc., of straw, etc. ..... 1,000 yds		1,226,751	1,417,171	1,256,067	638,349	798,675	5,507	5,329	4,885	5,234	3,060	4,403
Hats of straw, grass, etc ..... thousands			29,571	32,498	22,235	37,606	4,181	4,884	10,271	9,054	7,763	14,351
Product of Philippine Islands ..... do		344	743	365	673	810	225	521	1,483	852	1,855	2,019
Not blocked or trimmed ..... do		11,873	7,289	5,966	4,286	7,560		2,605	4,692	4,005	3,464	6,099
Blocked or trimmed ..... do		3,515	3,969	3,595	1,043	4,720	3,956	935	1,914	2,017	781	2,844
Sewed ..... do		[2] 2,257	2,144	2,268	2,839	7,681		[2] 1,253	1,105	1,117	1,060	2,458
Harvest hats less then $3 per dozen ..... do		[2] 14,234	15,425	20,304	13,393	16,835		[2] 802	1,078	1,063	603	931

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[7] Average for years 1912–1914.
[11] Average for years 1911–1914.
[23] Data prior to Sept. 22, 1922, are "manufactures of hair."

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 3. TEXTILES—Continued												
P. *Miscellaneous* textile products—Continued.												
Fur-felt hats—												
Men's and boys'—thousands	[7] 544	287	893	1,138	1,529	387	[7] 769	712	2,232	2,451	3,356	1,123
Women's and girls'—do						1,166		[1] 3,255	2,975	3,798	3,901	2,201 2,692
Artificial flowers, etc., and manufactures												
GROUP 4.—WOOD AND PAPER												
Total							79,851	296,590	372,753	365,572	358,779	377,328
A. Wood, unmanufactured												
Cedar—1,000 ft. b. m.							9,588	14,979	16,932	18,046	14,619	17,706
Logs of fir, spruce, or western hemlock—do		[1] 125,990	69,832	23,941	25,958	33,443		[1] 2,213	1,113	405	410	525
Logs and timber (except cabinet woods)—do	159,242	[1] 91,916	107,253	121,540	50,644	86,994	1,664	2,125	2,145	1,614	710	1,257
Cabinet woods in the log—				108,780	80,850	71,739				2,011	1,522	1,674
Product of Philippine Islands—do		[3] 928	2,043	7,418	5,116	5,847		[3] 54	106	345	207	167
Mahogany—do	53,684	54,074	68,431	72,828	48,041	53,056	3,840	4,623	5,309	5,897	3,503	3,778
Cedar, Spanish [26]—do	17,776	9,277	5,577	4,231	4,779	5,239	982	583	343	272	331	347
All other—do		[3] 7,143	8,498	7,754	8,299	17,122	1,066	692	883	951	1,271	2,340
Railroad ties—thousands		[1] 1,036	1,237	1,095	878	921		[1] 691	1,007	889	676	736
Rattan, unmanufactured—1,000 lbs.		[1] 14,154	11,622	8,896	8,777	10,365	992	1,249	969	750	680	686
Poles—telegraph, telephone, etc—thousands		[1] 621	791	797	828	972		[1] 2,737	3,294	3,355	3,319	4,080
Brier, ivy, or laurel root—1,000 lbs.		[3] 4,832	4,696	4,318	4,398		335	[3] 294	300	283	340	305
Other unmanufactured wood							709	2,101	1,513	1,275	1,640	1,803
B. Wood semimanufactures—sawmill products							22,061	68,410	74,579	64,004	54,885	54,180
Boards, planks, and deals—												
Softwood—M ft.	970,039	1,576,375	1,776,505	1,633,785	1,372,405	1,418,419	17,571	48,765	48,776	43,180	35,409	36,520
Hardwood—do			91,545	72,951	58,443	85,656			4,998	4,296	3,194	4,375
Cabinet woods, sawed—												
Product of Philippine Islands—do	985	10,946	26,347	32,931	33,881	34,521	52	638	1,225	1,634	1,538	1,582
Other cabinet woods, sawed—do		5,239	4,774	4,960	3,675	4,190		379	365	388	305	325
Other lumber							1,123	[22] 2,287				
Laths—millions	665	1,478	1,832	1,705	1,293	787	1,727	8,627	9,743	7,250	6,322	3,562
Shingles—do	675	2,430	2,492	1,965	2,066	1,673	1,588	9,162	8,907	6,693	7,657	6,850
Pickets and palings—thousands		[3] 45,788	55,133	57,154	50,230	43,203		[3] 478	561	565	461	446
C. Wood manufactures							4,207	9,055	10,483	10,615	10,636	10,837
Barrels, boxes, and shooks—thousands		[1] 1,564	3,293	1,992	2,122	1,669		[1] 365	284	354	418	255

Baskets—												
Product of Philippine Islands, number		57,359	14,062	3,546	3,146	(12)		24	7	2	1	(12)
All other baskets, thousands		13,782	13,285	11,773	12,021	14,589		1,780	1,289	1,108	976	1,006
Cane or reed and manufactured rattan, 1,000 lbs.		[1] 5,163	4,746	4,083	3,606	4,385	471	622	557	429	384	435
Osier or willow for basket making, do		[1] 1,908	1,330	829	505	413		[1] 128	84	41	23	25
Manufactures of rattan, bamboo, osier, or willow (except furniture)								[1] 574	460	210	185	161
Walking canes, handles, and sticks for umbrellas, etc								[2] 249	273	278	287	256
Furniture of rattan, reed, bamboo, grass, osier, willow, or fiber							888	2,479	421	357	221	248
Other furniture of wood									3,523	4,631	5,040	5,329
Mfrs. of wood, product of Philippine Islands							3	38	34	84	84	103
Other manufactures of wood							2,845	3,486	3,551	3,122	3,006	3,019
D. Cork and manufactures							5,795	4,689	9,704	9,909	9,938	13,118
Wood or bark, unmanufactured, 1,000 lbs.		56,824	126,355	124,001	87,798	90,642	3,535	1,398	2,909	3,063	3,067	3,240
Waste shavings, etc, do		140,950	179,347	99,090	141,873	176,956		1,749	2,732	2,312	3,141	4,989
Disks, wafers, and washers, do		428	1,109	734	522	497		344	942	535	441	408
Cork insulation, do		[1] 20,371	38,506	50,403	43,866	70,445		[1] 764	1,968	3,100	2,229	4,038
Cork stoppers, do			543	412	499	289		[10] 339	429	630	661	207
All other cork manufactures							2,260	661	724	268	399	236
E. Paper base stocks							27,520	94,219	121,508	113,632	112,296	118,133
Pulp woods, 1,000 cords	976	1,248	1,384	1,597	1,546	1,350	6,399	13,607	14,176	16,484	16,157	14,568
Rough spruce, do		286	367	431	461	369		2,956	3,633	4,240	4,578	3,771
Other rough, do					54	32					502	310
Peeled spruce, do	976	844	928	1,074	705	730	6,399	9,082	9,438	11,014	7,749	8,493
Other peeled, do					273	202					2,529	1,828
Rossed spruce, do		117	89	91	50	17		1,569	1,105	1,231	742	195
Other rossed, do					3						57	1
Wood pulp, tons of 2,240 lbs	471,796	1,165,276	1,545,904	1,496,222	1,566,931	1,679,222	14,631	87,002	91,231	85,842	83,464	88,573
Mechanically ground wood pulp, do	178,335	229,222	271,213	219,285	222,499	244,162	3,199	7,183	8,278	5,962	5,443	6,246
Sulphite wood pulp[27]—												
Unbleached, do	220,468	446,770	628,923	613,856	640,660	701,456	7,791	24,924	37,032	34,263	32,587	35,329
Bleached, do	72,993	221,605	294,818	311,130	307,926	334,235	3,641	18,545	23,678	24,225	23,368	25,339
Soda pulp, do		1,226						76				
Sulphate wood pulp, unbleached (Kraft pulp), tons of 2,240 lbs		249,746	334,803	341,162	381,256	384,005		15,270	21,193	20,684	21,171	20,519
Sulphate wood pulp, bleached, do		16,708	16,147	10,789	14,590	15,364		1,004	1,049	709	895	1,140
Other pulp, do		[1] 1,695	3,857	3,348	6,728	6,050		[1] 109	256	244	455	514
Rags for paper stock, 1,000 lbs	200,326	379,223	476,764	388,121	439,893	446,496	2,623	8,318	10,373	7,647	8,195	9,342
Waste bagging, waste paper, etc, do		[1] 122,179	113,322	108,793	148,756	141,615		[1] 1,775	2,395	1,429	1,958	1,658
Old rope and all other paper stock, do		118,277	79,036	64,978	70,724	131,085	3,867	4,162	3,075	1,985	2,065	3,448

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[10] 1925 only.
[12] Less than 500.
[23] 1921 only.
[25] "Cedar" prior to 1923.
[27] Data for 1910–1914 are "chemical wood pulp, unbleached," and "chemical wood pulp, bleached."

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 4. WOOD AND PAPER—Continued												
F. Paper and manufactures												
Printing paper—												
Standard newsprint, 1,000 lbs.	238,212	2,374,511	3,701,350	3,974,129	4,314,333	4,845,401	10,660	105,239	139,499	149,385	156,407	168,365
All other, n. e. s., do		13,335	16,376	10,420	7,339	4,360	4,804	90,395	123,982	131,489	139,433	144,493
Grease-proof and waterproof papers, do		[1] 2,306	2,227	1,622	1,262	1,777		657	827	512	343	221
Kraft wrapping paper, do								[1] 249	383	262	232	460
All other wrapping paper, do		46,975	8,868	12,198	10,762	9,706	[2] 874	1,995	391	518	460	423
Writing, letter, drawing, etc., papers, do			5,556	12,914	16,224	7,115			367	337	392	221
Surface-coated, do		[1] 3,139	3,761	3,419	3,108	3,227		[1] 672	928	885	807	893
Tissue, copying, etc., paper, do	5,464	1,269	2,068	2,235	2,371	2,452	589	344	756	912	1,104	1,046
Pulp boards in rolls, do		[1] 2,385	2,882	3,231	3,569	5,009		[1] 1,022	1,405	1,836	2,053	2,068
Paper boards, pulp boards, and cardboard, 1,000 lbs.		65,850	70,765	60,128	52,770	58,725		1,786	1,718	1,423	1,151	1,272
Leather board, test and wall board, do					21,106	20,488						
Cigarette paper, cigarette books and covers, 1,000 lbs.					880	2,048		[1] 735	916	827	470	486
Hanging paper (wall paper), do		[1] 11,275	8,276	14,685	11,689	12,357	[3] 807	3,362	2,183	4,292	3,214	4,102
Duplex decalcomania, not printed, do		[1] 10,022	3,529	2,358	2,164	2,870	[4] 900	541	597	634	657	750
Paper boxes		[1] 447	690	702	626	686		123	170	159	142	146
Pulp or papier-mâché and manufactures of, n. e. s.								[1] 1,264	965	1,447	1,789	1,720
All other paper and manufactures									405	339	436	581
GROUP 5.—NONMETALLIC MINERALS							3,720	3,423	3,507	3,493	3,697	3,797
Total												
A. Coal and related fuels							89,306	230,110	301,394	282,937	286,153	306,060
Anthracite coal, tons of 2,240 lbs.	4,416	186,362	726,746	106,277	343,488	434,975	4,727	12,330	12,273	5,028	6,513	7,060
Bituminous coal, shale, and lignite, 1,000 tons of 2,240 lbs.	1,525	1,646	475	491	488	442	17	1,560	6,997	837	2,591	3,329
Bituminous coal, shale, and lignite, do		[5] 1,236	92	71	110	73	4,240	9,804	2,304	2,447	2,398	2,157
Bituminous coal and shale, do		[1] 572	383	420	378	369		[3] 7,378	480	346	500	300
Coke, tons of 2,240 lbs.	110,663	88,327	254,061	150,767	131,876	106,896		[1] 3,193	1,816	2,101	1,898	1,857
Charcoal, briquets, etc							470	881	2,174	1,372	1,133	1,092
								[1] 92	797	373	391	481
B. Petroleum and products												
Crude petroleum, 1,000 bbls. of 42 gals.	7,304	94,857	60,382	58,383	79,767	78,933	6,252	90,793	124,556	113,494	132,842	143,357
Refined petroleum oil products, do		12,545	20,902	13,281	11,700	29,832	5,858	68,012	79,308	78,609	90,473	79,943
Topped, including fuel oils, do								22,214	44,597	33,038	40,943	61,023
Tops and other unfinished distillates, do		9,673	14,432	8,124	7,268	20,545		11,356	16,908	10,176	8,485	16,513
Gasoline, naphtha, and other finished light products, 1,000 bbls. of 42 gals.		2,840	823	91	20	5			2,633	338	34	22
			5,540	5,002	4,198	8,834		10,617	24,553	22,773	31,516	43,335

Illuminating oil (kerosene)—do		[1] 12	74	55	292	208		[1] 85	236	248	716	562
Lubricating oils, including paraffin oil—do		[1] 26	33	8	13	39		[1] 190	267	103	192	591
Paraffin and paraffin wax—1,000 lbs	8,868	10,458	9,983	20,462	24,741	40,860	394	566	652	1,187	1,526	2,591
C. Stone, sand, cement, and lime							2,451	5,321	9,562	8,196	7,347	8,915
Marble, breccia, and onyx—												
In blocks, or sawed over 2 inches thick—1,000 cu. ft		587	865	954	591	727	1,429	1,220	1,792	2,531	1,691	1,734
Manufactures								333	684	880	805	827
Other building or monumental stone, n. e. s								593	981	874	804	1,026
Sand and gravel—1,000 tons of 2,240 lbs		[1] 510	846	657	674	1,507	143	[1] 258	342	303	365	752
Other stone, n. e. s							548	198	280	286	234	225
Cement, Roman, Portland, and other hydraulic—1,000 bbls [28]	196	1,558	3,232	2,050	2,284	1,728	276	2,582	5,125	2,956	3,091	1,938
Lime and limestone, crude—1,000 lbs	10,477	[1] 45,351	54,754	55,305	54,055	65,696	55	[1] 368	358	366	359	412
D. Glass and glass products							6,476	16,989	20,875	17,033	15,240	13,993
Cylinder, crown and sheet—												
Unpolished, not bent, obscured, beveled, etc.—												
Weighing less than 80 pounds per case—1,000 lbs	[29] 27,623	[29] 44,800	81,634	45,984	37,178	33,989	[29] 1,009	[29] 2,342	3,191	1,226	1,113	962
Weighing 80 pounds or over per case—do				36,763	30,413	32,831				1,635	1,342	1,223
Polished, and bent, obscured, beveled, colored, etc., unpolished, and polished, and all silvered								[1] 613	548	392	561	564
Plate glass—												
Cast, polished, unsilvered—1,000 sq. ft	2,634	15,896	26,664	15,409	15,843	10,953	606	8,246	8,852	4,310	3,555	2,257
Other—do				1,377	1,727	1,827				332	428	363
Bottles, vials, jars, demijohns, and carboys, molded or pressed								248	255	193	248	308
Table and kitchen utensils								[1] 172	118	200	298	282
Glassware, cut or decorated							[11] 1,125	1,859	2,939	3,751	2,905	3,205
Blown glassware, n. e. s.—												
Bottles, ornaments, etc									1,865	1,863	1,885	1,702
Bulbs for electric lamps—thousands			18,424	15,127	15,741	15,227		[1] 2,688	207	159	175	137
Chimneys, globes, shades, etc									1,025	968	988	802
Articles and utensils for chemical, scientific, and experimental purposes									532	537	548	648
Other glassware							3,034	2,210	1,341	1,466	1,393	1,481
E. Clay and clay products							12,639	19,016	25,919	25,667	23,597	24,394
Clays and earths—												
Kaolin, china, and paper clay—tons of 2,240 lbs	[11] 242,143	270,129	353,746	302,693	274,472	249,921	[11] 1,605	2,792	3,484	2,937	2,903	2,699
Other clays, n. e. s—do	118,179	59,329	85,879	55,851	53,906	62,419	708	607	830	582	585	727

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[5] Average for years 1913–14.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[28] Barrels of 376 pounds.
[29] "Cylinder, crown, and sheet" prior to 1923.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 5. NONMETALLIC MINERALS—Continued												
E. Clay and clay products—Continued.												
Pottery												
China and porcelain wares—							10,647	15,050	19,286	20,198	17,947	18,808
Table, toilet, and kitchen ware—												
Plain white or brown												
Domestic or household ..1,000 doz			828	471	531	626	1,081	670	485	300	341	349
Hotel ware ..do					516	542					320	288
Decorated ..do					14	84					12	61
Domestic or household ..do			9,135	9,284	9,010	8,867			10,349	10,498	9,138	8,992
Hotel ware ..do					8,584	8,544					8,442	8,459
Bisque and Parian ..do					426	323	8,808	8,532			696	533
Other china and porcelain			306	510	723	875			615	845	828	988
Earthen, crockery, and stone ware—									771	505	364	346
Table, toilet, and kitchen ware—												
Domestic or household [30]—												
Plain, white, yellow, etc ..1,000 doz			598	615	603	453						
Decorated ..do			4,007	4,283	3,936	4,715			519	404	385	339	272
Hotel ware, plain or decorated [30] ..do					453	408			4,217	5,149	5,590	4,259	4,954
Other (except common) earthen, crockery, etc., ware												691	595
Common earthen and stone and Rockingham earthenware ..1,000 doz			97	93	129	65	758	909	1,312	1,784	1,839	2,180
Tiles ..1,000 sq. ft			6,209	5,255	6,162	6,330		[1] 329	202	201	149	128
Bricks								[1] 884	1,070	1,077	1,341	1,490
Articles of earthy or mineral substances, n. e. s									1,073	676	574	318
									176	196	186	356
F. Precious stones and pearls and imitations												
Diamonds—							42,687	66,473	80,651	68,730	74,559	79,650
Rough, uncut ..carats		153,216	236,953	237,095	291,302	354,367	[31] 9,959	7,831	13,071	11,470	11,935	9,878
Cut, but not set ..do		453,028	555,363	445,571	440,437	416,992	24,699	43,692	51,362	40,736	42,396	42,010
Glaziers', engravers', and miners' diamonds ..carats		32,425	41,475	34,645	38,342	46,949	([31])	1,087	1,940	2,150	2,757	4,068
Pearls and parts, not strung or set							[11] 3,325	6,741	5,357	6,078	7,164	10,389
Imitation precious stones							[7] 1,231	2,184	2,724	2,670	4,198	3,945
Other precious stones, rough, uncut							139	640	320	215	293	352
Other precious and semiprecious stones, cut but not set							[7] 2,961	4,299	5,877	5,410	5,817	9,008

G. Other nonmetallic minerals							14,124	19,188	27,559	24,750	25,054	30,467
Abrasives							1,082	3,082	4,379	3,370	3,841	4,962
Natural abrasives—												
Corundum ore—tons of 2,240 lbs	1,145	2,418	4,831	1,133	1,400	3,378	128	165	302	70	83	201
Emery ore—do	14,816	5,453	4,237	4,126	4,846	5,717	270	159	183	72	84	101
Diamond dust and bort							84	[1] 417	271	59	31	90
Pumice stone and manufactures							85	[1] 123	129	124	160	152
Flint, unground—tons of 2,240 lbs		13,534	13,474	13,563	14,035	12,542	305	123	120	94	144	127
Other								[8] 291	83	94	74	78
Artificial abrasives, crude—1,000 lbs		60,599	108,057	95,116	112,584	151,542	117	1,962	2,993	2,545	2,970	3,816
Other abrasives and manufactures							93	118	298	313	295	367
Asbestos—												
Crude (including blue fiber)—tons of 2,240 lbs	63,727	151,443	230,019	199,726	12,402	15,157	1,452	5,655	8,143	8,150	3,051	4,334
Mill fiber—do					80,235	85,164					4,096	4,576
Stucco and other unmanufactured—do					113,251	133,988					1,871	2,243
Singles and slates of asbestos cement—1,000 lbs		[1] 24,153	61,867	135,441	56,371	56,307	337	472	1,170	2,177	1,086	752
Other manufactures—do						907						226
Asphalt and bitumen—tons of 2,240 lbs	177,016	121,501	127,350	141,158	106,775	108,053	835	1,064	1,046	1,140	865	956
Carbon and manufactures							509	323	577	615	339	603
Chalk—												
Unmanufactured—tons of 2,240 lbs	134,235	101,968	104,856	110,245	96,856	102,563	115	143	135	139	116	120
Manufactures—1,000 lbs		[1] 14,648	23,034	2,948	3,795	4,630	78	121	155	90	108	111
Cryolite or kryolith—tons of 2,240 lbs		[2] 8,082	7,599	5,064	6,906	7,778		[2] 506	558	411	529	671
Fluorspar—do	24,037	[3] 31,539	67,563	63,853	42,128	48,522	80	[3] 365	747	595	409	481
Gypsum or plaster rock—												
Crude—do	370,011	407,930	735,787	739,838	918,586	925,344	438	648	1,276	1,168	1,341	1,061
Ground, calcined, cements, and other manufactures							60	[1] 156	212	224	201	153
Mica—												
Unmanufactured—1,000 lbs		691	820	757	503	1,317	730	447	614	393	257	752
Mica splittings—do		[1] 5,391	6,183	2,532	3,134	5,556		1,437	2,184	1,091	842	1,212
Cut, ground, or manufactured—do					54	136					89	216
Pyrites, or sulphuret of iron, containing more than 25 per cent sulphur—1,000 tons of 2,240 lbs	883	256	306	251	458	514	3,492	929	857	648	1,141	1,508
Talcum, steatite, and French chalk—1,000 lbs	21,165	35,574	48,092	50,246	54,016	62,494	118	368	564	545	576	671
Magnesite—												
Crude and calcined—do	270,444	167,439	30,877	20,703	12,473	13,600	1,311	1,287	337	232	138	149
Dead burned and grain—do			154,215	99,745	114,530	92,764			1,120	728	836	670
Salt—do	286,839	193,988	121,455	95,844	84,049	91,675	392	424	215	169	150	152
Graphite or plumbago—do	49,520	29,004	32,387	34,857	35,686	47,922	1,704	553	924	722	809	1,065
Mineral wax—do	6,879	6,358	8,286	7,000	10,901	9,791	513	341	480	579	594	617
Other nonmetallic minerals, n. e. s							818	1,379	1,858	1,564	1,769	2,235

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[30] "Hotel ware" is included with "domestic or household ware" prior to Jan. 1, 1928.
[31] "Rough uncut diamonds" includes "glaziers', engravers', and miners' diamonds."

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							153,302	243,287	364,027	328,350	315,654	385,953
A. Iron ore and concentrates 1,000 tons of 2,240 lbs	2,187	1,691	2,555	2,621	2,453	3,139	6,719	6,955	5,876	6,068	5,428	8,145
B. Iron and steel semimanufactures												
Pig iron tons of 2,240 lbs	170,144	285,772	445,779	132,568	140,694	147,763	13,740	11,711	16,423	10,006	10,691	11,002
Iron and steel scrap do	46,976	102,632	86,725	60,209	63,314	90,479	5,464	6,021	7,709	2,254	2,232	2,398
Steel bars 1,000 lbs		[23] 69,262	231,781	204,954	191,172	85,614	555	1,498	991	729	1,006	1,467
Bar iron do	62,806	15,153	12,600	9,467	5,472	6,564		[22] 1,664	4,413	4,091	3,847	3,376
Wire rods do	34,404	9,600	22,568	40,293	43,227	35,063	1,231	394	291	193	158	198
Boiler or other plate iron or steel sheets do		[1] 4,414	11,076	9,037	17,977	7,265	757	316	692	943	1,122	1,045
Steel ingots, blooms, slabs, etc do	70,091	55,321	69,049	30,625	48,023	59,345		[1] 89	144	126	252	116
Sheets of iron or steel, skelp, saw plates, and steel, n. e. s 1,000 lbs	9,068	5,371	23,903	35,225	51,016	56,488	3,292	2,130	1,324	706	909	1,109
Tin plate, terneplate, and taggers tin do	66,744	6,537	4,537	2,383	2,064	640	417	251	563	773	1,012	1,222
C. Steel-mill products—manufactures							2,024	373	297	192	153	72
Structural shapes and building forms 1,000 lbs	[20] 18,233	62,635	271,265	362,542	366,826	332,019	1,630	7,707	17,732	18,753	17,484	18,173
Rails for railways do	13,825	71,059	123,675	34,613	31,491	13,968	[20] 274	1,232	3,923	5,532	5,271	5,657
Pipes and tubes do		[1] 106,271	257,485	295,485	238,088	204,326	144	1,012	1,449	423	432	185
Cast-iron pipe do			187,877	183,162	136,177	113,473		[1] 2,790	5,612	7,261	5,849	5,919
Other pipes and tubes do			69,607	112,323	101,911	90,853			2,461	2,000	1,726	1,421
Wire and manufactures—									3,151	4,652	4,123	4,498
Barbed wire do			6,844	9,012	12,650	13,438						
Round wire do		[1] 8,276	9,698	8,879	10,535	13,044			185	242	329	348
Telegraph, telephone, and other insulated wire [32]								[1] 792	799	682	672	855
Flat wire and steel strips 1,000 lbs		[1] 4,300	8,240	5,603	5,745	4,871		[1] 871	221	12	26	21
Card clothing 1,000 sq. ft		[1] 322	241	313	279	301		[1] 2,239	2,076	1,709	1,770	1,642
Wire rope and strand 1,000 lbs					3,751	5,437		[1] 498	393	514	423	470
Other wire manufactures											258	443
Nails [33] 1,000 lbs		[1] 3,189	11,995	12,653	22,700	20,450	1,267	653	1,606	976	796	622
Castings and forgings do		[1] 6,378	6,133	6,845	7,128	4,200		[1] 117	348	394	677	781
Tanks, drums, or vessels for gas or liquids number			145,240	142,718	151,663	249,125		[1] 402	330	388	469	294
D. Iron and steel, advanced manufactures									788	619	472	936
Cutlery—							8,604	8,343	6,926	7,190	8,883	8,988
Razors and parts thousands		7,219	2,073	41,730	77,578	53,102	[1] 415	354	367	429	602	743

Scissors, shears, and clippers ..... do	[7] 6,044	4,562	1,943	1,612	1,210	1,293	[7] 942	552	343	323	269	273
Pen, pocket, and other folding-blade knives ..... thousands	[7] 13,646	7,391	4,390	4,498	4,305	3,858	[7] 952	602	260	233	207	194
Other cutlery ..... do		[1] 1,378	1,444	1,293	1,080	1,123	939	412	499	437	382	458
Table, kitchen, and other ware, glazed ..... 1,000 lbs		[1] 993	1,344	898	767	1,058	766	300	306	223	197	241
Tools								[1] 531	614	731	950	1,220
Needles, hand, sewing, and darning [34] ..... millions		996	918	635	728	782	479	1,099	1,051	799	855	815
Other needles								330	266	260	202	266
Hoop or band iron or steel for baling ..... 1,000 lbs					70,009	44,888					1,343	863
All other iron and steel manufactures, n. s. p. f.							5,215	4,296	3,321	3,751	3,826	3,915
E. Ferro-alloys							3,057	13,299	20,783	16,440	13,886	23,537
Manganese ore—												
Product of—												
Cuba {Gross weight ..... tons of 2,240 lbs		11,495	14,112	8,976	3,180	2,667		106	225	142	60	33
Cuba {Manganese content ..... do				4,211	1,556	1,959						
Other manganese ore (manganese content) ..... tons of 2,240 lbs	264,022	295,757	347,378	304,419	206,252	321,456	1,675	4,821	10,847	8,345	5,336	8,418
Ferromanganese and other alloys (manganese content) [33] ..... tons of 2,240 lbs	[11] 1,112	61,510	43,932	34,018	47,550	62,785	[11] 543	5,244	4,138	3,405	4,806	6,817
Chrome ore or chromite ..... do	25,080	118,752	215,404	222,360	216,502	317,630	521	965	1,705	1,749	1,705	2,606
Ferrochromium, chromium metal, and chromium vanadium ..... 1,000 lbs		[1] 1,994	1,178	1,052	1,605	1,495		[1] 185	124	59	196	213
Ferrosilicon (silicon content) ..... do	[36]	22,683	29,398	17,367	9,983	21,110	[36]	819	1,386	1,020	636	1,402
Tungsten and alloys (tungsten content) ..... do		[1] 1,252	3,442	1,614	2,730	6,810	[7] 232	349	871	308	573	2,510
Vanadium ore ..... tons of 2,240 lbs			7,471	6,199	493	8,714	287	541	914	561	50	795
Other ores of ferro-alloying metals ..... 1,000 lbs				20	864	2,704				20	10	55
Other ferro-alloying metals								281	573	825	515	628
F. Nonferrous metals, except precious							111,908	178,054	272,214	247,412	240,142	307,629
Aluminum							2,434	9,673	18,690	17,892	10,113	11,680
Bauxite, crude ..... tons of 2,240 lbs	21,467	146,743	281,644	356,580	350,111	380,812	179	690	1,187	1,572	1,534	1,754
Metal, crude, scrap, and alloy ..... 1,000 lbs	[7] 19,242	37,280	74,879	72,189	37,896	48,416	[7] 2,951	7,811	17,108	15,316	7,736	8,973
Manufactures—												
Plates, sheets, bars, etc ..... do			127	400	26	22			37	79	11	9
Hollow ware ..... do			215	142	123	123	[7] 807	1,172	99	66	70	71
Other manufactures									259	859	761	873
Copper [37] ..... 1,000 lbs	368,963	597,949	779,441	718,323	787,074	974,311	47,845	77,811	99,742	84,963	93,187	153,708
Copper ores, concentrates and regulus ..... do	92,898	133,996	153,595	168,915	148,305	180,452	10,743	16,800	19,064	18,995	16,735	23,567
Ores (copper content) ..... do	69,469	86,168	106,715	99,328	106,192	124,619	7,705	10,905	13,452	10,757	11,589	15,358
Concentrates (copper content) ..... do		41,863	44,750	68,493	39,473	53,729		5,140	5,352	8,107	4,861	7,907
Regulus, coarse, metal, and cement copper (copper content) ..... 1,000 lbs	23,429	5,965	2,129	1,393	2,640	2,104	3,038	755	261	131	285	202

[1] Average for years 1923–1925.
[7] Average for years 1912–1914.
[11] Average for years 1911–1914.
[20] Average for years 1910 and 1912–1914.
[32] Average for years 1921 and 1925.
[33] "Wire rope, insulated wire, etc." prior to 1926.
[34] "Nails and screws" prior to 1926.
[34] "Hand-sewing, darning, and shoe machine" prior to 1922.
[35] Gross weight prior to Sept. 22, 1922.
[36] Included with "Pig iron" in 1910–1914.
[37] Not including pounds of "Copper manufactures, n. e. s."

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued												
F. Nonferrous metals, except precious—Continued.												
Copper—Continued.												
Unrefined, black, blister, and converter copper, in pigs, bars, etc.—1,000 lbs.	276,065	343,988	443,798	438,594	543,190	646,167	37,016	44,650	56,101	51,954	67,595	104,306
Refined copper—do.		104,309	170,566	103,279	84,731	134,015		14,918	23,336	13,105	12,634	23,757
Old and clippings for remanufacture—do.		9,334	11,002	7,478	10,633	13,598		953	1,114	698	698	1,823
Composition metal, copper chief value—do.		1,322	481	58	216	80		176	64	15	32	12
Copper manufactures, n. e. s.							86	113	62	195	222	253
Brass, and bronze, and manufactures							1,448	4,880	2,310	2,978	4,371	4,926
Old, brass, etc., for remanufacture—1,000 lbs.	6,159	49,147	8,622	7,985	12,151	14,062	684	3,764	632	556	1,015	1,372
Brass manufactures								528	768	1,219	1,941	2,027
Bronze manufactures							764	507	911	1,203	1,414	1,527
Lead (lead content)[38]—1,000 lbs.	162,834	222,701	310,722	324,648	314,025	238,294	3,509	11,411	19,994	17,886	15,506	13,468
Ore, matte, and bullion—												
Ore and matte (lead content)—do.	44,186	57,975	116,233	81,276	51,830	62,661	871	2,825	6,801	4,643	2,885	3,479
Bullion or base bullion (lead content)—1,000 lbs.	115,198	130,812	156,571	236,567	256,935	166,142	2,509	6,796	10,096	11,737	11,563	8,677
Pigs, bars, old and scrap[39]—do.			20,034	4,935	1,323	3,315			1,488	348	96	145
Babbitt metal, solder, etc. (lead content)[40]—1,000 lbs.	3,450	30,088	2,271	1,216	850	1,326	111	1,506	548	932	570	777
Manufactures of lead, n. e. s. (except type metal)							18	84	164	160	198	209
Type metal and antimonial lead—gross weight—1,000 lbs.		[10] 6,009	8,620	893	3,991	5,441		[1] 332	896	65	193	181
Type metal and antimonial lead—lead content—do.		[1] 4,317	6,993	652	3,087	4,850						
Nickel							4,928	5,232	9,462	8,903	14,363	19,419
Ore and matte—1,000 lbs.	36,602	8,195	14,636	10,744	18,589	28,981	4,928	820	1,303	902	1,470	2,122
Nickel and alloys in pigs, etc.—do.			29,379	29,220	48,996	64,421			7,857	7,721	12,346	16,448
Nickel oxide—do.			1,485	1,013	1,743	3,265		4,411	241	179	253	495
Nickel in bars, plates, sheets, etc., and manufactures									62	101	294	354
Tin—												
Ore (tin content)—tons of 2,240 lbs.		5,812	303	122	130	128		2,703	187	79	69	67
Bars, blocks, pigs, etc.—1,000 lbs.	106,134	132,173	172,536	159,357	174,654	195,165	41,511	56,522	104,793	100,865	86,983	91,839
Zinc—												
Ore (zinc content)—do.	40,151	10,537	29,252	19,025	3,409	28,823	777	462	1,520	736	169	1,127
Blocks, pigs, etc., and old—do.	12,350	2,745	43	115	6	451	625	117	2	7	[12]	22

Zinc dust and other manufactures							205	144	44	97	141	153
Antimony—												
Ore—gross weight, 1,000 lbs.			5,103	7,023	7,824	6,323						
Ore—antimony content, do.	13,188	1,127	3,180	3,965	4,369	3,729	723	33	291	278	313	231
Needle, liquidated, regulus, or metal, do.		18,079	29,422	24,740	22,698	26,860		1,086	3,795	2,516	1,8208	1,831
Cobalt ore and metal, do.	[11] 349	176	542	468	643	1,241	[11] 55	352	877	844	1,173	1,795
Gold and silver sweepings							125	429	216	196	333	289
Quicksilver or mercury, 1,000 lbs.		[1] 1,395	2,146	1,849	1,169	1,086		[1] 915	1,971	2,189	1,572	1,447
Other ores, metals, and alloys, n. e. s.							7,734	566	656	710	934	1,152
Manufactures of metals, n. e. s.								6,075	7,664	6,221	4,093	4,475
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin							7,644	17,188	24,072	22,478	19,190	18,461
Platinum, oz. troy		[1] 96,244	114,968	128,544	108,447		4,306	8,400	11,804	11,188	7,693	7,149
Ores of platinum metal (platinum content), oz. troy			1,221		686	564			125		49	43
Grains, nuggets, sponge or scrap, do.			87,162	90,491	78,399	74,063			8,683	7,481	5,295	4,466
Ingots, bars, sheets or plates, etc., do.			26,585	38,053	29,362	40,594			2,996	3,707	2,349	2,640
Platinum metals and native combinations—												
Iridium, oz. troy			3,305	4,633	4,212	4,470			412	520	672	888
Osmium and osmiridium, do.	7,501	17,255	6,141	7,512	6,095	7,977	439	1,424	659	398	439	402
Palladium, do.			8,258	6,251	13,463	24,364			460	223	408	532
Rhodium and rutbenium, do.			2,120	1,792	2,977	3,031			117	79	139	88
Jewelry							1,333	1,631	1,540	2,087	3,921	4,857
Metal articles for personal use and adornment								[1] 769	1,596	2,389	1,569	737
Manufactures of gold and silver, n. e. s.—												
Lahn, tinsel threads, bullion, etc., 1,000 lbs.			2,261	1,675	1,169	859						
Braids, fabrics, laces, etc.							1,566	4,338	2,887	1,614	1,092	793
All other, including plated articles								934	2,993	2,604	1,628	1,184
									1,605	1,376	1,630	1,771
GROUP 7.—MACHINERY AND VEHICLES												
Total							12,480	17,768	26,212	27,517	29,750	42,202
A. Electrical machinery and apparatus								1,755	2,520	3,033	2,770	2,664
Electric lamps—Incandescent—												
Carbon filament, thousands	[3] 1,270	16,234	28,201	23,298	33,236	39,777	[3] 79	565	1,259	1,053	1,077	1,237
Other, do.			6,131	4,134	3,422	4,491	[3] 514	637	416	208	155	140
Other electrical machinery and apparatus								[1] 895	845	1,772	1,538	1,287
B, C, D. Industrial, office, and printing machinery								11,398	16,450	16,453	18,713	24,836
Steam and internal-combustion engines and repairs								[1] 641	76	279	903	1,113
Metal-working machine tools and parts, 1,000 lbs.		[2] 1,852	2,679	1,802	2,547	4,787		320	522	414	569	1,458

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1913–14.
[10] 1925 only.
[11] Average for years 1911–1914.
[12] Less than 500.
[38] Not including pounds of "lead manufactures, n. e. s."
[39] "Pigs and bars" prior to Jan. 1, 1927.
[40] "Scrap lead, Babbitt metal, solder, etc.," prior to Jan. 1, 1927.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B, C, D. Industrial, office, etc., machinery—Contd.												
Textile machinery												
Embroidery, lace, and lace-curtain machines and parts								5,489	5,615	6,201	5,090	8,452
Hosiery-knitting machines, number								[1] 75	8	169	186	152
Other knitting, braiding, and insulating machines and parts, 1,000 lbs.				805	591	1,014		[1] 1,520	3,420	3,163	2,163	4,705
Cotton-manufacturing machinery and parts, 1,000 lbs.				816	393	714				347	262	490
Wool-manufacturing machinery and parts, 1,000 lbs.		[2] 1,290	1,386	2,179	2,552	2,708		[2] 262	305	403	511	528
Other textile machinery and parts, do.		[1] 16,729	1,059 7,011	1,899 6,473	2,353 4,340	1,711 9,142		[3] 4,213	202 1,630	457 1,662	449 1,169	404 2,173
Sewing machines and parts								495	377	539	505	475
Antifriction balls, rollers, and bearings, 1,000 lbs.		[1] 895	1,255	1,058	1,245	1,657						
Other industrial, office, and printing machinery							[11] 1,797 8,167	708 4,002	1,050 8,810	913 8,106	997 10,648	1,416 11,922
E. Agricultural machinery and implements												
Cream separators, not over $50 each, number		[1] 20,156	28,398	25,196	27,159	41,835		2,592	5,012	5,407	4,839	9,544
Plows and cultivators, do.		[1] 3,419	5,486	10,076	9,728	3,455		517	703	610	531	849
Headers, harvesters, and reapers, do.						1,153		[1] 212	437	743	819	364
All other, including agricultural vehicles												877
F. Automobiles and other vehicles, except agricultural							87	1,947	3,872	4,053	3,489	7,464
Automobiles and chassis, number	874	628	813	635	566	750	2,551	2,023	2,230	2,625	3,428	5,152
Bodies and parts of automobiles, except tires							1,353	897	1,353	1,219	1,201	1,190
Other vehicles and parts							544		725	1,146	1,598	2,252
							[7] 258	1,126	152	259	629	1,710
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							87,657	112,100	134,833	129,857	143,234	144,062
A. Coal-tar chemicals							14,275	16,068	19,806	24,042	23,907	22,823
Coal-tar products, crude—												
Dead or creosote oil, 1,000 gals.	53,316	62,713	87,519	95,915	88,385	79,301	2,898	8,701	11,720	15,437	13,928	10,119
Pyridine, 1,000 lbs.		[2] 699	743	136	55	40		[2] 332	366	42	9	6
Other crude coal-tar products							392	756	985	872	1,314	2,045
Intermediates—												
Acids, 1,000 lbs.		297	511	819	2,946	1,973		77	133	120	328	160
All other intermediates, do.	4,770	2,257	998	1,768	1,445	1,989	388	581	642	1,027	999	1,430

Finished products—												
Alizarin and derivatives ... do	4,461	269	21	4	3	18	1,080	381	38	3	4	22
Colors, dyes, stains, color acids, and color bases, n. e. s. ... 1,000 lbs		3,895	4,973	5,497	6,252	7,593	7,809	5,147	5,601	6,182	6,877	8,448
Coal-tar medicinals ... do		[2] 100	70	130	113	153		242	257	277	209	332
Other finished coal-tar products ... do			23	42	104	108	1,709	40	63	83	241	205
B. Medicinal and pharmaceutical preparations							1,788	4,917	5,891	5,423	5,179	6,421
Quinine sulphate ... 1,000 oz	3,072	3,453	1,584	1,916	1,802	2,472	500	1,436	655	735	644	855
All other quinine and other alkaloids and salts from cinchona bark ... 1,000 oz			1,345	1,232	844	1,325			426	473	341	442
Other alkaloids and salts of ...								546	94	118	263	449
Menthol ... pounds		[2] 244	459	369	254	296		[2] 2,172	2,842	1,382	924	1,232
Antitoxins, serums, vaccines, etc., and blistering insects ...								[1] 15	3	17	3	2
Other medicinals ...							[11] 1,610	825	280	597	615	655
All other preparations, n. e. s. ...								1,232	1,589	2,152	2,389	2,786
C. Industrial chemicals ...							25,523	23,186	28,310	28,504	24,165	30,698
Acids and anhydrides—												
Arsenious acid or white arsenic ... 1,000 lbs		[1] 18,880	15,407	25,034	22,306	26,314		[1] 1,651	510	922	775	956
Formic ... do		[1] 1,436	2,315	3,220	2,254	1,387		[1] 107	164	231	176	109
Oxalic ... do	[7] 7,805	2,185	1,567	1,844	890	1,346	[7] 390	159	71	99	46	71
Sulphuric (oil of vitriol) ... do		[1] 25,047	55,937	34,869	26,328	16,208		[1] 190	338	198	161	97
Tartaric ... do		[1] 3,074	1,565	2,864	1,913	2,220		[1] 654	330	644	612	689
Acetic or pyroligneous ... do						29,235						2,117
All other ... do			13,911	13,081	21,928	1,800	877	1,048	1,036	1,240	1,783	380
Alcohols, including fusel oil ...							1,000	541	440	947	202	276
Ammonium compounds—												
Chloride (muriate) ... 1,000 lbs	[7] 10,396	7,955	15,812	14,279	11,024	9,561	[7] 506	393	617	509	339	298
Nitrate ... do		[1] 11,512	8,344	11,218	13,172	9,496		[1] 683	383	451	526	349
All other ... do		[1] 2,319	1,161	1,769	1,439	974		[1] 104	65	72	74	50
Barium compounds ... do		[1] 14,039	24,477	14,649	14,877	8,151		[1] 317	314	239	226	138
Calcium carbide [41] ... do		35,120	21,849	4,451	2,527	3,773		1,282	847	167	92	141
Cobalt oxide ... do		[1] 258	333	370	364	476		[1] 500	632	704	693	885
Copper sulphate (blue vitriol) ... do		[2] 2,836	2,559	1,979	3,612	5,389		[2] 128	117	89	172	273
Lime—												
Chlorinated, or bleaching powder ... do	77,908	5,147	3,767	2,712	3,167	2,791	634	107	85	76	80	77
Citrate of ... do	4,654	4,916	3,371	166			647	635	339	17		
Glycerin ... do	36,409	11,765	38,539	23,239	9,126	20,345	4,089	1,306	6,339	3,910	805	1,365
Crude ... do			27,659	14,971	4,916	14,852			3,996	2,218	356	864
Refined ... do			10,880	8,268	4,210	5,493			2,343	1,692	449	501
Iodine, crude ... do	405	304	711	926	721	627	811	847	2,272	2,901	2,429	2,249
Magnesium compounds ... do		[2] 24,425	29,997	21,054	17,311	17,928		[2] 205	293	212	200	231
Potassium compounds—												
Cyanide ... do	[7] 1,525	2,908	104	340	116	137	[7] 224	248	36	70	44	54
Carbonate ... do	20,191	8,530	11,523	13,192	16,912	22,644	634	368	534	619	769	1,024

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[41] "Acetate, carbide, chloride crude, and nitrate" for 1921 and 1922 and "Acetate, crude, and chloride" for 1923.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued.

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 8.—CHEMICALS AND RELATED PRODUCTS—Con.												
C. Industrial chemicals—Continued.												
Potassium compounds—Continued.												
Hydroxide (caustic potash)[42] ..... 1,000 lbs.	8,397	12,065	12,969	14,762	11,648	15,648	334	675	771	916	686	1,001
Nitrate, crude, or saltpeter ..... tons of 2,240 lbs.	3,820	4,336	9,416	4,309	9,674	12,800	253	274	527	228	376	546
Bitartrate, crude, argols, or wine lees ..... 1,000 lbs.	23,058	20,054	25,570	24,906	12,890	18,001	2,647	1,436	1,791	2,289	1,331	2,113
Cream of tartar ..... do		[2] 932	259	201	159	181		[2] 108	37	57	32	29
Chlorate and perchlorate ..... do		[2] 9,660	12,537	13,392	13,130	13,956		[2] 395	460	496	481	408
Other potassium compounds, n. e. s. ..... do	[11] 5,029	12,152	11,409	9,817	12,040	19,393	[11] 471	830	609	500	581	825
Sodium compounds—												
Cyanide ..... do		22,802	31,804	32,599	37,577	40,047		1,982	2,558	2,608	2,930	3,199
Ferrocyanide (yellow prussiate) ..... do		[1] 1,979	815	1,787	1,625	1,940		[1] 190	55	143	136	168
Nitrite ..... do		[1] 3,745	1,927	292	108	312		[1] 156	70	11	4	12
All other, n. e. s.							394	1,231	1,313	1,602	1,725	2,987
Radium salts ..... grains									549	394	566	579
All other industrial chemicals					169	165						
							12,152	6,822	3,809	4,944	5,116	6,912
D. Pigments, paints, and varnishes							2,095	3,080	3,821	3,755	3,766	3,823
Mineral earth pigments—												
Iron oxide and iron hydroxide pigments ..... 1,000 lbs.			27,987	24,050	25,491	24,441			667	588	607	599
Ochers and siennas ..... do		[1] 20,273	20,846	20,872	21,499	22,034		[1] 290	390	448	433	416
Other [43]								1,323	481	594	508	601
Chemical pigments—												
Lithopone and other zinc pigments ..... 1,000 lbs.		19,319	19,796	18,787	22,681	19,578		871	878	886	1,041	957
All other								[1] 693	586	514	561	538
Paints, stains, and enamels ..... 1,000 lbs.		[1] 1,220	2,227	2,194	1,701	1,992		[1] 428	742	680	565	650
Varnishes ..... 1,000 gals.		[1] 24	38	26	29	35		[1] 68	78	44	50	61
E. Fertilizers and materials ..... 1,000 tons of 2,240 lbs.		1,609	2,083	1,819	2,535	2,310	40,727	56,865	69,239	58,842	78,118	72,340
Nitrogenous—												
Calcium cyanamide or lime nitrogen ..... tons of 2,240 lbs.		59,990	88,373	109,330	135,727	184,260		3,049	4,193	4,337	4,685	6,221
Calcium nitrate ..... do		[1] 8,223	13,457	18,390	23,315	31,684		[1] 347	586	845	1,012	1,257
Sodium nitrate ..... do	549,389	780,430	914,295	748,782	1,032,911	930,458	17,615	37,158	42,781	30,132	36,991	34,913
Ammonium-sulphate nitrate ..... do				44,659	83,913	16,284				2,631	4,793	884
Guano ..... do	31,503	[3] 14,801	11,673	23,321	22,584	45,905	644	[3] 525	430	898	1,047	2,203
Dried blood ..... do		[3] 7,279	11,412	11,993	9,511	9,773	271	[3] 415	707	696	667	696
Tankage ..... do		[2] 25,888	24,568	23,672	43,461	20,779		[2] 847	1,009	900	1,286	814
Sulphate of ammonia ..... do	68,506	8,574	8,386	17,153	42,096	18,812	4,208	479	468	780	1,845	763
All other ..... do		[3] 70,920	71,732	53,627	82,270	69,039		[3] 2,181	2,524	1,195	2,476	2,655

Phosphates—												
Bone ash, dust, and meal and other animal carbon for fertilizers ... tons of 2,240 lbs	[7] 36,217	31,470	46,716	54,586	82,459	55,877	[7] 889	965	1,380	1,541	2,567	1,624
Other phosphate materials ... do		[1] 15,061	21,994	47,329	50,388	48,937		[1] 199	282	561	501	525
Potash fertilizers—												
Chloride, crude (muriate of potash) ... do	204,461	131,597	199,191	163,817	233,611	230,966	6,805	4,722	6,196	5,739	8,182	8,225
Sulphate, crude ... do	43,656	55,406	69,873	68,904	86,458	79,510	1,769	2,257	2,823	2,948	3,908	3,648
Kainite ... do	[11]715,012	144,175	181,877	102,937	107,051	75,930	[11] 4,353	1,104	1,215	815	887	644
Manure salts ... do		222,685	316,440	277,998	404,680	390,328		2,315	3,391	3,677	5,251	5,113
Other potash-bearing substances ... do		[1] 34,295	48,333	9,403	10,756	675		[1] 404	498	245	330	9
Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash ... tons of 2,240 lbs				4,122	5,066						249	381
All other fertilizers ... do		59,441	54,299	42,987	79,787	94,992	5,400	1,598	755	901	1,441	1,765
F. Explosives							740	918	1,165	1,093	979	960
Azides, fulminates, dynamite, etc., and powder from countries imposing duty								[1] 133	208	163	119	133
Firecrackers ... 1,000 lbs					4,184	4,023		[1] 746	795	835	780	748
Fireworks and ammunition								[1] 101	163	95	80	79
G. Soap and toilet preparations							2,509	7,076	6,602	8,197	7,121	6,988
Soap—												
Castile ... 1,000 lbs		1,938	2,021	2,396	3,403	3,606		234	246	367	427	419
Toilet ... do		2,793	1,219	1,653	2,012	2,039	793		409	570	575	651
All other ... do			3,094	1,976	1,705	1,385		538	319	198	183	193
Perfumery, bay rum, and toilet water									2,188	2,002	1,615	1,503
Perfume materials							1,716	6,304	2,799	4,329	3,576	3,296
Cosmetics, powders, creams, etc									641	731	756	925
GROUP 9.—MISCELLANEOUS												
Total							95,420	153,145	171,331	178,378	187,218	220,485
A. Photographic goods							2,728	6,442	5,683	5,827	6,016	7,159
Cameras and parts							[44] 247	387	325	370	354	645
Sensitized films, not exposed ... 1,000 lin. ft		230,069	291,683	278,013	261,755	358,911		4,356	3,800	3,709	3,638	4,395
Motion-picture films—												
Negatives ... do		2,391	1,740	2,283	2,576	2,943	1,231	766	306	315	309	378
Positives ... do		5,997	3,821	3,834	5,243	4,918		289	188	167	214	180
Other films and dry plates							378	88	166	226	230	261
Photographic paper ... 1,000 lbs		2,689	3,438	3,771	4,358	4,596	1,070	556	898	1,039	1,272	1,300
B. Scientific and professional instruments, apparatus, and supplies, n. e. s							1,002	2,135	2,877	3,179	3,380	4,074
Optical goods—												
Opera and field glasses ... thousands			295	400	301	212			426	469	527	700
Other optical instruments and parts							[7] 665	1,377	1,113	1,229	1,133	1,294
Spectacles, eyeglasses, and parts									168	139	193	212

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[7] Average for years 1912–1914.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[42] "Hydrate" prior to Sept. 22, 1922.
[43] All paints, colors, and varnishes, except zinc pigments prior to Sept. 22, 1922.
[44] Oct. 4, 1913, to June 30, 1914.

No. 548.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910–1914	1921–1925	1926	1927	1928	1929	1910–1914	1921–1925	1926	1927	1928	1929
GROUP 9. MISCELLANEOUS—Continued												
B. Scientific and professional instruments, etc.—Continued.												
Optical goods—Continued												
Dental and surgical instruments								[1] 480	464	564	639	854
Philosophical and scientific, etc., instruments and apparatus							603	469	705	778	889	1,014
C. Musical instruments							1,748	3,788	5,197	4,797	4,318	4,502
Pianos and organs								[1] 205	305	271	227	363
Phonograph and similar articles and parts							58	533	641	650	499	418
Band instruments and violins								[1] 657	573	603	709	760
Other instruments, parts, and accessories							1,690	2,739	3,679	3,273	2,823	2,961
E. Toys, athletic, and sporting goods							8,074	8,081	6,795	8,883	6,449	7,350
Toys—												
Dolls and parts								1,323	786	999	970	1,358
Other toys							7,893	5,143	3,611	3,598	3,288	2,771
Dice, dominoes, chips, etc.							56	[1] 124	85	101	114	126
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, etc.							[11] 156	456	356	388	407	601
Golf balls	thousands	[1] 3,733	3,362	3,060	2,643	2,550		[1] 1,316	1,377	1,234	1,043	807
Other balls for games	do		905	768	962	876			109	100	111	124
Other athletic sporting goods								[3] 369	471	462	516	563
F. Firearms								[2] 646	540	459	550	795
G. Books and other printed matter							9,247	9,408	14,422	13,181	14,422	15,697
Books and pamphlets in foreign languages									2,138	1,648	1,665	1,967
Books, maps, music, etc., 20 years old									2,769	2,453	3,576	4,196
Other books, etc. (free)							6,398	8,019	3,152	2,208	2,163	2,578
Books, pamphlets, and music, n. e. s.									3,764	4,058	3,859	4,191
Maps, charts, and other printed matter, n. e. s.									571	782	787	763
Lithographic prints—												
Cigar bands, labels, and flaps	1,000 lbs.	828	168	239	206	145	2,209	612	190	273	254	179
Decalcomanias	do		428	369	464	426			607	513	612	579
All other							640	776	1,231	1,226	1,207	1,244
H. Clocks, watches, etc.							3,317	11,807	14,985	15,625	13,245	16,922
Chronometers, clocks, and parts							794	833	1,044	1,163	1,266	1,317
Chronometers and clocks	number					231,939						808
Clock cases, parts, and materials												509
Watches and watch movements	thousands	2,063	3,958	4,581	3,682	5,146	2,496	6,444	10,417	11,330	9,266	11,717
Cases, dials, and parts of watches, n. e. s.							27	3,480	1,415	1,589	1,592	2,263
Jewels for watches, clocks, meters, etc.								[1] 1,452	1,783	1,244	618	973
Recorders, meters, regulaters, and similar instruments, and parts, n. s. p. f.								[1] 189	327	300	502	652

I. Art works							35,045	31,222	53,464	60,421	65,753	82,106
The production of American artists							719	218	195	371	163	324
Original paintings, statuary, etc								6,787	8,225	11,827	15,345	19,198
Statuary, regalia, etc., for religious or educational purposes							348	838	1,563	1,669	1,514	1,472
Works of art 100 years old							[45] 31,456	22,324	41,494	44,799	46,914	58,839
Works of art for exhibition, presentation to public institutions, etc							1,400	709	1,441	1,061	1,136	1,519
All other art works							1,338	347	544	694	682	754
J. Miscellaneous articles, n. e. s							34,259	80,004	87,367	68,026	71,983	81,883
Buttons—												
Pearl or shell—1,000 gross			1,111	805	1,049	830	1,400	1,411	511	375	489	436
Agate, horn, and glass—do			3,715	3,950	4,026	6,986			660	759	692	1,012
All other									461	280	193	196
Matches—												
In boxes containing not more than 100 matches—1,000 gross			5,852	6,102	5,564	10,577	617	1,963	2,123	2,167	2,090	3,405
All other									39	50	25	30
Beads and bead ornaments—												
Imitation pearl beads							1,673	9,459	1,086	2,087	1,449	1,604
Other beads									1,183	1,278	3,292	4,388
Fabrics and articles, chief value beads									2,025	862	493	404
Pipes and smokers' articles							[46] 1,051	1,367	2,136	2,213	1,366	1,327
Brushes—												
Tooth—1,000 doz		4,190	1,031	651	986	3,929	2,062	2,188	494	325	522	1,763
Other toilet—do			553	438	467	308			601	487	529	488
Other brushes—do			2,770	3,651	4,325	4,846			985	689	572	555
Pyroxylin products, celluloid, pyralin, etc.—												
In blocks, sheets, rods, etc—1,000 lbs						1,118	304	1,217	2,864	2,715	2,765	922
Finished or partly finished articles												1,791
Pencils, crayons, leads, etc							557	529	684	707	857	1,316
Pens and penholders							73	381	441	321	342	447
All other dutiable articles							1,740	4,930	5,762	6,896	7,747	8,400
Household and personal effects, etc., of persons arriving in the United States							5,019	9,173	8,244	7,988	7,025	7,399
Articles, imported under bond, for export within 6 months								3,837	5,203	5,192	5,349	6,373
Articles the growth, produce, or manufacture of the United States, returned—												
Automobiles—number	[11] 543	[3] 1,409	188	181	263	465	[11] 1,459	2,524	276	286	286	618
Containers—thousands			3,879	3,276			17,338	37,746	4,995	5,087	4,833	5,409
All other									24,443	23,438	20,048	29,272
Articles imported under special provisions, n. e. s							373	979	539	1,034	1,074	
Product of the Philippine Islands, n. e. s							12	15	19	30	20	760
Product of the Virgin Islands, n. e. s								5	1	15	6	
Product of Cuba, n. e. s								2	3	[12]	1	
All other free articles							878	2,277	1,589	2,744	2,032	3,567

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[8] Average for years 1922–1925.
[11] Average for years 1911–1914.
[12] Less than 500.
[45] Prior to Oct. 4, 1913, limited to those at least 20 years old.
[46] Includes "cigarette books, covers, and paper" for years 1910–1912.

No. 549.—REEXPORTS OF FOREIGN MERCHANDISE

NOTE.—Values expressed in thousands of dollars. Group totals are for all items in the group, only the most important of which are listed. For weights of the bushel and barrel see appendix, p. 857. Tons are of 2,240 pounds

Group	1924	1925	1926	1927	1928	1929
Total value	93,335	91,125	96,939	106,512	98,258	83,912
Group 00.—Animals and animal products, edible	2,203	2,865	2,284	1,890	2,150	1,730
Group 0.—Animals and animal products, inedible	12,343	10,901	10,765	14,562	17,129	11,394
Group 1.—Vegetable food products and beverages	21,963	20,693	20,693	19,817	20,184	18,058
Group 2.—Other vegetable products, except fibers and wood	14,213	25,986	27,820	30,571	25,249	26,387
Group 3.—Textiles	32,842	21,978	24,202	25,656	10,780	19,436
Group 4.—Wood and paper	751	594	623	729	896	863
Group 5.—Nonmetallic minerals	622	488	1,691	728	712	1,029
Group 6.—Metals, and manufactures of, except machinery and vehicles	1,967	1,810	2,934	3,161	2,933	2,291
Group 7.—Machinery and vehicles	487	505	422	528	598	603
Group 8.—Chemicals and related products	1,737	1,335	1,381	1,763	1,976	1,159
Group 9.—Miscellaneous	4,200	4,570	5,551	7,108	6,651	5,963

Article	1929 Quantity	1929 Value
GROUP 00		
Butter—M pounds	188	72
Cheese—do	374	97
Fish (total)—do	10,006	999
Herring—do	2,336	128
Cod, haddock, hake, and pollock—M pounds	5,532	481
Eggs, frozen, dried, etc—do	638	186
Sausage casings—do	100	52
GROUP 0		
Hides and skins, except fur skins (total)—M pounds	20,589	5,083
Cattle hides—do	15,990	3,287
Calfskins—do	2,354	843
Goatskins—do	519	251
Sheepskins—do	988	362
Leather		755
Furs:		
Undressed—thousands	2,569	3,906
Dressed—do	187	382
Horses—number	180	115
Bristles—M pounds	296	479
Shells, unmanufactured—do	574	108
Sponges—do	113	103
GROUP 1		
Grains and preparations (total)		412
Corn—M bushels	5	6
Rice, cleaned—M pounds	6,730	245
Wheat—M bushels	79	115
Wheat flour—M barrels	1	6
Vegetables (total)		3,624
Beans—M bushels	402	1,330
Peas—do	476	1,973
Fruits (total)		3,775
Bananas—M bunches	1,418	2,612
Pineapples—M boxes	91	270
Dates—M pounds	2,766	242
Nuts (total)		418
Cream and Brazil—M pounds	764	54
Walnuts—do	803	104
Peanuts—do	2,854	144
Cacao beans—do	13,622	1,570
Coffee—do	7,043	1,458
Tea—do	538	222
Spices (total)—do		997
Nutmegs—M pounds	238	57
Pepper—do	1,396	418
Vanilla beans—do	54	99
Sugar—do	7,043	386

Article	1929 Quantity	1929 Value
GROUP 2		
Rubber, crude—M pounds	81,726	16,869
Balata—do	255	112
Gums (total)—do	3,883	570
Shellac—do	654	295
Other varnish gums, resins—do	1,278	182
Vegetable drugs—do	1,097	418
Copra—do	4,692	220
Oils expressed (total)—do	11,612	1,355
Tung oil—do	6,191	826
Coconut oil—do	1,339	101
Palm and palm-kernel oil—do	2,651	224
Vegetable wax—do	889	149
Essential oils—do	128	205
Dyeing and tanning materials of vegetable origin—M pounds	4,714	124
Seeds except oil seeds—do	1,119	120
Tobacco (total)—do	5,251	5,261
Cigar wrapper leaf—do	269	303
Other leaf—do	4,935	4,858
Vegetable ivory (tagua nuts)—do	3,570	117
GROUP 3		
Cotton (total)		2,585
Unmanufactured—M pounds	7,167	1,757
Cloth—M sq. yds	535	147
Wearing apparel		199
Burlaps—M pounds	785	103
Jute bags—do	2,255	103
Hemp—tons	3,050	591
Manufactures of flax, hemp, or ramie		257
Manila, or abaca—tons	3,190	628
Sisal and henequen—do	20,393	5,354
Kapok—do	267	115
Hat braid of straw or fiber—M yds	72,613	178
Hats of straw, palm leaf, or other fiber—thousands	457	225
Wool (total)—M pounds	2,402	1,097
Carpet wool—do	524	142
Clothing wool—do	198	86
Combing wool—do	1,657	835
Mohair, alpaca, etc—do	22	35
Wool manufactures (total)		640
Wool rags, noils, waste—M pounds	214	53
Wool cloths and dress goods—M pounds	147	191
Wool carpets and rugs—M sq. yds	47	240

No. 549.—Reexports of Foreign Merchandise—Continued

[Values expressed in thousands of dollars]

Article	1929		Article	1929	
	Quantity	Value		Quantity	Value
Group 3—Continued			Group 6—Continued		
Hair and manufactures..M pounds	345	88	Tin in bars, blocks, or pigs ..M pounds	2,554	1,168
Silk (total)		6,273			
Silk, raw..M pounds	1,117	5,667	Group 7		
Spun silk..do	11	42			
Silk fabrics (broad silk)..do	22	122	Electrical machinery and apparatus		116
Silk wearing apparel..do	23	267	Textile machinery and parts		57
Artificial silk and manufactures		531	Other machinery, except agricultural		300
Group 4			Automobiles and chassis..number	30	68
Wood (total)		547	Group 8		
Cabinet wood logs..M feet	776	86	Chemicals (total)		542
Paper		141	Coal-tar colors or dyes ..M pounds	120	121
Group 5			Medicinal and pharmaceutical preparations		85
Petroleum and products ..M barrels	10	65	Nitrate of soda..M tons	9	450
Mineral wax..M pounds	1,398	79	Group 9		
Asbestos, unmanufactured..ton	1,080	151			
Mica and manufactures of ..M pounds	61	9	Photographic goods..M lin. feet	1,082	51
Clay and clay products		55	Art works, paintings, and statuary		4,368
Group 6					
Iron and steel		459			
Copper ingots, bars, etc..M pounds	644	99			
Lead pigs, bars, and old..do	1,979	106			

No. 550.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By Tariff Schedules

Note.—All figures except percentages in thousands of dollars. Figures cover fiscal years to and including 1918, calendar thereafter. Per cents represent the average ad valorem rate or ratio of duties to values of dutiable merchandise

Year	Schedule A.—Chemicals, oils, and paints			Schedule B.—Earths, earthenware, and glassware			Schedule C.—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1904	30,809	8,814	28.61	24,704	13,163	53.28	40,011	15,682	39.20
1905	31,011	8,845	28.52	23,126	12,194	52.73	36,327	14,449	39.77
1906	33,482	9,665	28.87	26,590	13,749	51.71	50,917	18,770	36.86
1907	40,246	11,124	27.64	31,306	15,350	49.03	67,149	21,882	32.59
1908	39,127	10,530	26.91	26,224	13,251	50.53	45,280	16,004	35.34
1909	42,937	11,218	26.13	21,148	10,642	50.32	41,103	15,656	38.09
1910	42,022	11,072	26.41	24,774	12,468	50.33	66,961	22,333	33.35
1911	48,869	12,564	25.71	24,495	12,669	51.72	58,757	18,869	32.11
1912	47,236	12,240	25.91	21,994	11,156	50.72	50,492	17,346	34.35
1913	49,387	13,017	26.36	23,002	11,385	49.50	64,300	20,514	31.90
1914	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
1916	52,806	9,309	17.63	13,024	4,677	35.91	33,245	6,309	18.98
1917	65,614	12,056	18.37	13,531	4,614	34.10	33,914	7,038	20.75
1918	65,762	10,507	15.98	13,444	4,707	35.01	33,227	6,813	20.51
1918 (6 months)	27,216	4,308	15.83	5,783	2,065	35.71	16,622	3,451	20.76
1919	108,151	13,922	12.87	14,933	5,009	33.55	43,186	8,672	20.08
1920	120,319	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921	64,753	14,144	21.84	26,591	9,864	34.50	62,793	13,672	21.77
1922	88,471	22,102	24.98	40,526	14,001	34.56	82,105	20,468	24.93
1923	90,123	26,989	29.95	60,182	23,526	39.09	103,307	35,013	33.89
1924	77,015	24,492	31.80	54,481	22,098	40.56	96,768	35,240	36.21
1925	93,746	27,465	29.30	56,391	24,529	43.50	113,684	38,961	34.27
1926	98,328	28,681	29.17	61,089	28,908	47.32	147,010	48,528	33.01
1927	98,312	27,997	28.48	58,260	28,217	48.43	135,403	47,179	34.84
1928	92,633	28,011	30.24	53,321	25,865	48.51	131,921	46,251	35.06
1929	110,452	33,910	30.70	55,304	27,014	48.85	154,022	54,654	35.48

No. 550.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars

Year	Schedule D.—Wood, and manufactures of			Schedule E.—Sugar, molasses, and manufactures of			Schedule F.—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1904	14,450	2,464	17.05	77,808	58,152	74.65	17,876	21,176	118.46
1905	16,708	2,750	16.46	91,577	51,442	56.17	20,725	22,690	109.48
1906	22,761	3,650	16.04	86,133	52,649	61.12	22,917	23,928	104.41
1907	24,472	3,701	15.12	92,784	60,339	65.03	29,959	26,125	87.20
1908	23,350	3,301	14.14	88,627	50,168	59.99	26,495	22,160	83.64
1909	23,285	3,141	13.49	93,479	56,414	60.35	27,332	23,269	85.14
1910	27,489	3,185	11.59	101,587	53,105	52.28	29,581	24,124	81.55
1911	24,710	2,960	11.98	97,877	52,809	53.95	29,788	26,160	87.82
1912	24,415	3,043	12.46	105,745	50,951	48.18	31,116	25,572	82.18
1913	27,851	3,408	12.24	91,448	53,482	58.48	32,438	26,748	82.46
1914	12,182	1,619	13.29	108,255	61,870	57.15	32,332	26,892	83.17
1915	4,457	709	15.90	157,571	49,608	31.48	29,499	24,875	84.33
1916	4,583	660	14.40	205,512	55,876	27.19	30,195	27,581	91.34
1917	5,207	756	14.52	243,354	55,471	22.79	37,300	29,837	79.99
1918	4,412	636	14.41	240,380	49,093	20.42	31,963	21,961	68.76
1918 (6 months)	1,675	218	12.99	87,180	18,280	20.03	20,309	12,270	60.42
1919	6,090	852	13.99	387,283	68,609	17.72	51,009	27,563	53.41
1920	13,367	1,979	14.81	926,407	79,536	8.58	63,816	33,695	52.80
1921	9,894	1,546	15.63	233,451	71,325	30.55	66,614	35,950	53.97
1922	13,174	2,373	18.02	232,941	147,969	63.52	62,415	31,789	50.93
1923	18,230	4,001	21.95	353,873	128,064	36.19	64,881	35,831	55.22
1924	18,115	4,161	22.97	337,862	135,906	40.23	67,530	33,941	50.26
1925	18,570	4,194	22.42	221,347	139,103	62.84	69,943	35,428	50.65
1926	18,004	4,307	23.92	205,059	146,591	71.28	70,789	38,076	53.79
1927	19,879	4,535	22.81	222,703	131,199	58.91	68,632	40,016	58.31
1928	16,917	4,191	24.77	174,760	118,572	67.85	62,319	39,315	63.09
1929	17,411	4,301	24.70	156,232	131,190	83.97	60,116	39,105	65.05

	Schedule G.—Agricultural products and provisions [1]			Schedule H.—Spirits, wines, and other beverages			Schedule I.—Cotton manufactures		
1904	49,014	16,891	34.46	17,120	12,106	70.71	23,442	11,035	47.07
1905	47,570	15,418	32.41	17,912	12,548	70.05	22,027	10,409	47.26
1906	53,860	18,127	33.65	19,669	14,010	71.22	26,656	12,293	46.12
1907	63,721	19,204	30.14	23,083	16,318	70.69	31,557	14,285	44.84
1908	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,878	43.95
1909	71,719	23,633	32.95	23,382	16,144	69.05	26,228	11,606	44.48
1910	84,873	25,161	29.64	25,316	18,114	71.55	28,311	13,619	48.11
1911	105,974	28,744	27.12	20,355	17,299	84.99	26,204	12,326	47.04
1912	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.51
1913	99,798	27,755	27.81	22,372	19,476	87.05	25,057	11,062	44.14
1914	122,305	24,817	20.29	21,764	19,675	90.40	32,529	9,260	28.47
1915	87,673	18,036	20.57	14,393	13,405	93.14	24,065	6,442	26.31
1916	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,969	24.62
1917	132,718	17,916	13.50	18,612	13,586	73.00	36,417	8,200	22.68
1918	125,360	14,595	11.64	10,563	7,038	66.63	30,947	6,872	22.21
1918 (6 months)	49,322	5,547	11.25	3,109	1,628	52.36	13,622	3,105	22.80
1919	161,168	15,803	9.80	2,338	1,194	51.08	33,220	7,716	23.23
1920	253,569	24,521	9.70	2,543	1,157	45.52	89,275	21,185	23.74
1921	156,497	26,206	16.75	3,197	1,515	47.37	58,414	15,242	26.09
1922	199,479	42,505	21.31	2,657	1,111	41.83	73,335	20,017	27.34
1923	236,976	61,578	25.98	1,371	613	44.67	68,207	21,946	32.18
1924	235,198	60,093	25.55	1,065	431	40.47	50,981	18,083	30.15
1925	259,917	60,568	23.30	1,161	492	42.38	49,999	15,347	30.69
1926	270,063	64,373	23.84	1,150	450	39.13	39,842	13,666	34.30
1927	284,253	64,072	22.54	1,350	465	34.44	40,461	14,561	35.99
1928	282,375	64,140	22.71	1,346	483	35.88	42,456	15,681	36.93
1929	297,161	68,055	22.90	1,571	544	34.63	42,855	15,627	36.46

[1] Potatoes, dutiable under paragraph 581, and wheat and products, dutiable under paragraph 644, tariff act of 1913, are included, beginning with 1914.

No. 550.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule J.—Flax, hemp, and jute, and manufactures of[1]			Schedule K.—Wool, and manufactures of			Schedule L.—Silks and silk goods		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1904	71,460	32,898	46.04	39,963	27,252	68.19	31,483	16,610	52.76
1905	73,284	33,769	46.08	53,465	33,078	61.87	31,823	17,010	53.45
1906	92,055	41,777	45.38	63,265	37,969	60.02	32,592	17,351	53.24
1907	114,124	49,391	43.72	62,832	36,561	58.19	38,817	20,314	52.33
1908	96,177	41,922	43.59	45,822	28,845	62.95	31,755	16,493	51.94
1909	91,210	42,145	46.21	52,814	33,365	63.17	31,001	16,284	52,53
1910	106,375	49,735	46.75	70,745	41,905	59.23	32,296	17,024	52.71
1911	99,402	47,053	47.34	48,395	28,993	59.89	30,994	16,053	51.80
1912	108,698	49,062	45.14	48,361	27,072	55.98	26,572	13,695	51.54
1913	116,587	48,912	41.95	45,386	25,833	56.98	29,224	14,812	50.68
1914	55,471	19,913	35.26	39,265	16,957	43.19	34,040	15,377	45.17
1915	30,051	8,795	29.27	30,436	9,012	32.56	23,098	9,810	42.47
1916	30,944	8,619	27.85	18,353	6,129	33.39	28,305	11,928	42.14
1917	29,130	8,209	28.19	21,184	7,081	33.43	35,124	14,655	41.72
1918	26,587	7,200	27.08	27,048	8,956	33.11	24,474	10,067	41.13
1918 (6 months)	10,873	2,682	24.67	9,827	2,962	30.14	10,749	4,308	40.07
1919	27,187	6,553	24.10	18,123	5,695	31.42	49,684	20,276	40.81
1920	52,926	13,362	25.25	49,800	16,720	33.57	55,793	21,773	39.02
1921	36,828	10,118	27.47	52,410	18,307	34.93	45,055	18,576	41.23
1922	63,505	15,999	25.19	79,956	48,225	60.31	36,653	16,622	45.35
1923	121,126	24,632	20.34	162,016	91,466	56.45	40,794	21,692	53.18
1924	117,216	26,121	22.28	123,904	62,582	50.51	33,234	17,629	53.05
1925	143,723	25,684	17.87	162,458	71,019	43.71	40,304	21,388	53.07
1926	145,168	26,737	18.42	148,187	73,965	49.91	44,138	24,074	54.54
1927	126,524	26,525	20.96	127,707	67,219	52.64	51,293	28,815	56.18
1928	135,769	25,088	18.48	115,181	57,172	49.64	48,730	27,810	57.06
1929	129,409	24,600	19.01	121,636	61,815	50.82	47,156	27,349	58.00

Year	Schedule M.—Pulp, papers and books			Schedule N.—Sundries[2]		
	Values	Duties	Per cent	Values	Duties	Per cent
1904	10,771	2,379	22.09	78,681	18,767	23.85
1905	11,975	2,526	21.09	92,513	20,771	22.45
1906	14,174	3,021	21.31	119,640	26,601	22.23
1907	20,005	4,136	20.67	133,093	29,892	22.45
1908	22,335	4,415	19.75	94,616	24,475	25.87
1909	22,765	4,412	19.39	113,862	26,387	23.17
1910	24,833	5,285	21.28	120,594	29,134	24.16
1911	26,111	5,645	21.62	109,050	27,448	25.17
1912	22,828	4,887	21.41	108,953	26,932	24.72
1913	24,899	5,091	20.45	128,018	30,769	24.03
1914	13,999	3,114	22.25	144,588	48,539	33.57
1915	9,386	1,989	21.19	100,817	37,159	36.86
1916	6,491	1,258	19.38	123,485	39,496	31.98
1917	8,036	1,682	20.92	134,558	40,286	29.94
1918	6,368	1,185	18.60	106,803	30,568	28.62
1918 (6 months)	2,759	460	16.67	44,035	12,653	28.73
1919	6,797	1,106	16.27	206,447	54,433	26.37
1920	10,488	1,749	16.68	233,908	68,704	29.37
1921	8,902	1,672	18.78	165,192	54,222	32.82
1922	12,806	2,776	21.67	197,513	65,370	33.09
1923	19,217	4,667	24.29	229,319	86,647	38.29
1924	18,729	4,813	25.70	215,843	86,695	40.17
1925	18,682	4,416	23.60	217,279	83,288	38.33
1926	21,463	5,241	24.42	229,078	86,448	37.74
1927	22,138	5,417	24.47	226,117	88,624	39.19
1928	25,910	7,881	30.42	215,657	81,810	37.94
1929	24,089	6,099	25.32	241,030	90,509	37.55

[1] Laces, embroideries, etc., included in Schedule J prior to 1914 are, under the law of Oct. 3, 1913, included in Schedule N, beginning 1914.

23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

GENERAL NOTE.—In the general foreign-trade statistics of the United States presented in the preceding section, the Philippines and Virgin Islands are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Porto Rico Hawaii, and Alaska are treated as integral parts of the United States, so that trade between them and continental United States is not included, while trade between them and foreign countries is included; each of these three territories appears as a separate customs district (Table 541). Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also Table 509, p. 464.

The tables in this section present the total foreign trade of each of the United States territories and possessions and shows separately the trade with Continental United States (unless otherwise indicated) and with foreign countries, including other United States territories and possessions.

No. 551.—IMPORTS AND EXPORTS OF ALASKA

NOTE.—In 1929 Alaska shipped $281,771 worth of domestic silver to the United States

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States [1]	From other countries	Total	To United States	To other countries	Total	
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1882–1885	680,250	9,198			24,955		
1886–1890	1,455,600	23,697			8,748		
1891–1895	2,422,600	42,539			15,526		
1896–1900	9,843,000	185,182			135,069		
1901	13,457,000	557,992			2,534,318		
1902		511,830			2,612,021		
1903	9,509,701	477,463	9,987,164	10,228,569	1,612,128	11,840,697	
1904	10,165,110	607,355	10,772,465	10,165,140	1,565,690	11,730,830	6,347,742
1905	11,504,255	1,450,910	12,955,165	10,801,448	1,088,165	11,889,611	9,059,023
1906	14,869,827	845,291	15,715,118	9,272,337	1,377,398	10,649,735	12,638,608
1907	18,402,765	1,134,191	19,536,956	12,155,198	1,489,686	13,644,884	18,564,228
1908	16,577,903	776,974	17,354,877	10,967,777	1,867,905	12,825,682	11,490,777
1909	17,762,600	647,331	18,409,931	13,110,910	961,101	14,072,011	17,782,493
1910	18,670,339	619,348	19,289,687	12,440,380	1,168,014	13,608,394	18,303,128
1911	16,205,730	706,171	16,911,901	14,055,329	1,136,745	15,192,074	15,153,671
1912	19,417,227	563,503	19,980,730	21,778,064	1,010,072	22,788,136	17,250,019
1913	20,827,262	982,271	21,809,533	24,634,987	1,477,991	26,112,978	14,576,015
1914	22,461,723	567,399	23,029,122	21,817,408	1,124,239	22,941,647	12,291,672
1915	21,260,042	640,886	21,900,928	27,442,335	1,001,389	28,443,724	15,342,666
1916	27,086,288	1,066,612	28,152,900	49,468,186	1,426,362	50,894,548	16,195,635
1917	38,992,049	1,469,524	40,461,573	60,773,859	2,474,894	63,248,753	15,409,529
1918	44,280,075	967,532	45,247,607	71,595,414	2,462,470	74,057,884	12,416,660
Dec. 31:							
1918 (6 mos.)	11,678,122	863,515	12,541,637	62,992,202	763,285	63,755,487	6,671,848
1919	37,476,232	1,449,362	38,925,594	60,479,548	1,542,249	62,021,797	8,105,005
1920	36,876,855	1,512,118	38,388,973	60,939,061	1,530,035	62,469,096	6,543,313
1921	19,274,215	935,013	20,209,238	36,916,924	1,445,042	38,361,966	6,543,430
1922	26,777,806	870,927	27,648,733	51,082,995	1,371,490	52,454,485	6,640,978
1923	30,631,306	514,466	31,145,832	53,761,494	1,325,773	55,087,267	5,931,896
1924	32,046,273	529,618	32,575,891	54,974,168	1,351,380	56,325,548	4,602,746
1925	32,352,530	846,981	33,199,511	56,918,746	901,543	57,820,289	5,219,542
1926	31,587,337	543,683	32,131,020	73,300,506	521,881	73,822,387	5,743,076
1927	35,604,108	766,302	36,370,410	51,348,688	483,679	51,832,367	5,394,107
1928	32,058,976	559,262	32,618,238	67,587,207	622,738	68,209,945	6,352,204
1929	33,220,584	954,273	34,174,857	63,567,677	607,017	64,174,694	7,126,724

[1] Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1880 to 1901; from 1903 to date, official figures of shipments to Alaska.

Source: Bureau of Foreign and Domestic Commerce.

No. 552.—IMPORTS AND EXPORTS OF PORTO RICO

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901	6,965,408	1,952,728	8,918,136	5,641,137	3,002,679	8,643,816
1902	10,882,653	2,326,957	13,209,610	8,376,766	4,055,190	12,433,956
1903	12,245,845	2,203,441	14,449,286	11,051,195	4,037,884	15,089,079
1904	11,210,060	1,958,969	13,169,029	11,722,826	4,543,077	16,265,903
1905	13,974,070	2,562,189	16,536,259	15,633,145	3,076,420	18,709,565
1906	19,224,881	2,092,784	21,827,665	19,142,461	4,115,069	23,257,530
1907	25,686,285	3,580,887	29,267,172	22,070,133	4,926,167	26,996,300
1908	22,677,376	3,148,289	25,825,665	25,891,261	4,753,209	30,644,470
1909	23,618,515	2,925,781	26,544,326	26,394,312	3,996,913	30,391,225
1910	27,097,654	3,537,201	30,634,855	32,095,897	5,864,617	37,960,514
1911	34,671,958	4,115,039	38,786,997	34,765,409	5,152,958	39,918,367
1912	38,470,963	4,501,928	42,972,891	42,873,401	6,832,012	49,705,413
1913	33,155,005	3,745,057	36,900,062	40,538,623	8,564,942	49,103,565
1914	32,568,368	3,838,419	36,406,787	34,423,180	8,679,582	43,102,762
1915	30,929,831	2,954,465	33,884,296	42,311,920	7,044,987	49,356,907
1916	35,892,515	3,058,400	38,950,915	60,952,758	5,634,937	66,587,695
1917	49,539,249	4,005,975	53,545,224	73,115,224	7,855,680	80,970,904
1918	58,945,758	4,443,524	63,389,282	65,515,650	8,753,450	74,269,100
Dec. 31:						
1918 (6 months)	25,668,096	1,796,219	27,464,315	31,333,827	3,733,065	35,066,892
1919	67,799,541	5,261,052	73,060,593	78,320,180	11,075,625	89,395,805
1920	121,561,574	7,512,404	129,073,978	158,322,083	16,346,697	174,668,780
1921	60,977,112	7,377,251	68,354,363	71,987,716	6,753,990	78,741,706
1922	57,968,112	6,849,098	64,817,210	60,105,155	5,012,292	65,117,447
1923	76,919,616	7,547,504	84,467,120	80,303,272	5,768,723	86,071,995
1924	78,412,003	9,337,444	87,749,447	77,330,748	7,307,792	84,728,540
1925	77,499,807	11,620,875	89,120,682	92,679,754	7,053,295	99,733,049
1926	84,737,537	12,664,064	97,401,601	90,166,856	7,579,594	97,746,450
1927	86,326,546	11,264,383	97,594,286	96,902,024	7,537,741	104,459,765
1928	81,940,283	13,325,628	95,265,911	97,268,763	6,398,231	103,666,994
1929	76,269,279	11,728,596	87,997,875	78,116,574	5,117,801	83,234,375

No. 553.—IMPORTS AND EXPORTS OF HAWAII

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901	(1)	2,835,278	(1)	27,903,058	120,211	28,023,269
1902	(1)	3,036,583	(1)	24,730,060	63,547	24,793,607
1903	10,943,063	3,142,013	14,085,076	26,242,869	32,509	26,275,438
1904	11,683,393	3,797,641	15,481,034	25,157,255	47,620	25,204,875
1905	11,753,180	3,014,964	14,768,144	36,112,055	59,541	36,171,596
1906	12,030,675	3,275,242	15,311,917	26,882,199	56,313	26,938,512
1907	14,435,725	4,151,709	18,587,434	29,071,813	229,914	29,301,727
1908	15,038,155	4,682,399	19,720,554	41,640,505	597,610	42,238,145
1909	17,780,778	4,033,574	21,814,352	40,432,945	84,152	40,517,097
1910	20,580,101	4,606,334	25,186,435	46,183,265	306,763	46,490,028
1911	21,925,177	5,190,449	27,115,626	41,207,651	730,342	41,938,293
1912	24,652,905	5,598,444	30,251,349	55,076,070	373,273	55,449,343
1913	30,646,089	6,873,531	37,519,620	42,713,184	758,646	43,471,830
1914	25,773,112	6,282,558	32,055,970	40,678,580	915,245	41,593,825
1915	25,001,764	5,716,023	30,720,787	62,087,250	377,509	62,464,759
1916	31,127,577	6,068,529	37,196,106	64,438,297	226,747	64,665,044
1917	44,330,475	6,482,951	50,813,426	73,174,343	923,747	74,098,090
1918	43,646,515	6,807,048	50,453,563	79,392,926	1,553,700	80,946,626
Dec. 31:						
1918 (6 months)	19,061,246	5,476,008	24,537,254	42,224,209	4,152,299	46,376,508
1919	49,983,869	8,980,704	58,964,573	98,303,015	4,702,103	103,063,118
1920	74,052,453	12,284,592	86,337,045	192,383,185	3,437,699	195,820,884
1921	64,446,173	9,529,755	73,975,928	71,669,115	1,350,483	73,019,598
1922	53,585,740	7,496,913	61,082,653	73,431,304	1,257,268	74,688,569
1923	66,421,393	8,684,804	75,106,197	101,085,642	1,581,164	102,666,806
1924	69,767,693	8,884,223	78,651,916	108,473,292	1,415,911	109,889,203
1925	72,924,409	10,829,509	83,753,918	102,780,509	1,844,782	104,625,291
1926	76,202,624	10,254,565	86,517,189	98,260,941	1,884,079	100,145,020
1927	79,630,089	9,171,815	88,801,904	109,236,321	2,267,714	111,504,035
1928	77,762,940	10,361,293	88,124,233	116,956,090	2,523,745	119,479,835
1929	82,061,424	9,752,667	92,414,091	106,312,833	2,126,276	108,439,108

[1] No data.

Source of Tables 552 and 553: Bureau of Foreign and Domestic Commerce.

No. 554.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Year ended—	Merchandise imports			Merchandise exports		
	From United States [1]	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901	2,355,685	27,423,721	30,279,406	2,572,021	20,642,927	23,214,948
1902	4,035,243	28,106,599	32,141,842	7,691,743	16,235,936	23,927,679
1903	3,944,098	29,027,784	32,971,882	13,863,059	19,258,721	33,121,780
1904	4,633,216	28,587,545	33,220,761	11,102,775	19,147,852	30,250,627
1905	5,761,498	25,114,852	30,876,350	15,668,020	16,684,589	32,352,615
1906	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909	4,991,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910	10,775,301	26,292,329	37,067,630	18,741,771	21,122,398	39,864,169
1911	19,483,658	30,350,064	49,833,722	16,716,956	23,061,673	39,778,629
1912	20,604,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913	25,387,085	30,940,498	56,327,583	19,848,885	33,834,441	53,683,326
1914	23,571,821	27,439,749	56,011,570	22,047,105	29,190,943	51,238,048
1915	22,394,381	22,085,480	44,479,861	23,001,275	27,913,786	50,915,061
1916	23,804,367	22,169,258	45,973,625	28,638,526	32,825,505	61,464,031
1917	27,516,556	24,466,722	51,983,278	43,125,393	28,589,982	71,715,375
1918	49,799,229	33,964,061	83,763,290	77,010,233	39,004,378	116,614,611
Dec. 31:						
1918 (6 months)	31,949,240	21,071,502	53,620,742	50,920,499	24,518,860	75,439,359
1919	75,491,415	43,147,637	118,639,052	56,453,173	56,664,660	113,117,833
1920	92,289,778	57,148,505	149,438,283	105,216,263	45,907,593	151,123,856
1921	74,130,015	41,708,559	115,838,574	50,356,798	37,758,530	88,115,323
1922	47,738,326	32,459,319	80,197,645	64,111,601	31,471,697	95,583,298
1923	50,362,535	37,447,212	87,799,747	85,047,023	35,705,907	120,752,990
1924	60,399,380	47,611,515	108,010,895	97,313,903	38,030,760	135,344,663
1925	69,297,583	50,435,251	119,732,834	100,044,942	39,832,263	148,877,205
1926	71,575,618	47,723,374	119,298,992	100,003,215	36,881,105	136,884,320
1927	71,478,297	44,373,175	115,851,472	116,038,250	39,535,835	155,574,085
1928	83,858,068	50,798,830	134,656,898	115,585,876	39,468,670	155,054,546
1929	92,592,959	54,567,316	147,160,275	124,465,473	39,981,370	164,446,843

[1] The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1905, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs.

No. 555.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	100,507	17,787	118,294	62,062	.....	62,062
1917	93,626	16,688	110,314	198,496	.....	198,499
1918	94,334	51,565	145,899	118,520	.....	118,520
Dec. 31:						
1918 (6 months)	66,409	46,033	112,442	136,071	.....	136,071
1919	95,329	87,630	182,959	90,421	.....	90,421
1920	126,185	99,110	225,295	98,213	.....	98,213
1921	127,654	94,833	222,487	117,446	.....	117,446
1922	96,317	100,586	196,586	98,216	.....	98,216
1923	97,396	101,464	198,860	95,164	.....	95,164
1924	91,309	103,053	194,362	102,895	47,385	150,280
1925	92,514	99,898	192,412	26,712	123,621	150,333
1926	231,052	87,088	318,140	78,033	(1)	(1)
1927	129,877	82,491	203,368	40,852	(1)	(1)
1928	106,260	98,490	204,750	179,068	(1)	(1)
1929	113,287	88,684	201,971	106,756	(1)	(1)

[1] Not available.

Source: Returns to the Navy Department.

No. 556.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

NOTE.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31; thereafter, all figures cover calendar years

Year (see headnote)	Merchandise imports			Merchandise exports		
	From United States[1]	From other countries	Total	To United States	To other countries	Total
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1910	749,174	----------	1,296,774	403,926	----------	469,908
1911	810,537	----------	1,724,826	135,117	----------	543,528
1912	924,700	----------	1,683,072	489,639	----------	548,924
1913	894,087	----------	1,647,356	48,031	----------	282,152
1914	890,966	----------	1,712,103	29,374	----------	331,188
1915	703,354	----------	1,318,769	350,822	----------	378,859
1916	850,377	----------	1,222,500	63,496	----------	260,045
1917	1,438,904	----------	(2)	1,259,607	----------	(2)
1918	1,640,103	252,326	1,892,429	1,137,501	111,845	1,249,346
1919	1,804,117	472,395	2,276,512	1,593,120	326,405	1,919,525
1920	3,993,478	862,619	4,856,097	4,540,386	208,933	4,749,319
1921	2,622,396	416,354	3,038,750	734,674	149,061	883,735
1922	1,647,353	362,598	2,009,951	734,476	101,029	835,505
1923	1,617,625	323,142	1,940,767	414,609	99,433	514,042
1924	1,668,495	360,223	2,028,718	394,085	97,471	461,556
1925	1,915,277	(2)	(2)	1,020,748	(2)	(2)
1926	1,799,444	(2)	(2)	810,410	(2)	(2)
1927	2,053,340	(2)	(2)	968,463	(2)	(2)
1928	2,277,030	(2)	(2)	1,195,314	(2)	(2)
1929	2,298,269	(2)	(2)	603,323	(2)	(2)

[1] United States customs area.
[2] Not available.

Sources: Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America," by Luther K. Zabriski; all other figures from Bureau of Foreign and Domestic Commerce.

No. 557.—IMPORTS AND EXPORTS OF GUAM

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	177,163	79,785	256,948	33,306	29,007	62,313
1917	114,301	172,351	286,652	46,972	33,363	80,435
1918	221,241	136,906	358,147	68,742	63,016	131,758
Dec. 31:						
1918 (6 months)	108,400	71,543	180,003	2,901	36,059	38,860
1919	308,465	138,716	447,181	49,222	15,330	64,552
1920	234,960	120,692	355,652	28,432	22,066	50,498
1921	304,111	179,573	483,684	15,566	24,776	40,342
1922	424,411	171,709	596,120	49,426	13,505	62,931
1923	456,824	217,732	674,556	77,109	16,977	94,086
1924	380,506	252,215	632,721	55,192	10,903	66,095
1925	324,619	261,216	585,835	89,219	10,735	99,954
1926	275,230	218,125	493,355	86,298	32,730	119,028
1927	208,660	195,617	404,277	112,803	41,408	154,271
1928	326,844	334,420	661,264	124,677	117,855	242,532
1929	290,980	521,835	812,815	54,688	293,681	348,369

Source: Returns to the Navy Department.

No. 558.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 551

Territory and product	Quantity			Value (thousands of dollars)			
	1927	1928	1929	1926	1927	1928	1929
ALASKA							
Animals, number	1,295	880	3,333	178	74	52	157
Fish, 1,000 lbs.	231,067	333,058	291,979	54,499	34,166	51,315	44,299
Halibut, fresh and frozen, do.	17,111	13,195	14,050	2,023	2,283	1,686	1,909
Salmon, fresh and frozen, do.	5,503	5,959	6,085	632	675	733	818
Canned salmon, do.	180,554	286,982	253,167	48,336	27,223	45,549	38,568
Cured or preserved fish, do.	25,951	25,194	16,714	2,979	3,531	2,934	2,487
Shellfish, do.	1,217	1,004	1,346	477	398	300	467
Other fish products:							
Meal, tons[1]	6,375	9,051	11,909	682	414	664	820
Oil, 1,000 galls.	2,033	2,569	3,407	1,350	856	1,073	1,380
Furs and fur skins, number	318,558	342,482	422,495	1,549	4,266	3,890	5,237
Whale oil, 1,000 galls.	948	726	948	253	219	254	375
Copper (ore, matte, regulus), 1,000 lbs.	61,464	45,350	43,899	10,772	8,510	6,782	8,698
Lead (ore, matte, regulus), do.	1,975	2,106	2,592	129	133	130	178
Reindeer meat, do.	820	1,318	1,384	128	88	154	141
Stone, including marble, tons[1]	3,950	33	143	204	120	123	110
Wood, timber, and lumber, M ft.	6,243	1,838	2,405	365	221	68	140
Total Alaskan products				70,595	49,269	65,505	61,764
Articles produced in U. S. returned				2,592	1,821	1,950	1,585
Total foreign merchandise				114	258	132	219
Total, all merchandise				73,301	51,349	67,587	63,568
HAWAII							
Coffee, 1,000 lbs.	5,435	3,699	5,300	472	1,398	983	1,323
Fruits				34,229	33,842	39,589	38,694
Bananas, bunches	216,733	183,508	199,905	248	217	185	201
Pineapples (canned), 1,000 lbs.	408,161	495,686	439,867	33,928	33,502	39,299	38,431
Hides and skins, do.	1,459	1,458	1,581	139	170	238	164
Honey, do.	1,237	1,680	1,795	79	65	95	100
Molasses, 1,000 galls.	13,868	21,486	28,370	763	570	901	1,016
Sugar:							
Unrefined, 1,000 lbs.	1,525,628	1,725,481	1,745,047	57,953	68,143	70,177	60,374
Refined, do.	27,445	31,885	19,809	1,091	1,085	1,859	1,041
Total Hawaiian products				95,294	106,370	114,155	103,797
Articles produced in U. S. returned				2,939	2,832	2,786	2,475
Total foreign merchandise				29	35	15	41
Total, all merchandise				98,261	109,238	116,956	106,313
PORTO RICO							
Cotton:							
Unmanufactured, pounds	652,062	458,990	306,461	217	282	267	133
Handkerchiefs, 1,000 doz.	954	702	1,245	1,036	1,237	1,214	1,206
Wearing apparel, 1,000 lbs.	3,935			7,230	7,248	8,335	13,087
Fruits				5,186	6,817	4,637	3,861
Grapefruit, fresh, boxes	879,428	451,868	373,365	2,061	2,087	1,222	1,418
Oranges, fresh, do.	371,980	354,618	82,475	796	903	792	175
Pineapples, fresh, crates	641,518	499,007	547,702	1,500	1,925	1,504	1,807
Grapefruit, canned, etc., 1,000 lbs.	10,627	10,129	1,798	674	1,168	944	160
Pineapples, canned, etc., do.	1,409	2,281	2,379	142	117	153	263
Coconuts, thousands	22,578	19,430	3,440	567	662	547	124
Hides and skins, 1,000 lbs.	796	824	1,117	58	137	186	160
Honey, do.	1,488	1,265	666	82	88	84	45
Manganese ore, tons[1]	1,624	1,523	2,316	42	42	57	84
Alcohol, denatured, galls.	712,275	754,315	1,050,488	136	311	268	431
Sugar and molasses:							
Sugar, 1,000 lbs.	1,148,127	1,348,894	1,014,783	46,530	55,337	58,574	36,494
Molasses, 1,000 galls.	16,697	23,700	15,854	932	767	878	838
Tobacco:							
Leaf—							
Unstemmed, 1,000 lbs.	6,626	1,639	2,496	5,045	2,953	443	1,046
Stemmed, do.	17,420	15,936	19,807	14,896	11,554	10,253	11,393
Stems, scraps, etc., do.	6,816	8,191	8,154	1,048	1,191	1,630	1,018
Cigars and cheroots, thousands	147,555	153,590	144,967	4,898	3,936	3,824	3,219
Cigarettes, do.	5,227	5,368	4,730	50	52	44	40
Total Porto Rican products				88,872	95,677	95,035	75,992
Articles produced in U. S. returned				1,280	1,162	2,167	2,049
Total foreign merchandise				15	64	67	75
Total, all merchandise				90,167	96,902	97,269	78,116

[1] Of 2,240 pounds.

No. 558.—Shipments of Principal Products to the United States from Alaska, Hawaii, Porto Rico, and the Philippine Islands—Continued

Territory and product	Quantity			Value (thousands of dollars)			
	1927	1928	1929	1926	1927	1928	1929
PHILIPPINE ISLANDS							
Oil cake and meal (coconut)...1,000 lbs.	36,170	22,743	21,960	417	432	355	377
Coconut meat prepared.....do....	33,904	46,686	43,123	2,683	3,041	4,005	3,395
Copra.....do....	341,389	371,889	310,194	14,037	15,113	16,548	13,154
Coconut oil.....do....	293,370	290,637	411,936	22,088	22,900	23,061	29,552
Rubber, crude.....do....	323	373	579	106	105	124	123
Leaf tobacco.....do....	1,611	3,727	3,963	197	253	521	443
Cigars and cheroots.....do....	2,645	2,574	2,073	5,047	4,142	4,190	3,341
Cotton wearing apparel.....do....				5,422	3,521	3,639	4,605
Cordage.....do....	5,693	5,903	6,937	893	838	781	951
Manila fiber.....tons[1]	51,210	46,525	71,327	18,213	13,075	9,423	13,330
Boards, planks, and deals.....M ft.	112	283		20	5	11	
Sawed cabinet woods.....do....	32,931	33,881	34,521	1,225	1,634	1,358	1,582
Chair cane or reed.....M lbs.				3			
Articles produced in U. S. returned				262	284	356	245
Total, all merchandise				103,797	115,980	115,609	125,792

[1] Of 2,240 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 559.—Shipments of Merchandise from the United States to Alaska, Hawaii, Porto Rico, and the Philippine Islands: Values

Note.—Values in thousands of dollars. Totals include items not shown separately

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1928	1929	1928	1929	1928	1929	1928	1929
Total merchandise	32,059	33,221	77,763	82,661	81,940	76,269	79,648	85,414
Animals and Animal Products	4,557	4,565	6,910	7,222	12,327	11,514	7,056	7,593
Meat products	1,920	1,946	1,975	2,159	3,974	3,635	462	516
Eggs	582	580	573	587	68	68	3	3
Milk, condensed, evaporated, etc.	461	456	711	696	601	567	3,023	3,200
Butter and cheese	841	837	834	933	507	474	168	131
Fish	103	113	981	915	768	486	1,634	2,026
Animal fats and oils, edible	109	100	180	177	2,717	2,936	57	34
Boots and shoes	198	185	832	957	3,128	2,924	235	308
Other leather manufactures	55	59	299	284	239	209	160	185
Vegetable Food Products and Beverages	4,372	3,935	11,649	12,189	18,405	17,770	7,379	7,889
Grains and preparations	874	794	5,061	5,000	11,658	10,908	4,755	4,825
Rice	86	80	2,947	3,217	7,317	6,964	9	3
Wheat flour	386	356	942	914	2,781	2,572	4,557	4,523
Biscuits and crackers	177	166	137	124	549	479	104	177
Vegetables	781	742	1,440	1,698	3,290	3,200	580	618
Potatoes	119	146	215	322	680	659	29	29
Canned vegetables	319	323	349	413	198	175	265	273
Fruits	855	763	1,418	1,412	411	490	910	1,016
Oranges	132	105	505	431	(1)		242	261
Apples	92	84	180	197	48	69	187	257
Canned and preserved fruits	340	315	328	331	213	261	172	162
Coffee	408	391	176	206	748	883	293	374
Sugar	435	298	123	200	28	14	52	90
Confectionery	324	285	497	546	459	572	233	224
Beverages and fruit juices	158	151	206	244	451	325	58	40
Vegetable Products, Inedible, Except Fibers and Wood	1,268	1,281	4,494	4,918	4,767	4,668	6,016	6,872
Rubber manufactures	401	424	1,982	1,971	1,453	1,364	2,910	3,326
Boots and shoes[2]	210	216	95	104	298	450	946	1,171
Automobile tires:								
Casings	41	40	1,235	1,261	726	570	1,205	1,395
Inner tubes	7	8	170	162	90	61	195	185
Belting, hose, and packing	124	132	116	159	73	70	192	208
Tobacco:								
Leaf	(1)		(1)		915	872	730	391
Cigars and cheroots	204	155	136	204	13	14		
Cigarettes	369	393	1,431	1,756	1,949	1,968	1,772	2,292
Smoking	154	159	622	607	44	10	14	18

[1] Less than $500.

[2] Includes canvas shoes with rubber soles.

No. 559.—Shipments of Merchandise from the United States to Alaska, Hawaii, Porto Rico, and the Philippine Islands: Values—Continued

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1928	1929	1928	1929	1928	1929	1928	1929
Textiles	2,932	2,901	6,827	6,992	14,988	14,419	16,059	14,617
Sewing, crochet, and embroidery cotton	11	4	111	112	465	366	521	677
Cotton cloth	142	115	1,387	1,349	6,432	6,064	12,019	10,124
Cotton wearing apparel	512	469	1,125	1,098	3,082	2,646	378	386
Bags of jute	89	98	284	206	616	281	(1)	31
Cordage and twine (cotton, jute, and others)	765	796	130	156	213	207	165	197
Wool wearing apparel	408	390	469	462	427	465	35	45
Other wool manufactures	100	112	422	432	92	232	154	95
Silk manufactures	103	128	805	923	455	628	596	680
Wood and Paper	1,740	1,988	6,173	6,988	5,182	4,453	1,878	2,320
Logs and timber	193	220	194	159	329	163	25	28
Boards, planks, and deals	466	473	1,789	1,940	1,967	1,847	111	128
Box shooks	305	508	503	594	369	188	30	33
Cooperage shooks	129	100	4	2	41	46	1	1
Wood furniture	86	100	619	756	684	563	28	40
Paper and manufactures	290	327	2,153	2,625	1,389	1,321	1,335	1,787
Nonmetallic Minerals	2,661	2,633	9,677	10,785	4,333	3,947	7,890	8,433
Coal	306	333	31	43	161	233	5	-----
Petroleum and products	1,950	1,856	7,462	8,299	3,065	2,725	7,093	7,557
Gasoline	1,183	959	3,827	4,416	1,301	1,078	3,000	2,926
Illuminating oil	85	110	655	761	402	452	2,287	2,540
Gas and fuel oil	370	429	1,939	2,023	663	679	590	830
Lubricating oil	281	318	739	787	461	355	987	946
Metals and manufactures, except Machinery and Vehicles	8,167	8,301	10,278	10,737	6,285	5,304	9,673	11,407
Iron and steel	7,827	8,433	8,794	8,941	5,302	4,650	8,389	9,965
Steel bars	73	105	291	256	170	225	146	277
Iron and steel plates	12	16	100	69	30	30	154	103
Galvanized sheets	75	99	212	219	1,166	666	2,169	2,639
Tin plates	864	1,034	3,519	3,582	14	305	602	917
Structural forms	20	60	272	304	347	345	616	440
Cast-iron pipe and fittings	28	50	483	363	232	144	329	565
Wire	949	1,027	356	405	258	230	556	764
Wire nails	72	66	108	65	190	103	174	170
Cutlery	15	14	106	127	139	134	83	131
Tin cans, finished or unfinished	3,974	4,154	47	32	145	142	3	(1)
Enameled iron and steel	53	65	194	206	207	142	87	71
Stoves, ranges, furnaces	221	238	311	285	44	45	50	41
Tools	131	130	232	247	185	171	365	387
Copper	66	69	502	451	443	288	536	590
Machinery and Vehicles	3,789	4,339	11,483	12,034	7,051	5,385	14,726	15,545
Engines	632	613	448	867	362	210	1,485	1,260
Electrical machinery and appliances	619	687	1,705	2,254	806	918	1,411	2,045
Agricultural machinery	92	135	375	374	447	282	533	430
Other machinery	1,727	2,087	2,773	2,785	1,889	1,588	5,276	4,209
Motor trucks and busses	82	109	837	606	765	507	1,371	2,274
Passenger automobiles	336	299	3,758	3,760	1,726	1,289	2,773	2,381
Automobile parts and accessories, except tires	113	111	803	911	497	332	805	1,051
Chemicals and Related Products	1,189	1,316	5,270	5,902	5,343	6,078	4,931	6,092
Chemicals	480	549	1,156	1,317	1,518	1,510	1,502	1,575
Medicinal and pharmaceutical preparations	242	299	488	479	971	880	722	783
Paints, pigments, and varnishes	216	214	979	984	564	549	637	742
Explosives, fuses, etc	328	406	142	126	32	30	149	215
Fertilizers	3	3	1,927	2,284	2,248	2,448	1,229	2,021
Soap	132	115	672	749	1,133	1,311	915	791
Miscellaneous	1,367	1,442	5,012	4,897	2,760	2,753	4,040	4,737
Motion-picture films	143	121	67	65	77	39	68	81
Musical instruments	115	133	988	829	335	346	509	678
Toys	53	63	185	205	128	198	84	95
Athletic and sporting goods	77	45	180	216	27	29	149	149
Books, pictures, and other printed matter	284	306	1,381	1,201	450	382	1,195	1,254
Household and personal effects	121	150	330	338	197	224	112	124

[1] Less than $500.

Source: Bureau of Foreign and Domestic Commerce.

24.—IRRIGATION AND DRAINAGE

GENERAL NOTE.—Data in this section cover irrigation and drainage enterprises in continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau (for area so served, see Table 565). Tables 568 to 573 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

No. 560.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1929

DEBIT SIDE

Construction account, primary projects:			
Cost of irrigation works—			
Original construction	$174,162,414		
Supplemental construction	10,360,934		
Value of works taken over	2,062,994		
Total construction cost		$186,586,342	
Operation and maintenance prior to public notice (net)	2,677,169		
Operation and maintenance deficits and arrearages and penalties on water-right charges funded with construction	5,728,017		
		8,405,186	
		194,991,528	
Less—			
Abandoned works and nonreimbursable cost, etc., (net)	16,546,277		
Construction revenues	5,333,678		
Contributed funds	1,320,871		
		23,200,826	
Balance repayable			$171,790,702
Yuma auxiliary project: Cost of works less construction revenues			875,098
Secondary projects and general investigations: Cost of surveys and investigations less contributed funds			2,344,290
Plant and equipment			856,482
Materials and supplies			610,907
Accounts receivable			154,669,867
Prepaid civil service retirement fund			2,340
General office expense undistributed			600,854
Unadjusted debits			63,607
Cash on hand and in special deposit and in transit			8,217,412
Total debits			340,040,559

CREDIT SIDE

Security for repayment of cost of irrigation works:			
Contracted construction repayments		$186,529,062	
Yuma auxiliary contracted repayments		645,502	
			$187,174,564
Current accounts payable			1,340,884
Deferred and contingent obligations			555,366
Reserves and undistributed profits			6,281,426
Unadjusted credits: Collection vouchers in transit			3,847
Operation and maintenance results, surplus			430,250
Government aid for reclamation of arid lands:			
Reclamation fund		145,714,306	
Special funds—			
Judgments, Court of Claims		600,008	
Rio Grande Dam		1,000,000	
General investigations, 1923–Dec. 31, 1924		266,353	
Increase of compensation		2,797,960	
Wind River Indian (Riverton)		359,176	
Drainage and cut-over lands		99,815	
Arid, semiarid, swamp, and cut-over timberlands		45,000	
Columbia Basin irrigation project		25,000	
Colorado River levee system		200,000	
Advances to reclamation fund (bond loan) less amount repaid		11,000,000	
Total		162,107,618	
Less nonreimbursable appropriation, Rio Grande Dam		1,000,000	
		161,107,618	
Less impairment of funds—			
Abandoned construction works	$1,358,181		
Nonreimbursable construction cost	478,934		
Operation and maintenance cost, uncollectible	453,291		
Charge-offs, act of May 25, 1926	14,562,990		
		16,853,396	
			144,254,222
Total credits			340,040,559

Source: Bureau of Reclamation, Department of the Interior.

No. 561.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST, AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1929

State and project	Construction cost	Operation and maintenance cost before public notice (net)	Operation and maintenance deficits and arrearages	Deductions: Construction revenues and contributed funds	Deductions: Abandoned works, non-reimbursable cost, etc.	Total to be repaid by water users
Total	*Dollars* 186,586,342	*Dollars* 2,877,169	*Dollars* 5,728,017	*Dollars* 6,654,549	*Dollars* 16,546,277	*Dollars* 171,790,702
Arizona: Salt River	12,744,223	115,994		2,312,097	[1] 382,097	10,166,022
Arizona-California: Yuma	9,350,932	374,302	2,922	213,830		9,514,326
California: Orland	2,393,131	[2] *12,584*		25,526		2,355,281
Colorado:						
Grand Valley	4,768,242	138,621		54,719	[3] 812,375	4,039,770
Uncompahgre	6,438,177	299,309	8,174	24,224	[3] 1,258,323	5,463,113
Idaho:						
American Falls	7,035,055	9,000		19,020		7,025,035
Boise	14,580,885	422,283	875,739	69,975	[3] 82,394	15,726,539
King Hill	1,905,319		110,123	28,187	[3] 497,285	1,489,969
Minidoka	6,919,552	313,431	359,613	1,805,474	[3] 2,288	5,784,835
Minidoka gravity extension	374,542			1,000		373,542
Kansas: Garden City	342,964	52,808		61,357	[4] 334,475	
Montana:						
Huntley	1,562,303	[2] *1,084*	378,926	16,387	[3] 62,050	1,859,758
Milk River	6,768,680	439,118	88,693	83,699	[3] 1,911,189	5,301,603
Sun River	6,730,297	134,184	81,126	44,430	[3] 89,320	6,811,857
Montana-North Dakota: Lower Yellowstone	3,437,695	[2] *2,298*	901,208	49,353	[3] 382,254	3,904,997
Nebraska-Wyoming: North Platte	19,163,145	703,116	1,506,495	256,660	[3] 30,322	21,085,633
Nevada: Newlands	7,956,627	[2] *2,165*	20,405	52,347	[3] 4,437,820	3,484,710
New Mexico:						
Carlsbad	1,404,523	[2] *17,603*	1,934	26,012		1,422,841
Hondo	339,492	32,952		656	[4] 371,788	
New Mexico-Texas: Rio Grande	14,817,009	[2] *297,858*		287,052	[5] 1,260,676	12,971,423
North Dakota:						
Buford-Trenton	223,423	[2] *22*		1,908	[4] 221,424	
Williston	517,630	[2] *165*		86,970	[4] 430,495	
Oregon:						
Baker	68,334			5,000		63,334
Umatilla	5,176,914	[2] *86,054*	230,205	30,300	[3] 888,341	4,452,425
Vale	1,305,251			5,000		1,300,251
Oregon-California: Klamath	5,497,865	72,943	3,712	320,494	[3] 7,500	5,246,526
Oregon-Idaho: Owyhee	1,699,110			4,355		1,694,755
South Dakota: Belle Fourche	8,855,320	[2] *1,989*	669,943	17,071	[3] 379,032	4,127,172
Utah:						
Salt Lake Basin	1,399,029			34,328		1,364,701
Strawberry Valley	3,507,423	10,744	71,455	258,379		3,331,243
Washington:						
Okanogan	1,451,720	[2] *47,767*	25,194	6,631	[3] 998,318	424,190
Yakima	14,441,902	[2] *62,958*	83,327	358,561	[3] 4,215	14,098,496
Yakima-Kittitas	4,907,003			1,101		4,905,903
Wyoming:						
Riverton	3,354,981	13,478		13,536		3,354,924
Shoshone	9,577,644	28,061	308,914	76,852	[5] 1,702,299	8,135,468

[1] Nonreimbursable cost. [2] Contra. [3] Authorized charge-offs, act of May 25, 1926. [4] Abandoned works [5] Nonreimbursable cost, $1,600,000; authorized charge-offs, $260,676.

Source: Bureau of Reclamation, Department of the Interior.

No. 562.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1928 (CALENDAR YEAR)

State and project	Operation and maintenance cost	Operation and maintenance returns: Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues	Other credits [1]	Results: Excess (+) or deficit (−)
Total	*Dollars* 1,752,259	*Dollars* 1,743,388	*Dollars* 13,024	*Dollars* 13,883	*Dollars* 12,050	*Dollars* 703,175	*Dollars* +711,695
Arizona: Yuma auxiliary	21,982	38,595			1,369		+17,982
Arizona-California: Yuma	312,690	446,197	7,602	6,207	12,362		+147,205
California: Orland	32,862	32,226	432	2,489	285		−2,408
Colorado:							
Grand Valley	48,803	48,000			803		
Uncompahgre	121,626	243,308	106	[2] 8	3,608		+125,458

[1] Amounts to be repaid with constructions and charge-offs under act of May 25, 1926. [2] Contra.

No. 562.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1928 (CALENDAR YEAR)—Continued

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits [1]	Results: Excess (+) or deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
Idaho:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Boise	29,413	25,076				95	−4,242
Boise (drainage)		[2] *30*					−30
Minidoka	92,306	94,575			[2] *496*		+1,772
Montana:							
Huntley	216	[2] *5,759*	2			396,024	+390,051
Milk River	49,460	28,831		472	1,775	23,709	+4,382
Sun River	18,040	726	5		6,714	11,071	+477
Montana-North Dakota: Lower Yellowstone	41,797	30,901			806		−1,090
Nebraska-Wyoming: North Platte	24,304	3,333	[2] *3,781*		1,142	400	−29,376
Nevada: Newlands		[2] *1,590*	75				−1,515
New Mexico: Carlsbad	58,056	39,203	781	1,058	2,152		−16,918
New Mexico-Texas: Rio Grande	412,352	420,552	2,527		[2] *85,487*		−24,760
North Dakota: Williston					19	[2] *19*	
Oregon: Umatilla	3,648	34,802	[2] *78*		196	71,344	+102,618
Oregon-California: Klamath	91,882	85,900	118		6,850		+986
South Dakota: Belle Fourche	67,030	[3] *111,114*	[2] *2,759*	[2] *1*	2,305	183,304	+4,466
Utah: Strawberry Valley		[2] *138*	728				+591
Washington:							
Okanogan	26,000	36,819		13	344		+11,150
Yakima	268,047	248,400	7,321	3,447	5,012	[2] *1,556*	−12,316
Wyoming: Shoshone	31,745	8,420	[2] *57*		2,202	18,742	−2,348

[1] Amounts to be paid with construction and charge-offs under act of May 25, 1926. [2] Contra.

No. 563.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, RETURNS, AND NET RESULT, TOTALS TO DECEMBER 31, 1928

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits [1]	Results: Excess (+) or deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
Total	*Dollars* 29,862,580	*Dollars* 23,409,423	*Dollars* 458,975	*Dollars* 336,494	*Dollars* 1,545,307	*Dollars* 5,549,392	*Dollars* +734,022
Arizona: Yuma auxiliary	252,676	299,018	538	1,107	4,305		+50,078
Arizona-California: Yuma	3,746,167	3,863,338	89,621	46,462	158,951	2,922	+322,203
California: Orland	384,429	413,563	1,246	18,215	2,695		+14,791
Colorado:							
Grand Valley	48,803	48,000			803		
Uncompahgre	810,152	809,864	14,129	11,603	16,246		+18,485
Idaho:							
Boise	2,229,072	1,567,533	31,158	46,526	111,045	601,025	+35,162
Boise (drainage)	506,005	473,656	38,612	6,123			+139
King Hill	156,734	60,711		1,519	343	97,199	
Minidoka	2,008,281	1,638,649	29,403	22,342	99,248	208,060	+4,793
Montana:							
Huntley	1,014,944	557,745	15,712	10,450	11,597	440,339	
Milk River	150,503	77,510		1,090	3,593	88,603	+18,202
Sun River	279,341	157,623	6,360	3,468	16,022	103,406	+603
Montana-North Dakota: Lower Yellowstone	1,176,568	214,079	3	5	29,831	861,460	+28,799
Nebraska-Wyoming: North Platte	2,700,927	1,772,179	27,304	35,812	29,376	1,043,733	+135,854
Nevada: Newlands	1,453,191	1,158,796	28,661	24,970	26,013	227,168	−7,523
New Mexico: Carlsbad	719,110	713,523	27,364	14,017	23,236	1,924	+2,930
New Mexico-Texas: Rio Grande	2,322,567	2,245,247	7,989	4,486	49,058		−24,760
North Dakota:							
Buford-Trenton	74,781	2,317			10	72,454	
Williston	904,662	34,043	46		489,755	380,819	
Oregon: Umatilla	683,995	372,168	7,698	3,314	40,006	279,610	+12,173
Oregon-California: Klamath	1,023,616	987,653	3,545	4,942	58,767	3,712	+25,149
South Dakota: Belle Fourche	1,378,077	752,308	29,196	9,241	21,263	659,801	+104,650
Utah: Strawberry Valley	437,856	376,881	10,196	11,859	20,400	31,447	−19,790
Washington:							
Okanogan	649,410	559,371	1,451	307	70,485	25,194	+6,605
Yakima	3,821,316	3,658,358	75,030	49,493	116,663	75,047	+56,290
Wyoming: Shoshone	898,725	595,259	13,653	11,053	45,595	255,366	−29,904

[1] Includes deficits uncollectible: Huntley, $81,354; Sun River, $34,148; Newlands, $211,292; Buford-Trenton, $72,454; Williston, $380,819; Umatilla, $91,033; Belle Fourche, $119,606; Shoshone, $38,036; total, $1,028,792. Other data are amounts to be repaid with construction.

Sources of Tables 562 and 563, Bureau of Reclamation, Department of the Interior.

No. 564.—GOVERNMENT IRRIGATION PROJECTS: VOUCHER TRANSACTIONS, ALL FUNDS, AND NET INVESTMENT

State and project	Disbursements		Collections [1]		Net investment	
	During fiscal year 1929	Total to June 30, 1929	During fiscal year 1929	Total to June 30, 1929	During fiscal year 1929	Total to June 30, 1929
Total	*Dollars* 10,255,294	*Dollars* 240,468,376	*Dollars* [2]7,909,026	*Dollars* 86,530,946	*Dollars* 2,346,268	*Dollars* 153,937,430
Arizona:						
Salt River		14,671,593	1,764,784	9,686,545	[3]*1,764,784*	4,985,048
Yuma auxiliary	21,256	970,571	32,910	959,576	[3]*11,654*	10,995
Arizona-California: Yuma	307,484	14,687,092	726,888	7,985,837	[3]*419,404*	6,701,255
California: Orland	112,800	2,875,532	106,413	1,210,236	6,387	1,665,296
Colorado:						
Grand Valley	63,361	5,539,025	74,743	742,653	[3]*11,382*	4,796,372
Uncompahgre	120,034	8,908,738	285,110	2,615,133	[3]*165,076*	6,293,605
Idaho:						
American Falls	12,025	8,179,378	40,217	3,961,673	[3]*27,292*	4,217,705
Boise	126,991	18,941,326	495,225	6,869,798	[3]*368,234*	12,071,528
King Hill	[3]*2,346*	2,107,519	349	129,855	[3]*2,695*	1,977,664
Minidoka	199,942	9,792,863	646,149	7,709,855	[3]*446,207*	2,083,008
Minidoka-Gravity	282,910	337,688	100,188	101,188	182,722	236,500
Kansas: Garden City		390,496		58,002		332,494
Montana:						
Huntley	7,623	2,602,309	112,281	1,169,829	[3]*104,658*	1,432,480
Milk River	51,678	7,749,276	65,755	591,396	[3]*14,077*	7,157,880
Sun River	1,256,151	7,233,603	98,500	757,498	1,157,651	6,476,105
Montana-North Dakota: Lower Yellowstone	197,025	4,656,575	94,977	671,896	102,048	3,984,679
Nebraska-Wyoming: North Platte	142,253	23,247,884	466,557	5,975,872	[3]*324,304*	17,272,012
Nevada: Newlands	87,894	9,677,473	134,441	2,584,173	[3]*46,637*	7,093,300
New Mexico:						
Carlsbad	*65,459*	2,292,993	107,295	1,617,117	[3]*41,836*	675,876
Hondo		406,744		34,957		371,787
New Mexico-Texas: Rio Grande	534,464	19,016,331	902,341	5,953,395	[3]*367,877*	13,062,936
North Dakota:						
Buford-Tenton		311,175		17,874		293,301
Williston		1,420,674	7,435	586,090	[3]*7,435*	834,584
Oregon:						
Baker	2,211	69,155		5,879	2,211	63,276
Vale	750,705	1,264,219	2,902	8,090	747,803	1,256,129
Umatilla	41,334	6,106,336	29,928	1,156,143	11,406	4,950,093
Oregon-California: Klamath	234,692	6,787,491	245,359	2,396,644	[3]*10,667*	4,390,847
Oregon-Idaho: Owyhee	788,489	1,614,146	744	6,351	787,745	1,607,795
South Dakota: Belle Fourche	298,636	5,291,815	153,736	1,419,141	144,900	3,872,674
Utah:						
Salt Lake Basin	743,260	1,309,364	28,033	44,359	715,227	1,265,005
Strawberry Valley	35	4,332,875	117,391	2,065,021	[3]*117,356*	2,267,854
Washington:						
Okanogan	12,936	2,143,285	19,386	689,530	[3]*6,450*	1,453,755
Yakima	310,263	18,868,080	640,529	10,249,926	[3]*330,266*	8,618,154
Yakima-Kittitas	2,715,525	4,862,138	5,005	37,054	2,710,520	4,825,084
Wyoming:						
Riverton	287,461	3,851,428	17,354	128,482	270,107	3,722,946
Shoshone	130,191	10,701,305	339,787	1,986,259	[3]*209,596*	8,718,046
Secondary	90,889	2,414,190	38,686	771,667	52,203	1,642,523
Denver office [4]	[3]*3,932*	214,519	1,694	185,341	[3]*5,626*	29,178
Field legal [4]	25	11,385	4	7,875	21	3,510
Washington office [4]	173,849	993,890	3,116	352,600	170,733	641,290
Adjustments surveys, subsection K		85,674				85,674
Economic investigations	5,556	15,283	9	9	5,547	15,274
Examination and inspection of projects	3,519	9,024	2,735	6,125	784	2,899
Attendance at meetings	508	852			508	852
Contingent expenses, Int. Dept.	[3]*1,890*	7,110	70	70	[3]*1,960*	7,040
Indian project [5]		2,997,829		2,997,829		
Civil-service retirement fund [6]		2,340				2,340
Drainage and cut-over		100,544				100,544
General investigations		246,301		26,103		220,198
Arid, semiarid, and swamp cut-over lands	8,338	35,461			8,338	35,461
Columbia Basin investigations	688	11,634			688	11,634
Colorado River front work and levee system	74,192	99,745			74,192	99,745

[1] Collections creditable to increase of compensation; Rio Grande Dam appropriation and Wind River Indian (Riverton); drainage and cut-over; general investigations, Reclamation Service, 1923–Dec. 31, 1924; arid, semiarid, swamp, and cut-over timberland; Colorado River front work and levee system; and Columbia Basin, are included in the expenditure column as contra.

[2] Includes sales of reclamation town sites. [3] Contra. [4] Net amounts not transferred to projects.

[5] Expended from reclamation fund and later reimbursed by congressional appropriation.

[6] Amounts transferred from reclamation fund less amount deducted from pay of employees.

Source: Bureau of Reclamation, Department of the Interior.

No. 565.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS, BY PROJECTS, 1928 [1]

NOTE.—See general note, p. 605. "Other lands served by Government works" are those usually furnished with a partial water supply through private canals under Warren Act contracts.

State and project	Lands in projects proper				Other lands served by Government works			
	Irrigable acreage [2]	Irrigated acreage	Cropped acreage	Crop value	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
				Dollars				*Dollars*
Grand total	1,882,930	1,442,080	1,489,240	81,077,750	1,490,735	1,235,020	1,192,030	62,495,320
Total with irrigation	1,882,930	1,442,080	1,385,560	80,238,800	1,490,735	1,235,020	1,192,030	62,495,320
Arizona: Salt River	245,940	[3] 245,940	219,970	26,082,055	68,170	61,000	61,000	6,547,130
Arizona-California:								
Yuma	63,700	53,700	53,100	4,331,705				
Yuma, auxiliary (Mesa)	2,445	1,040	480	75,350	230	220	140	32,840
California: Orlando	20,730	14,465	13,310	759,380				
Colorado:								
Grand Valley	30,400	14,960	13,340	552,715	18,400	13,400	13,000	1,802,000
Uncompahgre	75,650	60,820	60,750	2,265,100	1,650	1,550	1,545	38,070
Idaho:								
Boise	171,450	160,975	149,260	4,938,040	145,200	130,200	125,700	4,485,000
King Hill	8,000	6,525	6,230	176,620				
Minidoka	120,905	104,580	98,495	3,321,720	798,290	683,310	649,090	28,377,840
Gravity division	71,975	59,500	55,730	1,842,630				
Pumping division	48,930	45,080	42,765	1,479,090				
Montana:								
Huntley	32,500	20,800	21,800	698,430				
Milk River	72,455	15,830	15,820	211,195	43,950	22,360	22,360	473,190
Sun River	55,875	14,080	24,800	388,210				
Fort Shaw division	13,900	6,220	[4] 6,930	111,920				
Greenfields and Big Coulee division	41,975	7,860	[4] 17,870	276,290				
Montana-North Dakota:								
Lower Yellowstone	58,250	19,770	19,770	499,450				
Nebraska-Wyoming:								
North Platte	236,410	192,200	185,650	5,455,210	127,535	106,635	103,085	4,205,375
Pathfinder irrigation district	113,670	89,890	89,890	2,450,790				
Gering and Fort Laramie division	55,075	54,360	48,260	1,653,380				
Goshen irrigation district	51,490	36,200	36,200	1,115,080				
Northport division	16,175	11,780	11,240	235,960				
Nevada: Newlands	87,500	49,970	46,085	1,773,200				
New Mexico: Carlsbad	25,280	25,280	23,820	1,291,160				
New Mexico-Texas: Rio Grande	152,420	143,320	139,600	12,733,650	48,970	48,970	48,970	2,431,620
Oregon: Umatilla	18,730	11,395	11,040	242,740	590	520	495	18,325
Oregon-California:								
Klamath	53,560	46,530	45,450	1,270,300	63,630	35,705	35,515	557,730
Main division	41,550	36,730	36,610	1,041,590				
Tule Lake division	12,010	9,800	8,840	228,710				
South Dakota: Belle Fourche	74,500	35,910	46,700	1,173,370				
Utah: Strawberry Valley	41,805	39,395	38,850	1,202,115	7,400	7,010	6,990	184,000
Washington:								
Okanogan	7,150	4,150	3,600	1,092,725				
Yakima	133,635	115,935	103,140	8,242,930	166,720	124,140	124,140	13,342,200
Sunnyside division	102,520	88,835	80,890	5,467,160				
Tieton division	31,115	27,100	22,250	2,775,770				
Wyoming:								
Shoshone	73,640	43,830	42,980	954,760				
Garland division	41,650	35,030	34,300	792,090				
Frannie division	20,060	7,040	7,580	151,710				
Willwood division	11,930	1,160	1,100	10,960				
Riverton	20,000	580	520	6,670				
Total cropped without irrigation			103,680	838,950				
Milk River			19,100	191,390				
Sun River			12,970	193,140				
Lower Yellowstone			16,880	208,800				
Klamath			54,730	245,620				

[1] Data are for calendar year (irrigation season), except on Salt River project, where data are for corresponding "agricultural year" October, 1927, to September, 1928.

[2] Area for which bureau was prepared to supply water.

[3] Includes 20,000 acres reported as vacant, 2,414 acres of "home tracts," and 3,548 acres on which no crops were reported.

[4] Includes dry farm tracts irrespective of the figures given below under "cropped without irrigation."

Source: Bureau of Reclamation, Department of Interior.

No. 566.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE, PRODUCTIONS AND VALUE OF CROPS

[Acreage in thousands and value in thousands of dollars, except for individual crops]

Year	Government projects proper				Warren Act land			Entire area		
	Irrigable acreage	Irrigated acreage	Cropped acreage[1]	Crop value[1]	Irrigated acreage	Cropped acreage	Crop value	Irrigated acreage	Cropped acreage	Crop value
1916	1,405	923	858	32,816				923	858	32,816
1917	1,502	1,058	967	56,462				1,058	967	56,462
1918	1,602	1,142	1,051	66,821	501	482	35,000	1,643	1,533	101,821
1919	1,636	1,187	1,113	88,974	916	881	64,000	2,104	1,994	152,974
1920	1,662	1,224	1,154	66,172	982	951	47,506	2,205	2,105	113,678
1921	1,674	1,228	1,158	49,620	1,001	970	44,906	2,229	2,128	94,526
1922	1,693	1,202	1,169	50,361	983	951	33,241	2,185	2,120	83,602
1923	1,718	1,214	1,180	65,046	1,051	993	37,558	2,265	2,173	102,604
1924	1,806	1,291	1,217	66,489	931	890	43,238	2,222	2,106	109,726
1925	1,803	1,320	1,243	77,609	1,019	951	53,656	2,340	2,194	131,265
1926	1,845	1,411	1,362	60,665	1,097	950	49,750	2,508	2,311	110,415
1927	1,957	1,379	1,432	72,047	1,148	1,072	61,160	2,527	2,504	133,207
1928	1,883	1,442	1,439	81,078	1,235	1,192	62,495	2,677	2,631	143,573
1929	1,882	1,484	1,512	88,459	1,234	1,193	72,720	2,718	2,705	161,180

GOVERNMENT PROJECTS PROPER—INDIVIDUAL CROPS[1]

Crop	Acreage cropped		Production		Crop value		Yield per acre	
	1928	1929	1928	1929	1928	1929	1928	1929
			Bushels	*Bushels*	*Dollars*	*Dollars*	*Bushels*	*Bushels*
Total all crops[2]	1,489,240	1,512,250			81,077,750	88,459,390		
Cereals	339,308	319,280	9,857,673	9,654,010	7,578,430	7,236,744		
Barley	70,149	78,920	2,360,980	2,713,374	1,375,817	1,590,882	33.2	34.4
Corn	47,940	46,012	1,283,050	1,254,496	991,926	1,029,613	26.7	27.3
Oats	39,546	45,417	1,413,229	1,709,219	577,931	699,962	35.7	37.6
Rye	3,701	4,781	67,703	66,855	50,086	79,721	18.2	14.0
Wheat	178,470	144,160	4,762,711	3,910,036	4,571,620	3,836,566	26.7	27.1
Other seeds	45,295	43,692	178,935	232,817	1,786,179	1,345,544		
Alfalfa seed	20,348	20,601	87,312	136,328	755,911	774,103	4.2	6.6
Clover seed	23,825	19,702	82,285	70,502	1,012,903	502,194	3.4	3.6
Flaxseed	1,112	3,389	9,338	25,987	17,365	69,247	8.4	7.7
			Tons	*Tons*			*Tons*	*Tons*
Hay and forage	810,108	884,516	1,575,386	1,455,792	20,745,188	21,772,631		
Alfalfa hay	436,488	467,176	1,274,687	1,303,946	15,915,058	15,398,048	2.9	2.8
Clover hay	18,667	25,089	24,567	22,564	222,470	1,837,267	1.3	.9
Other hay	27,799	34,560	28,736	41,067	247,468	434,951	1.0	1.2
Corn fodder	5,120	4,852	10,546	13,714	81,188	110,143	2.0	2.8
Other forage	29,986	28,280	237,450	74,501	809,194	643,877	7.9	2.6
Pasture	292,046	324,259			3,469,810	3,298,345		
			Bushels	*Bushels*			*Bushels*	*Bushels*
Vegetables	131,454	126,598	11,816,054	9,854,312	13,294,111	19,325,976		
Beans	17,977	21,050	286,427	390,067	911,035	1,221,415	15.9	18.5
Onions	2,759	2,865	912,695	1,023,360	871,200	286,337	330.8	357.2
Potatoes, white	63,504	46,964	10,531,091	8,302,196	2,510,924	7,733,673	165.8	176.8
Potatoes, sweet	693	1,027	85,841	138,089	109,718	230,161	123.9	135.0
Truck	46,521	54,692			8,885,234	10,454,390		
			1,000 lbs.	*1,000 lbs.*			*Pounds*	*Pounds*
Fruits and nuts	50,043	53,641	499,473	413,983	9,073,831	12,108,695		
Apples	23,811	24,269	328,616	238,610	4,783,873	6,285,626	13,801	9,832
Peaches	3,118	3,512	21,005	22,354	405,191	576,602	6,736	6,365
Pears	5,431	6,095	44,477	49,343	799,386	1,723,441	8,189	8,096
Prunes	2,572	2,686	17,296	18,668	237,746	192,450	6,724	6,950
Citrus fruits	6,231	8,323	46,826	51,374	1,195,808	1,765,245	7,515	6,173
Small fruits	3,162	3,055	23,880	17,820	760,236	821,861	7,552	5,833
Miscellaneous	5,718	5,701	17,375	15,813	891,501	743,460	3,038	2,774
Miscellaneous	400,177	409,496			28,602,011	26,069,810		
Cotton	220,560	271,282	96,740	86,806	22,450,340	18,705,391	421.4	320.2
Cottonseed			179,673	158,662			782.7	584.9
			Tons	*Tons*			*Tons*	*Tons*
Sugar beets	71,250	84,183	778,365	956,719	5,592,982	6,850,733	10.9	11.4
Cane	931	1,069	2,659	2,862	28,990	32,631	2.8	2.7
Other crops	98,436	52,962			529,699	481,055		
Duplication	287,631	324,983						

[1] *Figures include nonirrigated crops grown on projects (1928—acreage, 103,680; crop value, $638,960: 1929—acreage, 92,180; crop value, $899,720).*

[2] Data for Strawberry Valley project (acreage, 12,980, value of crops, $405,980) included in totals for 1928 but not in individual crops, as this project failed to send in the crop census in 1928.

Source: Bureau of Reclamation, Department of the Interior.

No. 567.—GOVERNMENT IRRIGATION PROJECTS: SUMMARY OF CONSTRUCTION WORK

Item	Fiscal year 1929	To June 30, 1929	Item	Fiscal year 1929	To June 30, 1929
Reservoir capacity available (original)—acre-feet	52,440	12,881,963	Culverts—number	522	14,043
Canals, ditches, and drains, total length—miles	192.3	16,557.4	Lengths—feet	25,617	535,396
Canals, total—do	62.1	13,097.8	Pipe, length—do	159,786	4,091,096
Second-feet capacity—			Flumes—number	118	4,811
Over 800—miles	18.3	594.8	Length—feet	10,093	853,022
301 to 800—do	13.3	729.1	Canals, lined, length:		
50 to 300—do	10.5	2,334.8	Concrete—miles	14.6	485.4
Less than 50—do	20.0	9,469.1	Wood—do		4.1
Waste-water ditches—miles	22.8	1,084.0	Buildings—number	2	1,680
Drains, open—do	104.0	2,146.4	Wells—do	4	692
Drains, closed—do	3.4	229.2	Depth—feet	562	73,415
			Roads—miles	113.9	1,208.4
Tunnels—number	4	122	Railroads—do	22.4	110.3
Length—feet	11,453	175,536	Telephone lines—do		3,350.3
Storage and diversion dams, total—cubic yards	509,266	21,392,575	Transmission lines—do	141.1	2,056.0
Masonry—do	97,637	2,813,740	Power developed, water and steam—horsepower	25	166,128
Earth—do	366,126	16,458,599	Excavation, total—cubic yards	9,996,368	276,822,500
Rock fill and crib—do	45,503	2,120,236	Class 1, earth—do	7,699,949	248,365,612
Dikes and levees:			Class 2, indurated material—cubic yards	1,478,679	15,961,312
Length—feet	36,559	1,285,691	Class 3, rock—do	817,740	12,495,576
Volume—cubic yards	148,396	6,865,765			
Canal structures:			Riprap laid—do	7,387	2,522,787
Concrete—number	970	56,848	Paving laid—square yards	11,334	1,080,328
Wood—do	1,228	91,614	Concrete laid—cubic yards	179,753	4,191,553
Bridges—do	299	11,631	Cement used—barrels	235,023	4,664,450
Length—feet	7,929	277,449	Granite—square yards	143,228	898,096

Source: Bureau of Reclamation, Department of the Interior.

No. 568.—IRRIGATION: SUMMARY FOR THE UNITED STATES, 1910 AND 1920

NOTE.—See general note, p. 605. Tables 568 to 572 relate to systematic irrigation enterprises and do not cover small irrigation work by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover all States which have irrigation enterprises

Item	Census of—		Increase [1]	
	1910	1920	Amount	Per cent
Number of all farms in 19 States included	1,776,046	1,916,391	140,345	7.9
Approximate land area of States included—acres	1,224,063,360	1,223,989,120	[2] −74,240	([3])
All land in farms in States included—do	416,462,547	505,440,954	88,978,407	21.4
Improved land in farms in States included—do	186,786,227	214,689,819	27,903,592	14.9
Number of farms irrigated	162,723	231,541	68,818	42.3
Area irrigated [4]—acres	14,433,285	19,191,716	4,758,431	33.0
Area enterprises were capable of irrigating—do	20,285,403	26,020,477	5,735,074	28.3
Area included in enterprises—do	32,245,464	35,890,821	3,645,357	11.3
Per cent irrigated:				
Number of all farms	9.2	12.1	2.9	------
Approximate land area	1.2	1.6	.4	------
Land in farms	3.5	3.8	.3	------
Improved land in farms	7.7	8.9	1.2	------
Excess of area enterprises were capable of irrigating over area irrigated—acres	5,852,118	6,828,761	976,643	16.7
Excess of area included in enterprises over area irrigated—acres	17,812,179	16,699,105	−1,113,074	−6.2
Area of irrigated land reported as available for settlement—acres	([5])	2,257,981	----------	------
Capital invested—dollars	321,454,008	697,657,328	376,203,320	117.0
Average per acre enterprises were capable of irrigating—dollars	15.85	26.81	10.96	69.1
Estimated final cost of existing enterprises—do	437,948,825	819,778,005	381,829,180	87.2
Average per acre included in enterprises—do	13.58	22.84	9.26	68.2

[1] A minus sign (−) denotes decrease.
[2] Decrease due to the building of several reservoirs in connection with irrigation projects.
[3] Less than one-tenth of 1 per cent decrease.
[4] Figures are for 1909 and 1919, respectively.
[5] Not reported in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 569.—IRRIGATION: Acreage and Capital Invested, by Character of Enterprise, 1910 and 1920

NOTE.—See headnote, Table 568

Item and class	Area irrigated (acres)		Area enterprises were capable of irrigating (acres)		Area included in enterprises (acres)		Capital invested (thousands of dollars), 1920
	1909	1919	1910	1920	1910	1920	
Total	14,433,285	19,191,716	20,285,403	26,020,477	32,245,464	35,890,821	697,657
Individual and partnership	6,594,614	6,848,807	8,086,756	9,255,756	10,621,067	13,008,415	154,634
Cooperative	4,643,539	6,581,400	6,191,577	8,403,298	8,830,197	10,628,543	183,042
Irrigation district	528,642	1,822,887	800,451	2,531,425	1,581,405	3,432,109	88,574
Carey Act	288,553	523,929	1,059,677	804,298	2,573,874	1,188,937	32,681
Commercial	1,809,379	1,822,001	2,954,166	2,799,563	5,786,777	3,999,581	85,735
United States Reclamation Service	395,646	1,254,569	786,190	1,680,643	1,973,016	2,627,176	129,510
United States Indian Service	172,912	284,551	376,576	484,486	879,068	932,985	14,851
State	(1)	5,020	(1)	7,379	(1)	9,581	344
City	(1)	40,146	(1)	44,458	(1)	49,650	2,037
Other and mixed	(1)	7,236	(1)	8,546	(1)	13,144	5,310
Not reported	(1)	570	(1)	625	(1)	700	40

[1] Not included in classification in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 570.—IRRIGATION: Acreage and Capital Invested, by Drainage Basins, 1902 and 1920

NOTE.—See headnote, Table 568

Drainage basin	Area irrigated (acres)		Area enterprises were capable of irrigating, 1920 (acres)	Area included in enterprises in 1920 (acres)	Capital invested (thousands of dollars)	
	1902	1919			1902	1920
Total	8,874,408	19,191,716	26,020,477	35,890,821	82,532	697,657
Missouri River and tributaries	2,533,237	4,147,278	5,805,630	8,483,171	16,176	131,553
Mississippi River and tributaries other than Missouri River	393,687	958,493	1,152,261	1,543,064	4,620	35,184
Gulf of Mexico streams other than Mississippi River and Rio Grande	21,833	698,077	1,157,529	1,602,169	501	29,440
Rio Grande and tributaries	496,587	1,203,863	1,887,433	2,594,127	6,367	34,173
Independent streams in Rio Grande drainage basin	8,355	18,992	26,852	34,026	127	651
Colorado River and tributaries	927,183	2,312,047	2,986,937	4,064,492	11,299	86,697
White Water Draw and tributaries	384	5,871	9,950	16,623	7	299
Great Basin	1,639,473	2,313,163	2,869,858	4,238,028	10,890	66,589
Columbia River and tributaries	1,297,437	3,873,245	4,968,518	6,336,801	10,851	145,672
Pacific Ocean streams other than Columbia and Colorado Rivers	1,556,232	3,570,687	5,155,509	6,978,320	21,694	167,398

Source: Bureau of the Census, Department of Commerce.

No. 571.—IRRIGATION: Area in Irrigation Enterprises, Capital Invested, and Cost of Operation and Maintenance, 1910 and 1920, by States

Note.—See headnote, Table 568.

State	Area included in enterprises (acres)			Area enterprises were capable of irrigating (acres)			Area irrigated (acres)		
	1910	1920	Per cent of increase[1]	1910	1920	Per cent of increase[1]	1909	1919	Per cent of increase[1]
Total	32,245,464	35,890,821	11.3	20,285,403	26,020,477	28.3	14,433,285	19,191,716	33.0
Arizona	944,090	813,153	−13.9	387,655	627,303	61.8	320,051	467,565	46.1
Arkansas	52,883	246,480	366.1	47,136	179,013	279.8	27,753	143,946	418.7
California	5,490,360	7,805,207	42.2	3,619,378	5,894,466	62.9	2,664,104	4,219,040	58.4
Colorado	5,917,457	5,220,588	−11.8	3,990,166	3,855,348	−3.4	2,792,032	3,348,385	19.9
Idaho	3,549,573	3,780,048	6.5	2,388,959	3,092,810	29.5	1,430,848	2,488,806	73.9
Kansas	161,300	102,562	−36.4	139,995	67,853	−51.5	37,479	47,312	26.2
Louisiana	581,965	851,211	46.3	553,220	728,742	31.7	380,200	454,832	19.6
Montana	3,515,602	4,329,148	23.1	2,205,155	2,753,498	24.9	1,679,084	1,681,729	.2
Nebraska	680,133	766,768	12.7	429,225	562,468	31.0	255,950	442,690	73.0
Nevada	1,232,142	1,382,036	12.2	840,962	704,708	−16.2	701,833	561,447	−20.0
New Mexico	1,102,297	961,879	−12.7	644,970	696,119	7.9	461,718	538,377	16.6
North Dakota	38,173	57,476	50.6	21,917	34,235	56.2	10,248	12,072	17.8
Oklahoma	8,528	11,742	37.7	6,397	9,672	51.2	4,388	2,969	−32.3
Oregon	2,527,208	1,925,987	−23.8	830,526	1,344,046	61.8	686,129	986,162	43.7
South Dakota	201,625	188,382	−6.6	128,481	150,914	17.5	63,248	100,682	59.2
Texas	1,253,173	1,687,447	34.7	690,991	1,150,542	66.5	451,130	586,120	29.9
Utah	1,947,625	2,359,244	21.1	1,250,216	1,700,550	36.0	999,410	1,371,651	37.2
Washington	817,032	836,795	2.4	470,514	637,151	35.4	334,378	529,899	58.5
Wyoming	2,224,298	2,564,668	15.3	1,639,510	1,831,039	11.7	1,133,302	1,207,982	6.6

State	Capital invested (dollars)				Estimated final cost (dollars)				Average cost of operation and maintenance per acre (dollars)[2,3]	
	Amount		Average per acre		Amount		Average per acre			
	1910	1920	1910	1920	1910	1920	1910	1920	1909	1919
Total	321,454,008	697,657,325	15.85	26.81	437,948,525	819,778,005	13.58	22.84	1.07	2.43
Arizona	17,677,966	33,498,094	45.60	53.40	24,828,868	34,015,064	26.30	42.57	0.93	3.27
Arkansas	587,334	7,183,322	12.47	40.13	612,834	7,283,522	11.59	29.55	(4)	13.67
California	72,580,030	194,886,388	20.05	33.06	84,392,344	225,799,123	15.37	28.93	1.54	4.40
Colorado	56,636,443	88,302,442	14.19	22.90	76,443,239	95,198,423	12.92	18.24	.75	.87
Idaho	40,977,688	91,501,009	17.15	29.59	58,451,106	97,019,717	16.47	25.67	.63	1.17
Kansas	1,365,563	2,067,381	9.75	30.47	1,365,563	2,195,981	8.47	21.41	1.59	3.29
Louisiana	6,859,166	14,063,181	12.40	19.30	6,914,166	14,264,178	11.88	16.76	(4)	7.01
Montana	22,970,958	52,143,363	10.42	18.94	32,382,077	70,079,028	9.21	16.19	.89	1.26
Nebraska	7,798,310	13,909,185	18.17	24.73	9,485,231	18,030,154	13.95	23.51	1.09	1.48
Nevada	6,721,924	14,754,280	7.99	20.94	12,188,756	22,648,747	9.89	16.39	.97	.79
New Mexico	9,154,897	18,210,412	14.19	26.16	11,640,091	20,440,646	10.56	21.25	1.36	2.41
North Dakota	836,482	1,857,118	38.17	54.25	836,482	2,072,766	21.91	36.00	28.40	5.50
Oklahoma	47,200	151,325	7.38	15.65	47,200	162,775	5.53	13.86	.51	2.92
Oregon	12,760,214	28,929,151	15.36	21.52	39,216,619	41,585,742	15.52	21.59	.75	1.19
South Dakota	3,043,140	5,465,248	23.69	36.21	3,800,556	5,500,748	18.85	29.20	.64	1.26
Texas	13,487,347	35,072,739	19.52	30.48	14,754,172	39,860,871	11.77	23.62	3.25	6.92
Utah	14,028,717	32,037,351	11.22	18.84	17,840,775	33,835,641	9.16	14.34	.65	1.08
Washington	16,219,149	29,299,011	34.47	45.98	22,322,856	37,684,591	27.32	45.03	3.08	1.45
Wyoming	17,700,980	34,326,328	10.80	18.75	20,425,890	51,500,288	9.18	20.08	.86	3.04

[1] A minus sign (−) denotes decrease.
[2] Figures for 1909 do not include cost of operation and maintenance for rice-growing districts in Gulf States; consequently, figures for 1909 and 1919 are not comparable.
[3] When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.
[4] Not reported in 1909.

Source: Bureau of the Census, Department of Commerce.

No. 572.—IRRIGATION: Crops Grown on Irrigated Land, 1919

NOTE.—See headnotes, Tables 568 and 573. The figures given are probably incomplete but are fairly indicative of the relative importance of different crops on irrigated land and of the average yields and values per acre. For comparison the average yields per acre on nonirrigated land *in the States having irrigation projects* (not for the entire country) are shown

Crop	Area harvested (acres)	Quantity harvested		Average yield per acre in States having irrigation enterprises		Value (dollars)	
		Unit	Amount	On irrigated land	On nonirrigated land	Amount	Average per acre
Cereals:							
Corn	263,312	Bushel	7,525,354	28.6	21.8	11,692,813	44.41
Oats	325,523	do	9,361,125	28.8	26.5	9,534,495	29.29
Winter wheat	381,127	do	7,115,303	18.7	14.1	15,269,840	40.06
Spring wheat	877,411	do	17,679,328	20.1	7.6	37,566,853	42.80
Barley	280,287	do	7,202,430	25.7	17.3	10,775,076	38.44
Rye	19,014	do	168,977	8.9	7.4	295,987	15.57
Kafir, milo, etc	152,768	do	4,100,338	26.8	19.6	6,725,561	44.02
Rice (rough) [1]	892,761	do	35,032,275	39.2	4.1	96,368,090	107.94
Other grains and seeds:							
Clover and alfalfa seed [2]	39,431	do	161,587	4.1	1.4	3,461,762	87.79
Dry beans, navy, etc	177,752	do	2,862,567	16.1	10.3	12,986,298	73.06
Dry peas, Canada	51,464	do	637,560	12.4	10.0	2,042,455	39.69
Hay and forage:							
Timothy alone	140,607	Ton	178,112	1.27	1.09	4,582,905	32.59
Timothy and clover mixed	392,260	do	560,591	1.45	1.50	13,782,635	35.14
Clover alone	40,879	do	63,465	1.55	1.56	1,334,600	32.65
Alfalfa	3,151,675	do	8,430,766	2.68	1.84	186,391,209	59.14
Other tame grasses	254,313	do	316,803	1.25	1.32	6,473,377	25.45
Wild, salt, or prairie grasses	1,034,507	do	951,345	.92	.82	17,954,630	17.36
Small grains cut for hay	291,697	do	372,739	1.28	.92	8,448,991	28.96
Annual legumes cut for hay	19,851	do	28,334	1.43	1.20	494,052	24.89
Silage crops	56,424	do	385,830	6.89	4.54	3,831,525	67.91
Corn cut for forage	36,689	do	87,389	2.38	1.51	1,121,730	30.57
Kafir, sorghum, etc., for forage	51,981	do	106,035	2.04	1.68	1,614,325	31.06
Root crops for forage	2,631	do	19,543	7.43	11.11	340,329	129.35
Vegetables:							
Potatoes	154,194	Bushel	22,978,739	149.0	64.9	50,778,993	329.32
Cantaloupes and muskmelons	20,874					3,853,037	184.59
Tomatoes	20,649					2,701,968	130.85
Orchard fruits:							
Grapes	[3] 73,675,084	Pound	1,131,279,429	[4] 15.4	[4] 11.3	36,304,252	
Apples	[5] 9,085,326	Bushel	22,406,306	[6] 2.5	[6] 1.7	24,566,584	
Peaches	[5] 7,062,692	do	13,224,500	[6] 1.9	[6] 1.2	24,670,264	
Pears	[5] 1,849,429	do	3,479,806	[6] 1.9	[6] 1.4	4,695,848	
Plums and prunes	[5] 4,306,970	do	7,074,240	[6] 1.6	[6] 1.0	15,188,496	
Cherries	[5] 667,907	do	578,354	[6] .9	[6] .6	2,139,891	
Subtropical fruits:							
Oranges	[5] 8,711,152	Box	18,774,366	[6] 2.2	[6] 1.8	58,244,422	
Lemons	[5] 2,299,716	do	5,776,149	[6] 2.5	[6] 1.3	16,750,832	
Miscellaneous:							
Sugar beets grown for sugar	377,655	Ton	3,567,522	9.45	8.38	38,831,339	102.82
Cotton	214,576	Bale	113,362	.53	.28	30,457,881	141.94

[1] Quantity harvested and value given for irrigated land were not tabulated separately. The *totals* given include small amounts of rice grown without irrigation.
[2] Not including red clover seed.
[3] Number of vines of bearing age.
[4] Yield per vine.
[5] Number of trees of bearing age.
[6] Yield per tree.

Source: Bureau of the Census, Department of Commerce.

No. 573.—IRRIGATION: ACREAGE AND VALUE OF CROPS GROWN ON IRRIGATED LAND, 1919

NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises, as in the case of Table 572. It is believed that the returns are incomplete, some crops actually grown on irrigated land not having been distinguished as such. In the tabulation for each State crops of which the aggregate area in the State was reported as less than 500 acres were omitted, but these form such a small part of the total as to be negligible

State	Acreage	Value (dollars)		State	Acreage	Value (dollars)	
		Amount	Average per acre			Amount	Average per acre
Total	10,482,853	801,065,326	76.41	Nevada	331,177	12,390,593	37.41
				New Mexico	233,893	11,400,144	48.74
Arizona	333,616	34,190,780	102.49	North Dakota	25,280	267,148	10.57
Arkansas	143,946	18,352,240	127.49	Oklahoma	(1)		
California	2,329,052	319,208,503	137.06	Oregon	274,584	12,294,191	44.77
Colorado	1,946,676	100,215,136	51.48	South Dakota	67,021	2,403,543	35.86
Idaho	1,203,270	76,830,746	63.85	Texas	295,353	22,343,976	75.65
Kansas	28,502	842,161	29.55	Utah	843,210	50,114,342	59.43
Louisiana	454,882	42,735,849	93.95	Washington	395,196	39,801,619	100.71
Montana	867,226	30,382,074	35.03	Wyoming	509,945	15,683,997	30.76
Nebraska	199,815	11,547,679	57.79				

[1] No one crop reported with as much as 500 acres.

Source: Bureau of the Census, Department of Commerce.

No. 574.—DRAINAGE OF FARM LANDS AND DRAINAGE OF OPERATING ENTERPRISES IN THE UNITED STATES, 1920

NOTE.—The statistics of drainage on farms in the first part of this table and the statistics of drainage enterprises in the second part are from wholly different sources and are not comparable. The former are from schedules of individual farmers and the latter from a special canvass of organized drainage enterprises. The farm may have artificial drainage without being connected with any general enterprise. Conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. The statements of farmers as to additional land needing drainage are likely to be less precise than those as to area actually drained artificially. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 500 acres or more drained by individual farm owners. The enterprises in some States include considerable areas of timber and other unimproved land not in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama, Virginia, or West Virginia

Item	Amount	Per cent of total	Item	Amount	Per cent of total
DRAINAGE ON FARMS			DRAINAGE ENTERPRISES		
Number of all farms in the United States	6,448,343	100.0	Approximate land area of States included—acres	1,717,932,160	100.0
Farms reporting land having drainage	924,815	14.3	All land in operating drainage enterprises—acres	65,495,038	3.8
Farms reporting land needing drainage	956,095	14.8	Improved land—do	44,288,235	2.6
Farms reporting both land provided with drainage and land needing drainage	402,023	6.2	Timber and cut-over land—acres	11,283,532	.7
All land in farms—acres	955,883,715	100.0	Other unimproved land—acres	9,923,271	.6
Improved land in farms—acres	503,073,007	52.6	Total capital invested in and required for completion of operating enterprises—dollars	434,594,979	100.0
Farm land reported as provided with drainage—acres	53,024,976	5.5	Capital invested in these enterprises to Dec. 31, 1919—dollars	372,273,567	85.7
Farm land reported as needing drainage—acres	39,169,639	4.1	Additional capital required to complete these enterprises—dollars	62,321,412	14.3

Source: Bureau of the Census, Department of Commerce.

No. 575.—DRAINAGE ENTERPRISES CLASSIFIED BY CHARACTER OF ORGANIZATION: 1920

NOTE.—See headnote, Table 574

Character of enterprise	Operating enterprises			Nonoperating enterprises		
	Land in enterprises (acres) [1]	Capital (dollars)		Land in enterprises (acres) [1]	Capital (dollars)	
		Invested to Dec. 31, 1919	Additional required to complete		Invested to Dec. 31, 1919	Additional required to complete
Total	65, 495, 038	372, 273, 567	62, 321, 412	3, 924, 821	1, 123, 458	34, 937, 678
Drainage districts	22, 069, 597	172, 013, 972	39, 136, 508	3, 260, 104	772, 834	26, 339, 970
General State laws	20, 239, 956	147, 511, 259	24, 593, 523	2, 667, 056	752, 830	25, 073, 970
Special acts	1, 829, 641	24, 502, 713	14, 543, 045	593, 048	20, 004	1, 266, 000
County drains	37, 870, 803	169, 743, 093	9, 082, 477	596, 694	302, 224	8, 139, 808
Township drains	195, 133	574, 963	4, 500	423		2, 400
State drainage projects	1, 422, 844	6, 845, 429	6, 434, 440			
United States Reclamation Service	287, 899	3, 912, 370	2, 530, 243	7, 000		150, 000
Irrigation districts	175, 200	1, 459, 714	2, 553, 829			
Commercial developments	212, 421	3, 279, 829	1, 128, 000	50, 000	45, 000	150, 000
Individual ownership	432, 397	6, 449, 252	841, 750	10, 600	3, 400	155, 500
Character not precisely reported [2]	2, 828, 744	7, 994, 945	9, 605			

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.
[2] All except 35,062 acres and $218,951 invested to Dec. 31, 1919, relate to either drainage districts or county drains in Indiana.

Source: Bureau of the Census, Department of Commerce.

No. 576.—DRAINAGE OF OPERATING ENTERPRISES CLASSIFIED BY DATE OF ORGANIZATION: 1920

NOTE.—See headnote, Table 574

Date of organization	Land		Capital (dollars)		Cost per acre assessed acreage (dollars)
	Area in enterprises (acres) [1]	Assessed acreage [2]	Invested to Dec. 31, 1919	Additional required to complete	
Total	65, 495, 038	95, 629, 291	372, 273, 567	62, 321, 412	4. 54
Before 1860	97, 319	98, 119	182, 716		1. 86
1860 to 1869	783, 357	932, 565	1, 689, 852		1. 81
1870 to 1879	2, 077, 717	3, 413, 277	8, 126, 391		2. 38
1880 to 1889	5, 424, 294	8, 843, 654	23, 934, 330	1, 840, 829	2. 91
1890 to 1899	6, 026, 037	11, 575, 924	24, 498, 861	521, 310	2. 16
1900 to 1904	7, 606, 753	12, 200, 468	26, 706, 464	709, 063	2. 25
1905 to 1909	14, 530, 397	20, 228, 636	76, 072, 320	7, 612, 491	4. 14
1910 to 1914	17, 344, 098	22, 245, 539	120, 269, 596	14, 455, 410	0. 19
1915 to 1919	11, 374, 619	15, 828, 501	87, 379, 002	36, 771, 650	7. 84
Not reported	229, 547	262, 608	3, 414, 035	410, 659	14. 56

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.
[2] These figures represent the sums of the areas in all the enterprises, without deducting for overlapping.

Source: Bureau of the Census, Department of Commerce.

No. 577.—DRAINAGE OF FARM LANDS AND DRAINAGE OF OPERATING ENTERPRISES: BY DIVISIONS AND STATES, 1920

NOTE.—See headnote, Table 574, especially as regards the difference in the basis of the first four columns as compared with the last four columns and as to areas not covered by statistics of enterprises

Division and State	Farm lands				Organized and operating drainage enterprises			
	With artificial drainage		Additional land (acres) needing—				Capital invested (thousands of dollars)	
	Acreage	Per cent of all improved land	Drainage only	Drainage and clearing	Total acreage included [1]	Improved acreage [1]	Invested to Dec. 31, 1919	Additional required to complete
United States	53,024,975	10.5	10,459,181	28,710,458	65,495,038	44,238,235	372,274	62,321
New England	129,799	2.1	86,991	310,276				
Maine	26,302	1.3	19,930	122,123				
New Hampshire	11,777	1.7	9,914	30,869				
Vermont	35,649	2.1	19,265	49,647				
Massachusetts	39,022	4.3	21,212	59,671				
Rhode Island	2,403	1.8	2,240	5,934				
Connecticut	14,646	2.1	14,430	42,032				
Middle Atlantic	1,673,638	6.3	505,910	906,128				
New York	1,180,423	9.0	318,805	460,602				
New Jersey	174,260	11.2	29,193	48,688				
Pennsylvania	318,955	2.7	157,852	396,838				
East North Central	30,737,056	35.0	3,243,427	5,626,929	31,627,176	25,282,065	134,270	9,453
Ohio	7,365,532	39.7	856,557	1,128,332	8,107,204	6,707,328	30,680	91
Indiana	8,308,344	49.8	673,952	1,043,116	9,087,183	7,605,565	31,148	796
Illinois	11,247,637	41.2	641,493	587,246	9,909,049	8,532,316	43,595	7,798
Michigan	3,156,632	24.4	579,813	1,490,574	9,729,171	7,182,352	24,684	365
Wisconsin	658,411	5.3	461,612	1,377,661	794,569	254,504	4,163	402
West North Central	11,758,939	6.9	4,187,385	3,073,154	19,217,367	11,630,270	121,562	11,633
Minnesota	2,993,034	13.9	1,801,457	1,703,117	9,232,709	3,818,490	42,017	2,166
Iowa	7,334,404	25.6	1,661,744	391,198	5,224,478	4,493,407	49,627	4,543
Missouri	859,663	3.5	163,178	667,515	2,596,204	1,474,302	20,723	4,027
North Dakota	80,054	.04	53,161	158,144	1,240,328	1,026,574	2,208	53
South Dakota	161,371	.09	356,049	90,866	222,062	178,540	1,461	272
Nebraska	214,428	.09	115,425	30,393	607,730	551,517	4,589	298
Kansas	106,985	.03	36,371	31,921	93,856	87,449	937	274
South Atlantic	2,365,072	5.9	696,687	6,814,543	2,385,384	388,345	18,847	14,476
Delaware	185,831	28.5	7,967	61,002				
Maryland	249,799	8.0	33,267	151,553				
Dist. of Columbia	197	4.6	53	57				
Virginia	225,068	2.4	77,192	1,095,388				
West Virginia	38,464	.7	32,253	278,615				
North Carolina	1,066,933	13.0	189,401	1,735,942	542,828	204,928	3,624	903
South Carolina	676,152	10.9	125,548	1,216,355	140,031	59,075	582	354
Georgia	274,688	2.1	143,187	1,676,424	65,452	29,753	795	304
Florida	147,940	6.4	87,814	599,207	1,637,073	94,589	13,847	12,916
East South Central	1,720,517	3.9	462,040	3,817,928	2,323,595	1,349,791	11,524	2,306
Kentucky	225,223	1.6	84,189	489,110	358,480	245,334	1,522	299
Tennessee	254,118	2.3	76,644	563,835	363,671	163,218	2,926	522
Alabama	415,293	4.2	150,028	1,460,628				
Mississippi	825,878	8.9	151,179	1,304,355	1,601,444	941,239	7,076	1,485
West South Central	2,365,701	3.7	734,305	6,400,267	7,924,197	3,877,166	28,946	13,411
Arkansas	497,489	5.4	129,987	1,512,416	3,479,591	1,491,777	14,147	11,741
Louisiana	1,004,935	17.9	179,305	916,464	2,266,328	1,269,391	9,022	969
Oklahoma	107,014	.06	39,788	225,998	12,150	8,845	76	1
Texas	756,263	2.4	385,225	3,745,389	2,166,128	1,107,153	5,701	700
Mountain	456,015	1.5	329,359	640,589	810,076	635,868	7,940	4,689
Montana	51,146	.05	36,342	76,951	108,682	141,252	665	181
Idaho	64,648	1.4	37,566	162,308	64,642	52,098	1,669	120
Wyoming	35,654	1.7	23,837	45,229	95,474	84,840	1,176	491
Colorado	127,037	1.6	80,121	190,876	171,656	123,031	1,082	203
New Mexico	47,311	2.8	29,016	20,086	140,219	92,477	1,711	1,196
Arizona	9,651	1.4	9,596	32,355	39,640	36,880	414	612
Utah	74,316	4.3	74,786	91,140	113,823	97,314	1,005	1,865
Nevada	46,252	7.8	38,095	21,644	15,940	7,970	118	
Pacific	1,818,238	5.5	213,077	1,120,644	1,207,243	1,124,721	49,285	8,373
Washington	274,096	3.9	45,206	530,799	94,924	81,886	1,397	39
Oregon	229,582	4.7	75,063	396,333	4,000	4,000	200	
California	813,960	6.9	92,808	193,512	1,108,319	1,038,835	47,687	8,334

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

Source: Bureau of the Census, Department of Commerce.

25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

No. 578.—POPULATION, FARMS, AND FARM PROPERTY

NOTE.—The schedule for 1925 did not call for "improved land." The combined total for "crop land," 391,459,902 acres, and "plowable pasture land," 113,567,498 acres, aggregating 505,027,400 acres, corresponds in a rough way to the definition of "improved land" at previous censuses. Figures for 1920 and 1925 relate to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1

Item	1850	1880	1890	1900	1910	1920	1925
Total population	23,191,876	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620	[1]115,378,000
Urban		14,358,167	22,298,359	30,380,433	42,166,120	54,304,603	[1] 62,766,000
Rural[2]		35,797,616	40,649,355	45,614,142	49,806,146	51,406,017	[1] 52,612,000
Per cent of total		71.4	64.6	60.0	54.2	48.6	45.6
Farm population[3]						31,614,269	28,981,668
Per cent of total						29.9	25.1
Per cent of rural						61.5	55.1
Number of farms	1,449,073	4,008,907	4,564,641	5,737,372	6,361,502	6,448,343	6,371,640
Acreage in thousands—							
Approximate land area of United States	1,884,376	1,903,338	1,903,338	1,903,462	1,903,290	1,903,215	1,903,217
All lands in farms	293,561	536,082	623,219	838,592	878,798	955,884	924,319
Improved land	113,033	284,771	357,617	414,498	478,452	503,073	(4)
Unimproved land	180,528	251,311	265,602	424,093	400,347	452,811	(4)
Per cent of total land area represented by all land in farms	15.6	28.2	32.7	44.1	46.2	50.2	48.6
Improved farm land	6.0	15.0	18.8	21.8	25.1	26.4	(4)
Unimproved farm land	9.6	13.2	14.0	22.3	21.0	23.8	(4)
Average acreage per farm, all land	202.6	133.7	136.5	146.2	138.1	148.2	145.1
Inhabitants per 1,000 acres of improved farm land	205	176	176	183	192	210	(4)
Value of all farm property (thousands of dollars)	3,967,344	12,180,502	16,082,208	20,439,901	40,991,449	77,923,652	57,017,740
Land and buildings	3,271,575	10,197,097	13,279,253	16,614,647	34,801,126	66,316,003	49,467,647
Land[5]				13,058,008	28,475,674	54,829,563	37,721,018
Buildings				3,556,639	6,325,452	11,486,440	11,746,629
Implements and machinery	151,588	406,520	494,247	749,776	1,265,150	3,594,773	2,691,704
Livestock	544,181	1,576,885	2,308,768	3,075,478	4,925,174	8,012,876	4,858,389
Per cent of value of all farm property represented by—							
Land and buildings	82.5	83.7	82.6	81.3	84.9	85.1	86.8
Land				63.9	69.5	70.4	66.2
Buildings				17.4	15.4	14.7	20.6
Implements and machinery	3.8	3.3	3.1	3.7	3.1	4.6	4.7
Livestock	13.7	12.9	14.4	15.0	12.0	10.3	8.5
Average value of all farm property per farm (dollars)	2,738	3,038	3,523	3,563	6,444	12,084	8,949
Land and buildings	2,258	2,544	2,909	2,896	5,471	10,284	7,764
Land				2,276	4,476	8,503	5,920
Buildings				620	994	1,781	1,844
Implements and machinery	105	101	108	131	199	557	422
Livestock	376	393	506	536	774	1,243	763
Average value of all farm property per acre (dollars)	13.51	22.72	25.81	24.37	46.64	81.52	61.69
Land and buildings	11.14	19.02	21.31	19.81	39.60	69.38	53.52
Land				15.57	32.40	57.36	40.81
Buildings				4.24	7.20	12.02	12.71
Implements and machinery	.52	.76	.79	.89	1.44	3.76	2.91
Livestock	1.85	2.94	3.70	3.67	5.60	8.38	5.26

[1] Estimated.

[2] Population residing outside of incorporated places having 2,500 inhabitants or more, or in Massachusetts, Rhode Island, and New Hampshire, outside of towns having 2,500 inhabitants or more.

[3] The 1925 farm population includes only persons living on farms; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.

[4] See headnote.

[5] These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

Source: Bureau of the Census, Department of Commerce.

No. 579.—FARM POPULATION AND TOTAL POPULATION: BY STATES

Division and State	Total population		Farm population[1]			
					Per cent of total population	
	1920	1925 (estimated)	1920	1925	1920	1925
United States	105,710,620	115,378,000	31,614,269	28,981,668	29.9	25.1
New England	7,400,909	7,987,000	635,877	657,755	8.5	8.2
Maine	768,014	787,000	197,601	191,062	25.7	24.3
New Hampshire	443,083	452,000	76,021	77,450	17.2	17.1
Vermont	352,428	[2] 352,428	125,263	114,188	35.5	32.4
Massachusetts	3,852,356	[3] 4,144,205	118,554	149,238	3.1	3.6
Rhode Island	604,397	[3] 679,260	15,136	18,663	2.5	2.7
Connecticut	1,380,631	1,572,000	93,302	107,154	6.8	6.8
Middle Atlantic	22,261,144	24,238,000	1,899,789	1,817,602	8.5	7.5
New York	10,385,227	[3] 11,162,151	800,747	767,500	7.7	6.9
New Jersey	3,155,900	3,600,000	143,708	130,255	4.6	3.9
Pennsylvania	8,720,017	9,476,000	948,334	910,847	10.9	9.6
East North Central	21,475,543	23,787,000	4,913,633	4,511,148	22.9	19.0
Ohio	5,759,394	6,470,000	1,139,329	1,031,718	19.8	15.9
Indiana	2,930,390	3,095,000	907,205	798,157	31.0	25.8
Illinois	6,485,280	7,092,000	1,098,262	996,368	16.9	14.0
Michigan	3,668,412	4,284,000	848,710	791,553	23.1	18.5
Wisconsin	2,632,067	2,846,000	920,037	893,352	35.0	31.4
West North Central	12,544,249	13,021,000	5,171,596	4,924,437	41.2	37.8
Minnesota	2,387,125	2,611,000	897,181	875,749	37.6	33.5
Iowa	2,404,021	[3] 2,419,927	984,799	951,558	41.0	39.3
Missouri	3,404,055	3,484,000	1,211,346	1,094,037	35.6	31.4
North Dakota	646,872	[3] 641,192	394,500	372,886	61.0	58.2
South Dakota	636,547	[3] 681,260	362,221	361,770	56.9	53.1
Nebraska	1,296,372	1,371,000	684,172	566,660	45.1	41.3
Kansas	1,769,257	[3] 1,812,986	737,377	701,768	41.7	38.7
South Atlantic	13,990,272	15,418,000	6,416,698	5,660,560	45.9	36.7
Delaware	223,003	238,000	51,212	44,662	23.0	18.8
Maryland	1,449,661	1,560,000	279,225	249,319	19.3	16.0
District of Columbia	437,571	514,000	894	682	.2	.1
Virginia	2,309,187	2,486,000	1,064,417	980,162	46.1	39.4
West Virginia	1,463,701	1,638,000	477,924	455,204	32.7	27.8
North Carolina	2,559,123	2,812,000	1,501,227	1,446,881	58.7	51.5
South Carolina	1,683,724	1,804,000	1,074,093	911,885	63.8	50.5
Georgia	2,895,832	3,102,000	1,635,213	1,306,584	58.2	42.2
Florida	968,470	[3] 1,263,549	281,803	262,181	29.1	20.7
East South Central	8,893,307	9,246,000	5,182,937	4,631,856	58.3	50.1
Kentucky	2,416,630	2,508,000	1,304,862	1,163,001	54.0	46.4
Tennessee	2,337,885	2,448,000	1,271,708	1,173,316	54.4	47.9
Alabama	2,348,174	2,499,000	1,335,885	1,166,432	56.9	46.7
Mississippi	1,790,618	[3] 1,790,618	1,270,482	1,129,107	71.0	63.1
West South Central	10,242,224	11,286,000	5,228,193	4,736,241	51.0	42.0
Arkansas	1,752,204	1,880,000	1,147,049	999,840	65.5	53.2
Louisiana	1,798,509	1,900,000	786,950	696,179	43.7	36.6
Oklahoma	2,028,283	2,294,000	1,017,327	926,690	50.2	40.4
Texas	4,663,228	5,212,000	2,277,773	2,114,532	48.8	40.6
Mountain	3,336,101	3,842,000	1,168,367	1,012,100	35.0	26.3
Montana	548,889	672,000	225,667	182,885	41.1	27.2
Idaho	431,866	508,000	200,902	172,216	46.5	33.9
Wyoming	194,402	229,000	67,306	61,181	34.6	26.7
Colorado	939,629	1,040,000	266,073	250,492	28.3	24.1
New Mexico	360,350	384,000	161,446	147,482	44.8	38.4
Arizona	334,162	428,000	90,560	71,954	27.1	16.8
Utah	449,396	504,000	140,249	108,856	31.2	21.6
Nevada	77,407	[2] 77,407	16,164	17,034	20.9	22.0
Pacific	5,566,871	6,553,000	1,014,173	1,029,969	18.2	15.7
Washington	1,356,621	1,510,000	283,382	285,673	20.9	19.1
Oregon	783,389	863,000	214,021	210,288	27.3	24.4
California	3,426,861	4,180,000	516,770	531,008	15.1	12.7

[1] The 1925 farm population includes only persons living on farms; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.
[2] Population Jan. 1, 1920.
[3] Population State census, 1925.

Source: Bureau of the Census, Department of Commerce.

No. 580.—CLASSIFICATION OF FARM LAND: BY STATES, 1925

NOTE.—All figures in thousands of acres. For total of land in farms, see Table 581

Division and State	Crop land				Land in pasture				Woodland not pasture	All other land
	Total	Harvested in 1924	Crop failure in 1924	Idle or fallow	Total	Plowable	Woodland	Other		
United States	391,460	344,649	13,018	33,893	407,959	113,567	76,704	217,687	67,087	57,834
New England	4,624	4,448	25	151	6,787	771	3,681	2,335	3,668	778
Maine	1,644	1,606	7	31	1,752	196	981	575	1,508	258
New Hampshire	543	523	2	18	1,087	90	780	218	537	95
Vermont	1,150	1,127	6	17	2,176	252	1,031	892	518	83
Massachusetts	677	625	5	47	877	95	482	299	637	176
Rhode Island	76	69	(1)	6	111	34	50	27	95	27
Connecticut	534	497	5	32	765	105	357	323	373	140
Middle Atlantic	18,645	16,482	214	1,949	12,312	3,963	3,460	4,888	4,173	2,381
New York	9,088	8,200	91	706	7,404	2,081	2,025	3,298	1,780	998
New Jersey	1,126	908	21	197	335	185	44	106	254	210
Pennsylvania	8,431	7,284	102	1,045	4,573	1,697	1,391	1,485	2,139	1,153
East North Central	64,790	59,114	1,736	3,940	35,534	14,197	12,489	8,869	4,681	7,767
Ohio	11,695	10,703	287	705	8,138	3,997	1,854	2,286	973	1,413
Indiana	11,981	10,616	361	1,004	5,720	2,732	1,879	1,110	838	1,376
Illinois	21,315	19,755	647	913	7,282	4,008	1,897	1,377	739	1,397
Michigan	9,671	8,502	174	996	5,723	1,756	2,407	1,559	895	1,747
Wisconsin	10,128	9,538	268	321	8,672	1,703	4,431	2,537	1,217	1,835
West North Central	138,827	130,979	3,481	4,367	90,800	35,610	12,240	42,951	4,817	13,536
Minnesota	18,651	17,930	196	526	7,903	2,163	3,556	2,184	1,104	2,311
Iowa	21,998	21,466	423	109	9,477	5,150	1,970	2,357	243	1,564
Missouri	15,278	13,721	686	872	13,299	6,859	4,780	1,660	2,626	1,439
North Dakota	21,864	19,877	322	1,665	8,941	3,111	337	5,493	174	3,349
South Dakota	16,441	15,793	347	301	13,797	6,149	288	7,361	112	1,668
Nebraska	20,698	19,810	591	296	19,494	4,381	657	14,456	226	1,606
Kansas	23,897	22,382	916	599	17,890	7,798	651	9,441	343	1,660
South Atlantic	34,649	27,212	570	6,867	20,364	7,557	7,948	4,859	24,773	8,798
Delaware	519	404	7	108	102	79	10	12	188	1
Maryland	2,228	1,778	37	413	893	526	187	180	946	367
Dist. of Columbia	2	2	(1)	(1)	1	(1)	(1)	(1)	(1)	1
Virginia	5,368	3,969	114	1,286	5,288	2,965	1,332	991	5,524	1,030
West Virginia	1,921	1,677	28	217	4,288	1,726	905	1,657	2,264	507
North Carolina	6,857	5,575	145	1,137	2,817	882	1,387	548	7,070	1,850
South Carolina	5,036	4,311	92	632	1,637	311	1,008	319	2,562	1,404
Georgia	10,696	8,128	112	2,456	3,849	812	2,324	713	4,722	2,679
Florida	2,022	1,369	35	618	1,489	258	794	438	1,498	855
East South Central	28,816	23,696	502	4,618	20,280	10,681	6,528	3,121	15,101	6,409
Kentucky	6,827	5,184	132	1,512	7,746	5,501	1,208	1,038	3,628	1,711
Tennessee	7,589	6,209	111	1,268	4,697	2,588	1,364	745	4,198	1,417
Alabama	7,692	6,641	102	949	3,544	1,129	1,928	487	3,856	1,647
Mississippi	6,709	5,662	158	889	4,291	1,412	2,028	851	3,419	1,633
West South Central	56,809	51,335	2,381	3,093	92,856	19,237	16,552	57,068	7,368	7,980
Arkansas	7,323	6,227	174	922	3,064	956	1,076	432	3,717	1,528
Louisiana	4,280	3,485	216	579	1,709	785	674	250	1,732	1,117
Oklahoma	15,838	14,549	762	528	13,015	3,879	2,972	6,164	458	1,558
Texas	29,369	27,075	1,229	1,064	75,068	13,617	11,230	50,221	1,461	3,777
Mountain	25,587	19,706	2,174	3,707	98,148	17,524	6,138	74,486	909	7,045
Montana	8,474	6,416	308	1,750	22,715	4,124	1,312	17,279	234	1,313
Idaho	3,714	2,579	372	764	3,554	364	646	2,544	97	751
Wyoming	1,878	1,573	151	154	16,313	2,201	371	13,742	74	398
Colorado	7,190	5,948	832	419	15,351	5,114	1,114	9,123	239	1,379
New Mexico	1,785	1,346	250	189	24,049	5,368	2,145	16,547	170	1,846
Arizona	578	457	29	92	10,124	143	389	9,591	24	338
Utah	1,425	1,025	101	299	3,067	139	97	2,831	64	445
Nevada	534	363	131	40	2,974	82	63	2,829	7	577
Pacific	18,712	11,578	1,933	5,201	30,877	4,076	7,690	19,110	1,496	3,173
Washington	6,084	3,263	491	2,330	5,202	444	1,317	3,441	538	786
Oregon	4,227	2,592	457	1,178	8,803	599	2,145	6,059	520	581
California	8,401	5,723	985	1,694	16,872	3,033	4,228	9,610	437	1,806

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 581.—NUMBER AND TOTAL AND IMPROVED ACREAGE

NOTE.—As to statistics of improved land see

Division and State	Number of farms				All land in farms (thousands of acres)			
	1900	1910	1920	1925	1910	1910	1920	1925
United States	5,737,372	6,361,502	6,448,343	6,371,640	938,592	878,798	955,884	924,319
New England	191,888	188,302	156,564	159,489	20,549	19,715	16,991	15,858
Maine	59,299	60,016	48,227	50,033	6,300	6,297	5,426	5,161
New Hampshire	29,324	27,053	20,523	21,065	3,610	3,249	2,604	2,262
Vermont	33,104	32,709	29,075	27,786	4,724	4,664	4,230	3,926
Massachusetts	37,715	36,917	32,001	33,454	3,147	2,876	2,494	2,368
Rhode Island	5,498	5,202	4,083	3,911	456	443	332	309
Connecticut	26,948	26,915	22,655	23,240	2,312	2,186	1,899	1,832
Middle Atlantic	485,618	468,379	425,147	418,868	44,860	43,191	40,578	37,491
New York	226,720	215,597	193,195	188,754	22,648	22,030	20,633	19,270
New Jersey	34,650	33,487	29,702	29,671	2,841	2,574	2,283	1,925
Pennsylvania	224,248	219,295	202,250	200,443	19,371	18,587	17,658	16,296
East North Central	1,135,823	1,123,489	1,084,744	1,051,572	116,341	117,929	117,735	112,752
Ohio	276,719	272,045	256,605	244,703	24,502	24,106	23,516	22,219
Indiana	221,897	215,485	205,126	195,786	21,620	21,300	21,063	19,915
Illinois	264,151	251,872	237,181	225,601	32,795	32,523	31,975	30,732
Michigan	203,261	206,960	196,447	192,327	17,562	18,941	19,033	18,035
Wisconsin	169,795	177,127	189,295	193,155	19,863	21,060	22,148	21,851
West North Central	1,060,744	1,109,948	1,096,951	1,111,314	201,009	232,648	256,973	248,081
Minnesota	154,659	156,137	178,478	188,231	26,248	27,676	30,222	30,059
Iowa	228,622	217,044	213,439	213,490	34,574	33,931	33,475	33,251
Missouri	284,856	277,244	263,004	260,473	33,998	34,591	34,775	32,642
North Dakota	45,332	74,360	77,090	75,970	15,543	28,427	30,215	34,327
South Dakota	52,622	77,644	74,637	79,537	19,071	26,017	34,636	32,018
Nebraska	121,525	129,678	124,417	127,734	29,912	38,622	42,225	42,025
Kansas	173,098	177,841	165,286	165,879	41,663	43,385	45,425	43,729
South Atlantic	962,225	1,111,881	1,158,976	1,106,061	104,298	103,782	97,775	88,509
Delaware	9,687	10,836	10,140	10,257	1,066	1,039	945	900
Maryland	46,012	48,923	47,908	49,001	5,170	5,057	4,758	4,433
District of Columbia	269	217	204	139	8	6	6	4
Virginia	167,886	184,018	186,242	193,723	19,908	19,496	18,561	17,210
West Virginia	93,874	99,685	87,289	90,380	10,655	10,026	9,570	8,980
North Carolina	224,637	253,725	269,763	283,482	22,740	22,439	20,022	18,594
South Carolina	155,355	176,434	192,693	172,767	13,985	13,512	12,427	10,639
Georgia	224,691	291,027	310,732	249,095	26,392	26,953	25,441	21,945
Florida	40,814	50,016	54,005	50,217	4,364	5,254	6,047	5,865
East South Central	903,318	1,042,480	1,051,600	1,006,052	81,248	81,521	78,897	70,607
Kentucky	234,667	258,185	270,626	268,524	21,979	22,189	21,613	19,913
Tennessee	224,623	246,012	252,774	252,669	20,342	20,042	19,511	17,901
Alabama	223,220	262,901	256,099	237,631	20,685	20,732	19,577	16,739
Mississippi	220,803	274,382	272,101	257,228	18,241	18,558	18,197	16,053
West South Central	754,353	943,186	936,088	1,017,305	176,491	169,150	173,449	165,019
Arkansas	175,694	214,678	232,604	221,991	16,637	17,416	17,457	15,632
Louisiana	115,969	120,566	135,463	132,450	11,059	10,439	10,020	8,833
Oklahoma[1]	108,000	199,192	191,988	197,218	22,988	28,859	31,952	30,869
Texas	352,190	417,770	436,033	465,646	125,807	112,435	114,021	109,674
Mountain	101,327	183,446	244,108	233,392	46,397	59,533	117,337	131,089
Montana	13,370	26,214	57,677	46,904	11,844	13,546	35,071	32,736
Idaho	17,471	30,807	42,106	40,592	3,205	5,284	8,376	8,116
Wyoming	6,095	10,987	15,748	15,512	8,125	8,543	11,809	18,663
Colorado	24,700	46,170	59,934	58,020	9,475	13,532	24,402	24,157
New Mexico	12,311	35,676	29,844	31,687	5,131	11,270	24,410	27,850
Arizona	5,809	9,227	9,975	10,802	1,935	1,247	5,802	11,965
Utah	19,387	21,676	25,662	25,992	4,117	3,398	5,050	5,001
Nevada	2,184	2,689	3,163	3,883	2,566	2,715	2,357	4,091
Pacific	141,591	189,891	234,184	285,587	47,400	51,329	56,153	54,258
Washington	33,202	56,192	66,288	73,267	8,499	11,712	13,245	12,616
Oregon	35,837	45,502	50,206	55,911	10,071	11,085	13,542	14,181
California	72,542	88,197	117,670	136,409	28,829	27,931	29,366	27,517

[1] *Figures for 1900 include Indian Territory.*

Source: Bureau of the Census, Department of Commerce.

OF FARMS: BY STATES, WITH AVERAGES AND PERCENTAGES

headnote to Table 578 and data in Table 580

Improved land in farms (thousands of acres)			Average acreage per farm				Per cent of total land area in farms				Division and State
1900	1910	1920	1900	1910	1920	1925	1900	1910	1920	1925	
414,498	478,452	503,073	146.2	138.1	148.2	145.1	44.1	46.2	50.2	48.6	United States.
8,134	7,255	6,115	107.1	104.4	108.5	99.4	51.8	49.7	42.8	40.0	New England.
2,387	2,361	1,977	106.2	104.9	112.5	103.2	32.9	32.9	28.4	27.0	Maine.
1,077	929	703	123.1	120.1	126.9	107.4	62.5	56.2	45.0	39.1	N.Hampshire.
2,127	1,634	1,602	142.7	142.6	145.7	141.3	80.9	79.9	72.5	67.2	Vermont.
1,292	1,165	909	83.4	77.9	77.9	70.8	61.2	55.9	48.5	46.0	Massachusetts
187	178	133	82.9	83.8	81.2	79.0	66.7	64.9	48.6	45.3	Rhode Island.
1,065	988	701	85.8	81.5	83.8	78.8	74.9	70.9	61.6	59.4	Connecticut.
30,786	29,321	26,562	92.4	92.2	95.4	89.5	70.1	67.5	63.4	58.6	Middle Atlantic.
15,600	14,844	13,159	99.9	102.2	106.8	102.1	74.3	72.2	67.7	63.2	New York.
1,977	1,803	1,556	82.0	76.9	76.8	64.9	59.1	53.5	47.5	40.0	New Jersey.
13,209	12,674	11,848	86.4	84.8	87.3	81.3	67.5	64.8	61.5	56.8	Pennsylvania.
86,870	88,947	87,895	102.4	105.0	108.5	107.2	74.1	75.0	74.9	71.7	E.North Central.
19,244	19,228	18,542	88.5	88.6	91.6	90.8	94.0	92.5	90.2	85.2	Ohio.
16,050	16,931	16,680	97.4	98.8	102.7	101.7	94.1	92.3	91.3	86.3	Indiana.
27,699	28,048	27,295	124.2	129.1	134.8	136.2	91.5	90.7	89.1	85.7	Illinois.
11,799	12,832	12,926	86.4	91.5	96.9	93.8	47.7	51.5	51.7	49.0	Michigan.
11,247	11,908	12,452	117.0	118.9	117.0	113.1	56.2	59.6	62.6	61.8	Wisconsin.
135,644	164,285	171,394	189.5	209.6	234.3	223.2	61.5	71.2	78.6	75.9	W.North Central.
18,443	19,644	21,482	169.7	177.3	169.3	159.7	50.7	53.5	58.4	58.1	Minnesota.
29,898	29,491	28,607	151.2	156.3	156.8	155.9	97.2	95.4	94.1	93.6	Iowa.
22,900	24,551	24,833	119.3	124.8	132.2	125.3	77.3	78.6	79.1	74.2	Missouri.
9,645	20,455	24,563	342.9	382.3	466.1	451.9	34.6	63.3	80.6	76.4	N. Dakota.
11,286	15,827	18,199	362.4	335.1	464.1	402.6	38.8	52.9	70.4	65.1	S. Dakota.
18,433	24,383	23,110	246.1	297.8	339.4	329.0	60.8	78.6	85.9	85.5	Nebraska.
25,041	29,904	30,691	240.7	244.0	274.8	263.6	79.6	82.9	86.8	83.6	Kansas.
46,100	48,480	48,510	103.4	93.3	84.4	79.9	66.8	60.3	56.6	51.4	South Atlantic.
754	714	658	110.1	95.9	93.1	87.7	84.8	82.6	75.1	71.5	Delaware.
3,516	3,355	3,137	112.4	103.4	99.3	90.5	81.3	79.5	74.8	69.7	Maryland.
6	5	4	31.6	27.9	27.8	27.4	22.1	15.8	14.8	9.5	Dist. of Col.
10,095	9,870	9,460	118.6	105.9	99.7	88.8	77.3	75.7	72.0	66.8	Virginia.
5,499	5,522	5,520	114.7	103.7	109.6	99.4	69.3	65.2	62.2	58.4	W. Virginia.
8,327	8,813	8,198	101.3	88.4	74.2	65.6	72.9	71.9	64.2	59.6	N. Carolina.
5,776	6,098	6,184	90.0	76.6	64.5	61.6	71.7	69.2	63.7	54.5	S. Carolina.
10,016	12,298	13,055	117.5	92.6	81.9	88.1	70.2	71.7	67.7	58.4	Georgia.
1,512	1,805	2,297	106.9	105.0	112.0	99.0	12.4	15.0	17.2	16.7	Florida.
40,237	43,947	44,380	80.9	78.2	75.0	70.2	70.7	71.0	68.7	61.5	E. South Central.
13,742	14,354	13,976	93.7	85.6	79.9	77.0	85.5	86.3	84.0	77.4	Kentucky.
10,246	10,890	11,185	90.6	81.5	77.2	70.8	76.2	75.1	73.1	67.1	Tennessee.
8,655	9,694	9,893	92.7	78.9	76.4	70.4	63.0	63.2	59.7	51.0	Alabama.
7,594	9,008	9,326	82.6	67.6	66.9	62.4	61.5	62.5	61.3	54.1	Mississippi.
39,771	58,264	64,190	233.8	178.3	174.1	162.2	64.2	61.5	63.1	60.0	W.South Central.
6,954	8,076	9,211	93.1	81.1	75.0	70.4	49.5	51.8	51.9	46.5	Arkansas.
4,667	5,276	5,626	95.4	86.6	74.0	66.7	38.1	35.9	34.5	30.4	Louisiana.
8,574	17,561	18,125	212.9	151.7	166.4	156.5	51.7	65.0	71.9	69.5	Oklahoma.1
19,576	27,361	31,228	357.2	269.1	261.5	235.5	74.9	67.0	67.9	65.3	Texas.
8,498	15,915	30,106	457.9	324.5	480.7	564.2	8.4	10.8	21.3	24.0	Mountain.
1,737	3,640	11,007	885.9	516.7	608.1	697.9	12.7	14.5	37.5	35.0	Montana.
1,413	2,779	4,512	183.4	171.5	198.9	199.9	6.0	9.9	15.7	15.2	Idaho.
792	1,256	2,102	1,333.0	777.6	749.9	1,203.2	13.9	13.7	18.9	20.9	Wyoming.
2,274	4,302	7,745	383.6	293.1	408.1	416.5	14.3	20.4	36.9	36.4	Colorado.
327	1,467	1,717	416.8	315.9	817.9	878.9	6.5	14.4	31.1	35.5	N. Mexico.
255	350	713	333.2	135.1	581.7	1,024.4	2.7	1.7	8.0	15.2	Arizona.
1,032	1,368	1,715	212.4	156.7	196.8	192.4	7.8	6.5	9.6	9.5	Utah.
573	752	595	1,174.7	1,009.6	745.2	1,053.5	3.7	3.9	3.4	5.8	Nevada.
18,753	22,038	23,922	334.8	270.3	239.8	204.3	23.3	25.2	27.6	26.7	Pacific.
3,466	6,373	7,129	256.0	208.4	199.8	172.1	19.9	27.4	31.0	29.5	Washington.
3,328	4,275	4,914	281.0	256.8	269.7	252.7	16.5	19.1	22.1	23.1	Oregon.
11,959	11,390	11,878	397.4	316.7	249.6	201.7	28.9	28.0	29.5	27.6	California

No. 582.—VALUE OF FARM PROPERTY: All Property, Land,

[All amounts in

Division and State	Value of all farm property				Value of land			
	1900	1910	1920	1925	1900	1910	1920	1925
United States	20,439,901	40,991,449	77,923,652	57,017,740	13,058,008	28,475,674	54,329,563	37,721,018
New England	839,646	867,240	1,178,020	1,001,545	283,461	382,134	488,125	413,932
Maine	122,411	199,272	270,527	245,869	49,359	86,481	114,412	97,524
New Hampshire	85,842	103,704	118,656	107,084	35,499	44,519	47,425	37,226
Vermont	108,451	145,400	222,737	180,912	45,814	58,385	82,938	63,865
Massachusetts	182,647	226,474	300,472	293,405	86,925	105,533	127,654	110,437
Rhode Island	26,989	32,991	33,637	33,446	13,422	15,010	14,509	13,543
Connecticut	113,306	159,400	226,992	230,829	52,442	72,206	101,187	91,337
Middle Atlantic	2,310,887	2,959,589	3,949,684	3,478,716	1,219,928	1,482,321	1,661,878	1,332,457
New York	1,069,724	1,451,481	1,908,483	1,706,930	551,174	707,748	793,336	646,950
New Jersey	189,534	254,833	311,848	311,084	93,361	124,143	142,182	130,331
Pennsylvania	1,051,629	1,253,275	1,729,353	1,460,702	575,393	630,430	726,158	555,146
East North Central	5,683,925	10,119,128	17,245,363	12,592,988	3,073,024	7,231,699	12,046,074	7,969,004
Ohio	1,198,924	1,902,695	3,095,666	2,236,902	817,164	1,285,895	2,015,113	1,299,024
Indiana	978,616	1,809,135	3,042,311	1,931,742	687,633	1,328,197	2,202,566	1,268,777
Illinois	2,004,317	3,905,321	6,666,767	4,627,965	1,514,114	3,090,411	5,250,295	3,426,455
Michigan	690,356	1,088,858	1,763,335	1,523,977	423,570	615,268	959,187	764,371
Wisconsin	811,712	1,413,119	2,677,283	2,272,402	530,543	911,938	1,618,913	1,209,878
West North Central	5,820,994	13,535,310	27,991,035	18,879,178	3,892,377	10,052,561	21,340,145	13,303,048
Minnesota	788,685	1,476,412	3,787,420	2,761,684	559,302	1,019,102	2,750,328	1,796,600
Iowa	1,834,346	3,745,861	8,524,471	5,602,078	1,256,752	2,801,974	6,679,021	3,969,814
Missouri	1,033,122	2,052,917	3,591,068	2,286,639	695,471	1,445,982	2,594,193	1,562,725
North Dakota	255,267	974,814	1,759,743	1,191,037	173,352	730,380	1,279,314	813,722
South Dakota	297,525	1,166,097	2,823,870	1,658,921	189,207	902,607	2,231,432	1,201,015
Nebraska	747,950	2,079,819	4,201,656	2,874,478	486,606	1,614,539	3,330,222	2,125,792
Kansas	864,100	2,039,390	3,302,806	2,504,340	532,188	1,537,977	2,475,635	1,833,379
South Atlantic	1,454,031	2,951,201	6,132,918	4,659,177	899,821	1,883,350	4,000,682	2,980,771
Delaware	40,698	63,179	80,133	72,798	23,769	34,938	42,116	34,435
Maryland	204,645	286,167	463,638	397,093	120,308	163,452	259,904	207,274
Dist. of Columbia	11,535	8,477	5,928	5,003	9,700	7,194	4,156	3,564
Virginia	323,516	625,005	1,195,556	999,406	200,615	394,659	756,354	600,676
West Virginia	203,907	314,739	496,440	411,159	134,269	207,076	307,310	251,793
North Carolina	233,835	537,716	1,250,167	1,050,016	141,956	343,165	857,815	686,426
South Carolina	153,591	392,128	953,065	523,084	99,806	268,775	647,157	347,087
Georgia	228,375	580,546	1,350,685	686,673	138,515	370,353	897,445	433,649
Florida	53,920	143,183	330,302	513,884	30,823	93,738	228,425	415,869
East South Central	1,195,869	2,182,772	4,419,417	2,898,526	708,153	1,328,827	2,916,141	1,827,823
Kentucky	471,040	773,798	1,511,901	963,569	291,117	484,465	1,050,753	616,214
Tennessee	341,202	612,521	1,251,916	883,646	202,014	371,416	807,782	555,943
Alabama	179,400	370,138	690,849	500,740	100,166	216,944	415,764	308,664
Mississippi	204,221	426,315	964,752	550,571	114,857	254,002	641,842	347,002
West South Central	1,819,955	3,838,154	7,622,066	5,696,760	953,786	2,716,099	5,408,080	4,176,864
Arkansas	181,416	400,089	924,395	628,846	105,107	246,021	607,773	420,735
Louisiana	198,537	301,221	589,827	385,911	107,730	187,803	383,618	251,738
Oklahoma [1]	277,525	918,199	1,660,424	1,210,135	149,398	649,067	1,171,459	879,335
Texas	962,476	2,218,645	4,447,420	3,471,867	591,551	1,633,207	3,245,209	2,625,157
Mountain	601,264	1,757,573	4,083,138	2,758,216	284,065	1,174,370	2,801,712	1,838,980
Montana	117,860	347,829	985,961	574,897	52,661	226,771	691,912	389,514
Idaho	67,271	305,317	716,138	451,885	35,486	219,953	511,866	309,769
Wyoming	67,477	167,189	334,411	240,396	23,434	88,908	210,947	148,168
Colorado	161,045	491,472	1,076,795	712,285	90,342	362,822	763,723	493,974
New Mexico	53,763	159,448	325,186	236,301	17,324	98,806	196,341	152,033
Arizona	29,994	75,124	233,593	194,049	11,416	42,350	156,563	126,788
Utah	75,175	150,795	311,275	250,318	40,127	99,482	210,998	169,703
Nevada	28,674	60,399	99,780	98,086	13,276	35,277	59,362	59,031
Pacific	1,113,330	2,780,482	5,307,011	4,962,834	842,893	2,246,814	4,166,948	3,878,038
Washington	144,041	637,543	1,057,430	823,438	99,311	517,422	797,651	584,386
Oregon	172,761	528,244	818,560	714,410	113,138	411,696	586,242	505,141
California	796,528	1,614,695	3,431,022	3,424,786	630,445	1,317,195	2,783,055	2,788,511

[1] Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

Buildings, Implements and Machinery, and Livestock, By States

[thousands of dollars]

Value of buildings				Value of implements and machinery		Value of livestock			Division and State
1900	1910	1920	1925	1920	1925	1910	1920	1925	
3,556,639	6,325,452	11,486,440	11,746,629	3,594,773	2,691,704	4,925,174	5,012,876	4,858,389	United States.
244,807	336,410	429,343	491,695	92,388	82,334	97,897	163,163	103,584	New England.
47,143	73,138	89,997	99,746	26,038	24,491	25,162	39,780	24,108	Maine.
34,626	41,397	42,571	49,407	9,499	8,988	11,019	19,161	11,463	N. Hampshire.
37,258	54,203	76,179	73,406	21,234	18,130	22,643	42,385	25,511	Vermont.
71,094	88,636	119,934	144,106	19,360	17,044	20,741	33,524	21,758	Massachusetts
9,703	12,923	11,379	14,377	2,409	2,064	3,276	4,840	3,462	Rhode Island.
44,984	66,113	89,084	110,594	13,248	11,616	14,164	23,473	17,282	Connecticut.
729,070	980,628	1,340,462	1,487,377	359,152	333,490	349,180	588,394	345,393	Middle Atlantic.
336,060	476,998	631,726	720,145	169,867	169,385	183,091	313,555	170,419	New York.
60,230	92,991	108,141	132,205	25,459	23,452	24,589	36,065	25,095	New Jersey.
322,880	410,639	600,594	615,026	163,826	140,652	141,480	238,775	149,878	Pennsylvania.
939,574	1,642,292	2,891,568	3,054,655	786,077	567,871	976,330	1,521,644	1,001,458	East N. Central.
219,451	368,258	546,323	646,607	145,575	97,893	197,332	287,655	193,378	Ohio.
154,102	266,079	451,078	426,964	127,403	79,740	173,860	261,264	156,262	Indiana.
251,408	432,381	747,690	773,004	222,620	147,104	308,804	446,154	281,402	Illinois.
158,948	285,880	477,500	519,191	122,390	96,253	137,804	204,259	143,662	Michigan.
155,665	289,694	568,969	688,889	167,089	146,883	158,529	322,312	226,754	Wisconsin.
758,408	1,562,105	3,129,350	3,227,843	1,162,938	816,333	1,551,708	2,358,601	1,531,954	West N. Central.
119,220	243,339	550,840	597,142	181,088	137,966	161,641	305,164	229,977	Minnesota.
240,803	455,406	922,752	984,632	309,172	227,282	393,003	613,526	420,349	Iowa.
148,508	270,222	468,774	440,561	138,261	75,955	255,839	389,839	207,398	Missouri.
25,428	92,277	209,208	206,381	114,187	76,631	108,250	157,035	94,303	North Dakota.
30,926	102,474	241,462	236,273	112,408	75,411	127,229	238,568	146,222	South Dakota.
91,054	198,808	381,885	398,282	153,104	111,799	222,222	336,444	238,605	Nebraska.
111,465	199,580	354,429	364,572	154,717	111,288	253,524	318,025	195,100	Kansas.
306,529	603,087	1,201,092	1,118,173	283,981	195,639	366,584	647,163	364,594	South Atlantic.
10,667	18,218	22,644	25,241	6,781	5,906	6,817	8,601	7,217	Delaware.
54,811	78,286	126,693	134,087	28,970	22,885	32,570	48,071	32,846	Maryland.
1,574	1,037	1,421	1,231	104	108	153	246	100	Dist. of Col.
70,963	137,399	268,081	286,138	50,151	40,021	74,891	121,969	72,631	Virginia.
34,027	57,315	103,474	104,361	18,395	15,687	43,336	67,261	39,319	West Virginia.
52,700	113,460	218,578	230,601	54,621	46,437	62,650	119,153	77,554	N. Carolina.
26,956	64,113	166,327	110,536	48,062	23,105	45,131	91,518	42,357	S. Carolina.
44,855	108,851	240,854	153,905	63,343	26,986	80,394	155,043	72,133	Georgia.
9,977	24,408	53,025	63,073	13,552	14,504	20,591	35,301	20,439	Florida.
225,627	411,571	747,552	653,007	176,065	123,550	369,035	579,659	294,147	East S. Central.
90,887	150,995	254,406	231,213	48,355	30,629	117,487	158,387	85,513	Kentucky.
63,137	109,107	217,198	203,483	53,463	40,746	110,706	173,473	83,473	Tennessee.
34,453	71,309	127,394	106,195	34,366	23,851	65,595	112,825	62,031	Alabama.
37,150	80,160	148,054	112,116	39,881	28,323	75,247	134,974	63,129	Mississippi.
185,106	412,498	883,128	782,469	311,099	252,866	589,837	1,019,779	454,469	West S. Central.
30,076	63,145	145,337	119,992	43,432	31,255	74,058	127,853	56,865	Arkansas.
33,400	49,741	90,421	72,940	32,715	21,333	44,699	83,073	39,900	Louisiana.
21,407	89,611	192,406	169,422	80,631	58,379	152,433	215,928	102,998	Oklahoma.[1]
100,223	210,001	454,965	420,114	154,321	141,899	318,647	592,926	284,698	Texas.
54,555	146,027	361,476	334,002	190,716	129,257	388,747	728,234	455,977	Mountain.
9,366	24,855	84,855	65,881	55,004	30,633	85,663	154,190	88,869	Montana.
6,832	25,113	69,646	63,557	38,417	26,526	49,775	96,209	52,033	Idaho.
3,532	9,007	23,801	24,508	11,778	9,172	65,606	87,885	58,548	Wyoming.
16,003	45,097	102,291	98,481	49,805	33,473	70,161	160,977	86,357	Colorado.
3,565	13,025	25,473	22,884	9,745	8,712	43,495	93,626	52,671	New Mexico.
2,267	4,936	15,763	17,226	8,821	6,928	26,051	52,447	43,107	Arizona.
10,652	18,063	32,754	32,499	13,515	10,097	28,782	54,008	48,019	Utah.
2,340	4,333	6,893	8,966	3,631	3,715	19,214	29,894	26,374	Nevada.
112,967	231,833	502,469	617,409	232,358	190,365	235,927	405,237	278,822	Pacific.
16,299	54,546	122,741	142,504	54,721	41,235	48,865	82,316	55,313	Washington.
19,200	43,880	88,971	110,927	41,567	35,643	59,462	101,779	62,699	Oregon.
77,468	133,406	290,756	363,977	136,069	113,488	127,600	221,141	158,810	California.

No. 583.—AVERAGE VALUE PER FARM AND PER ACRE: BY STATES

Division and State	Average value per farm (dollars)							Average value of land per acre (dollars)			
	All farm property				Land and buildings						
	1900	1910	1920	1925	1910	1920	1925	1900	1910	1920	1925
United States	3,563	6,444	12,084	8,949	5,471	10,284	7,764	15.57	32.40	57.36	40.81
New England	3,333	4,583	7,492	6,844	3,806	5,860	5,678	13.79	19.38	28.73	26.10
Maine	2,064	3,320	5,609	4,914	2,660	4,232	3,943	7.83	13.73	21.09	18.89
New Hampshire	2,927	3,833	5,782	5,084	3,176	4,385	4,113	9.83	13.70	18.21	16.46
Vermont	3,276	4,445	7,661	6,511	3,442	5,473	4,940	9.70	12.52	19.58	16.27
Massachusetts	4,843	6,135	9,389	8,770	5,260	7,737	7,611	27.62	36.69	51.17	46.64
Rhode Island	4,909	6,234	8,238	8,552	5,278	6,463	7,139	29.46	33.86	43.75	43.83
Connecticut	4,205	6,944	10,019	9,932	5,158	8,399	8,689	22.08	33.03	53.28	40.85
Middle Atlantic	4,759	6,819	9,290	8,305	5,216	7,061	6,664	27.19	33.86	40.96	35.54
New York	4,718	6,732	9,879	9,043	5,495	7,376	7,243	24.34	32.13	38.45	33.57
New Jersey	5,470	7,610	10,499	10,484	6,484	8,428	8,848	32.86	48.23	62.29	67.72
Pennsylvania	4,690	5,715	8,551	7,287	4,747	6,560	5,838	29.70	33.92	41.12	34.07
East North Central	5,004	9,007	15,898	11,975	7,899	13,771	10,483	34.15	61.32	102.31	70.68
Ohio	4,333	6,994	12,060	9,141	6,080	10,308	7,951	33.35	53.34	85.69	58.46
Indiana	4,410	8,396	14,831	9,857	7,399	12,937	8,661	31.81	62.36	104.57	63.71
Illinois	7,588	15,505	28,108	20,514	13,986	25,289	18,615	46.17	95.02	164.20	111.49
Michigan	3,396	5,261	8,976	7,924	4,354	7,313	6,676	24.12	32.48	50.40	42.41
Wisconsin	4,781	7,978	14,143	11,765	6,784	11,558	9,830	26.71	43.30	73.09	55.37
West North Central	5,488	12,195	25,517	16,988	10,464	22,307	14,875	19.37	43.21	88.04	58.62
Minnesota	5,100	9,456	21,221	14,672	8,085	18,496	12,717	21.31	36.82	91.00	59.77
Iowa	8,023	17,259	39,939	26,240	15,008	35,016	23,207	36.35	82.58	199.52	119.28
Missouri	3,626	7,405	13,654	8,779	6,190	11,646	7,691	20.46	41.80	74.60	47.87
North Dakota	5,631	13,109	22,651	15,678	11,063	19,160	13,428	11.15	25.69	35.33	23.70
South Dakota	5,654	15,018	37,835	20,857	12,945	33,132	18,071	9.92	34.69	64.42	37.51
Nebraska	6,155	16,038	33,771	22,504	13,933	29,836	19,760	16.27	41.80	78.87	50.58
Kansas	4,992	11,467	19,982	15,097	9,770	17,122	13,250	12.77	35.45	54.50	41.93
South Atlantic	1,511	2,654	5,292	4,205	2,236	4,488	3,699	8.63	18.15	40.92	33.65
Delaware	4,201	5,830	7,903	7,697	4,905	6,386	5,818	22.29	33.63	44.59	38.28
Maryland	4,468	5,849	9,678	8,104	4,941	8,070	6,966	23.28	32.32	54.62	46.75
District of Columbia	42,882	39,062	20,059	35,992	37,932	27,340	34,500	1,142.68	1,186.53	733.27	934.71
Virginia	1,927	3,397	6,425	5,159	2,891	5,501	4,578	10.08	20.24	40.75	34.90
West Virginia	2,196	3,255	5,687	4,549	2,735	4,706	3,941	12.60	20.65	32.11	26.04
North Carolina	1,041	2,119	4,634	3,704	1,800	3,990	3,267	6.24	15.29	42.84	36.92
South Carolina	989	2,223	4,946	3,028	1,887	4,222	2,649	7.14	19.89	52.08	32.62
Georgia	1,016	1,995	4,366	2,757	1,647	3,663	2,359	5.25	13.74	35.28	19.76
Florida	1,321	2,863	6,116	8,678	2,362	5,212	8,088	7.06	17.84	37.78	70.91
East South Central	1,324	2,094	4,208	2,881	1,868	3,484	2,466	8.72	16.28	36.96	25.89
Kentucky	2,007	2,986	5,587	3,727	2,452	4,823	3,278	13.24	21.83	48.62	30.95
Tennessee	1,519	2,490	4,953	3,497	1,953	4,056	3,006	9.93	18.53	41.40	31.06
Alabama	804	1,408	2,608	2,107	1,096	2,123	1,746	4.84	10.46	21.24	18.44
Mississippi	925	1,554	3,546	2,140	1,218	2,903	1,785	6.30	13.69	35.27	21.62
West South Central	2,146	4,069	7,652	5,600	3,317	6,316	4,875	5.40	16.06	31.18	25.31
Arkansas	1,015	1,864	3,974	2,833	1,440	3,238	2,436	6.32	14.13	34.82	20.91
Louisiana	1,712	2,499	4,354	2,914	1,971	3,499	2,451	9.74	17.99	38.29	28.49
Oklahoma	2,570	4,828	8,649	6,136	3,884	7,104	5,318	6.50	22.49	36.66	28.49
Texas	2,733	5,311	10,200	7,456	4,412	8,486	6,540	4.70	14.53	28.46	23.94
Mountain	5,934	9,581	16,727	11,818	7,192	12,958	9,310	6.12	16.73	23.88	13.96
Montana	8,815	13,260	17,095	12,257	9,599	13,468	9,709	4.45	16.74	19.73	11.90
Idaho	3,850	9,911	17,008	11,132	7,955	13,811	9,197	11.07	41.63	61.11	38.17
Wyoming	11,071	16,217	21,235	15,497	8,912	14,907	11,132	2.88	10.41	17.86	7.94
Colorado	6,520	10,645	17,966	12,277	8,848	14,449	10,211	9.54	26.81	31.22	20.44
New Mexico	4,367	4,469	10,896	7,457	3,135	7,432	5,520	3.38	8.77	8.04	5.46
Arizona	5,163	8,142	28,418	17,904	5,125	17,276	13,332	5.90	33.97	26.98	11.46
Utah	3,878	6,957	12,130	9,631	5,423	9,499	7,305	9.75	29.28	41.78	31.94
Nevada	13,129	22,462	31,546	25,260	14,730	20,947	17,512	5.17	12.99	25.18	14.43
Pacific	7,864	14,643	22,864	18,686	13,050	19,941	16,926	17.78	43.76	74.21	71.47
Washington	4,338	11,346	15,952	11,239	10,179	13,885	9,921	11.68	44.18	60.22	46.34
Oregon	4,821	11,609	16,304	12,778	10,012	13,449	11,019	11.23	35.23	43.29	35.75
California	10,980	18,308	29,158	25,107	16,447	26,122	23,111	21.87	47.16	94.77	101.34

Source: Bureau of the Census, Department of Commerce.

No. 584.—NUMBER OF FARMS: BY SIZE AND BY STATES

Division and State	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 acres and over
United States:									
1900	5,737,372	673,870	1,257,496	1,366,038	1,422,262	490,069	377,951	102,526	47,160
1910	6,361,502	839,166	1,414,376	1,438,069	1,516,286	534,191	443,984	125,295	50,135
1920	6,448,343	796,535	1,503,732	1,474,745	1,449,630	530,800	475,677	149,819	67,405
1925	6,371,640	966,584	1,450,643	1,421,078	1,383,777	503,417	438,961	143,853	63,328
1925									
New England	159,489	30,385	29,271	38,388	36,799	14,634	8,110	1,544	378
Maine	50,033	5,883	7,967	14,744	14,051	4,738	2,199	374	77
New Hampshire	21,065	3,926	3,639	5,063	4,829	2,014	1,250	311	93
Vermont	27,786	3,540	2,885	4,980	8,309	4,628	2,893	471	80
Massachusetts	33,454	10,714	8,148	6,877	4,751	1,691	977	228	68
Rhode Island	3,911	1,011	894	962	659	221	122	28	14
Connecticut	23,240	5,311	5,738	5,802	4,200	1,342	669	132	46
Middle Atlantic	418,868	74,437	71,373	117,598	108,546	32,548	12,685	1,413	288
New York	188,754	28,796	27,357	49,538	53,869	19,730	8,447	871	146
New Jersey	20,671	9,275	6,649	6,622	5,414	1,216	405	62	28
Pennsylvania	209,443	36,366	37,367	61,438	49,263	11,602	3,813	480	114
East North Central	1,051,572	96,958	168,902	319,425	311,568	104,801	45,703	4,472	643
Ohio	244,703	31,424	42,232	81,537	65,978	16,710	6,062	664	96
Indiana	195,786	21,050	33,268	60,282	54,875	17,597	7,804	817	93
Illinois	225,601	16,843	25,239	47,079	77,268	38,172	19,140	1,685	166
Michigan	192,327	15,665	41,313	68,126	49,634	12,385	4,495	537	172
Wisconsin	193,155	11,976	25,950	62,401	63,813	19,937	8,198	769	116
West North Central	1,111,314	59,990	89,827	170,617	351,199	169,204	194,331	58,840	17,306
Minnesota	188,231	9,039	17,241	35,167	67,949	31,396	24,064	2,577	198
Iowa	213,490	13,125	12,593	34,528	86,373	41,475	23,503	1,789	104
Missouri	260,473	20,948	44,490	64,905	75,481	31,715	19,224	3,184	526
North Dakota	75,970	574	676	1,135	11,144	5,812	35,093	17,983	3,553
South Dakota	70,537	1,334	1,397	3,119	18,715	10,816	28,776	11,549	3,831
Nebraska	127,734	5,031	4,127	10,977	44,199	22,031	26,500	9,489	5,380
Kansas	165,879	9,339	9,303	20,786	47,338	25,959	37,171	12,269	3,714
South Atlantic	1,108,061	233,729	354,421	255,439	190,805	55,534	34,718	10,076	3,339
Delaware	10,257	1,536	2,299	2,999	2,368	789	300	52	4
Maryland	49,001	11,944	8,974	10,264	10,816	4,415	2,212	334	42
District of Columbia	139	88	39	7	2	1	2		
Virginia	193,723	47,672	46,870	42,166	32,536	12,908	8,531	2,418	623
West Virginia	90,380	13,700	19,544	25,228	18,669	6,760	4,132	1,042	305
North Carolina	283,482	66,047	93,817	68,129	37,611	10,643	5,525	1,347	363
South Carolina	172,767	46,435	69,777	30,996	15,446	4,946	3,477	1,203	487
Georgia	249,095	28,686	93,303	64,638	36,537	12,877	8,820	3,084	1,150
Florida	59,217	17,621	19,798	10,103	6,820	2,195	1,719	596	305
East South Central	1,006,052	224,494	346,230	222,577	138,159	42,199	24,372	6,077	1,944
Kentucky	258,524	58,724	60,368	69,155	47,279	14,208	7,073	1,428	289
Tennessee	252,669	54,041	78,143	63,000	38,258	11,566	6,101	1,222	278
Alabama	237,631	36,171	104,030	53,667	27,885	8,255	5,356	1,616	651
Mississippi	257,228	75,558	103,689	36,755	24,737	8,170	5,782	1,811	726
West South Central	1,017,305	135,318	297,911	235,016	205,986	59,030	53,645	18,083	12,386
Arkansas	221,991	44,566	84,740	46,778	30,874	8,586	4,903	1,173	371
Louisiana	132,450	38,158	55,549	19,880	10,911	3,394	2,738	1,111	709
Oklahoma	197,218	10,280	34,986	47,375	65,102	14,965	19,201	4,054	1,255
Texas	465,646	42,314	122,636	120,983	99,099	32,085	26,803	11,725	10,001
Mountain	233,392	26,673	26,892	27,522	40,306	13,942	48,134	31,877	18,041
Montana	46,904	1,108	1,285	1,972	6,392	2,610	16,146	11,467	5,924
Idaho	40,592	3,704	7,097	8,625	9,315	3,216	5,089	2,186	760
Wyoming	15,512	201	326	890	2,257	868	3,540	4,114	3,226
Colorado	58,020	6,166	4,480	5,872	10,750	3,859	15,140	8,224	3,529
New Mexico	31,687	7,317	3,728	2,503	4,735	1,102	5,171	4,202	2,929
Arizona	10,802	2,072	2,196	1,886	2,328	413	742	523	642
Utah	25,992	5,638	6,608	5,143	3,753	1,609	1,817	807	617
Nevada	3,883	382	572	631	776	265	489	354	414
Pacific	265,587	84,595	66,716	34,516	30,409	11,525	17,283	11,490	9,053
Washington	73,267	24,016	17,567	9,506	8,522	2,902	5,003	3,601	2,150
Oregon	55,911	12,570	10,837	9,093	9,203	3,664	4,960	3,176	2,408
California	136,409	48,009	38,312	15,917	12,684	4,959	7,320	4,713	4,495

Source: Bureau of the Census, Department of Commerce.

No. 585.—NUMBER AND ACREAGE OF FARMS: BY SIZE, FOR EACH DIVISION

NOTE.—For totals for United States see Tables 584 and 587

Items, year, and division	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
	Number of farms							
New England:								
1900	191,888	28,018	33,805	49,389	48,039	30,007	2,133	497
1920	159,504	25,886	27,117	38,036	37,993	25,173	1,916	443
1925	159,489	30,385	29,271	38,368	36,799	22,744	1,544	378
Middle Atlantic:								
1900	485,618	75,165	84,330	142,341	129,501	51,815	1,907	559
1920	425,147	65,725	70,492	120,323	116,009	50,437	1,736	425
1925	418,868	74,437	71,373	117,598	108,546	45,213	1,413	288
East North Central:								
1900	1,135,823	100,071	230,411	350,291	301,629	146,901	5,569	951
1920	1,084,744	90,703	172,052	335,439	326,390	155,489	4,912	759
1925	1,051,572	96,958	168,002	319,425	311,508	150,504	4,472	643
West North Central:								
1900	1,060,744	47,650	110,718	212,600	354,794	288,187	36,186	10,609
1920	1,096,951	46,093	81,820	170,896	351,003	366,438	60,561	20,140
1925	1,111,314	59,990	89,327	170,617	351,199	363,535	58,840	17,306
South Atlantic:								
1900	962,225	147,165	265,623	216,522	181,290	128,541	17,191	5,893
1920	1,158,976	187,326	401,259	280,114	175,311	99,833	11,269	3,864
1925	1,108,061	233,729	354,421	255,439	160,805	90,252	10,076	3,339
East South Central:								
1900	903,313	153,359	280,010	204,914	159,531	92,783	9,777	2,939
1920	1,051,600	203,187	373,138	236,444	152,992	77,078	7,245	2,516
1925	1,006,052	224,494	340,230	222,577	138,159	66,571	6,077	1,944
West South Central:								
1900	754,853	84,808	218,481	161,611	178,015	82,662	15,047	14,139
1920	996,088	97,878	296,729	235,213	212,167	120,429	19,717	13,955
1925	1,017,305	135,318	297,911	235,016	205,986	112,675	18,063	12,336
Mountain:								
1900	101,327	16,366	12,685	11,243	33,963	17,553	4,932	4,585
1920	244,109	22,071	25,392	26,896	45,855	77,982	30,005	15,908
1925	233,392	26,678	26,892	27,522	40,306	62,076	31,877	18,041
Pacific:								
1900	141,581	21,178	21,433	17,127	35,500	29,571	9,784	6,988
1920	234,104	57,666	55,733	32,384	32,910	33,618	12,458	9,395
1925	205,587	84,595	66,716	34,516	30,409	28,808	11,490	9,053
	Acreage in farms (thousands of acres)							
All land in farms, 1925:								
New England	15,858	286	951	2,682	4,665	5,727	979	568
Middle Atlantic	37,491	692	2,361	8,417	13,761	10,852	996	414
East North Central	112,752	895	5,896	23,984	41,163	36,920	3,128	767
West North Central	248,081	531	3,119	13,033	50,345	104,811	40,320	35,922
South Atlantic	88,569	2,536	11,051	17,331	20,190	23,428	6,979	7,054
East South Central	70,607	2,634	10,615	15,422	17,520	16,977	4,205	3,231
West South Central	165,013	1,633	9,474	16,538	27,899	30,885	12,326	66,258
Mountain	131,689	219	896	2,037	5,919	20,114	22,206	80,238
Pacific	54,258	729	2,043	2,463	4,248	8,649	8,029	28,096
Crop land harvested, 1924:								
New England	4,448	159	379	901	1,390	1,394	162	62
Middle Atlantic	16,482	402	1,271	4,315	6,311	3,907	226	49
East North Central	59,114	422	2,387	12,663	22,200	19,555	1,210	177
West North Central	130,979	259	1,621	7,204	30,708	63,404	19,747	8,035
South Atlantic	27,212	1,862	6,848	6,761	5,513	4,743	939	545
East South Central	23,696	2,197	7,146	5,815	4,488	3,220	547	284
West South Central	51,335	1,438	7,511	10,230	14,185	12,688	3,152	2,131
Mountain	19,706	141	547	1,155	2,324	6,385	4,088	4,460
Pacific	11,578	461	1,174	1,154	1,384	2,578	1,885	2,941

Source: Bureau of the Census, Department of Commerce.

No. 586.—NUMBER OF FARMS: By Size and by Tenure and Color of Operator

Size of farm, tenure, and color	1880	1890	1900	1910	1920	1925
BY SIZE						
Number, total	4,008,907	4,564,641	5,737,372	6,361,502	6,448,343	6,371,640
Under 10 acres	139,241	150,194	267,229	335,043	288,772	378,535
10 to 19 acres	254,749	265,550	406,641	504,123	507,763	588,049
20 to 49 acres	781,574	902,777	1,257,496	1,414,376	1,503,732	1,450,643
50 to 99 acres	1,032,810	1,121,485	1,366,038	1,438,069	1,474,745	1,421,078
100 to 499 acres	1,695,983	2,008,694	2,290,282	2,494,461	2,456,107	2,326,155
100 to 174 acres			1,422,262	1,516,286	1,449,630	1,383,777
175 to 259 acres			490,069	534,191	530,800	503,417
260 to 499 acres			377,951	443,984	475,677	438,961
500 to 999 acres	75,972	84,395	102,526	125,295	149,819	143,852
1,000 acres and over	28,578	31,546	47,160	50,135	67,405	63,328
Per cent distribution, total	100.0	100.0	100.0	100.0	100.0	100.0
Under 10 acres	3.5	3.3	4.7	5.3	4.5	5.9
10 to 19 acres	6.4	5.8	7.1	7.9	7.9	9.2
20 to 49 acres	19.5	19.8	21.9	22.2	23.3	22.8
50 to 99 acres	25.8	24.6	23.8	22.6	22.9	22.3
100 to 499 acres	42.3	44.0	39.9	39.2	38.1	36.5
100 to 174 acres			24.8	23.8	22.5	21.7
175 to 259 acres			8.5	8.4	8.2	7.9
260 to 499 acres			6.6	7.0	7.4	6.9
500 to 999 acres	1.9	1.8	1.8	2.0	2.3	2.3
1,000 acres and over	.7	.7	.8	.8	1.0	1.0
BY TENURE						
Owners and managers, total	2,884,306	3,288,728	3,712,408	4,006,826	3,993,539	3,909,032
Owners			3,653,323	3,948,722	3,925,090	3,868,332
Owning entire farm			3,201,947	3,354,897	3,366,510	3,313,490
Hiring additional land			451,376	593,825	558,580	554,842
Managers			59,085	58,104	68,449	40,700
Tenants, total	1,024,601	1,294,913	2,024,964	2,354,676	2,454,804	2,462,608
Share and share-cash	702,244	840,264	1,273,299	1,528,380	[1] 1,806,634	[2] 2,069,156
Northern and Western States						[2] 660,471
Number related to landlord						[2] 189,373
Cash and unspecified	322,357	454,659	751,665	826,287	[1] 648,170	[3] 393,452
Northern and Western States						[3] 210,838
Number related to landlord						[3] 56,085
Per cent distribution, total	100.0	100.0	100.0	100.0	100.0	100.0
Owners	74.4	71.6	63.7	62.1	60.9	60.7
Managers			1.0	.9	1.1	.6
Tenants	25.6	28.4	35.3	37.0	38.1	38.6
BY COLOR AND TENURE OF FARMER						
White farmers, total			4,969,608	5,440,619	5,498,454	[4] 5,540,185
Owners, total			3,446,806	3,707,501	3,691,868	3,673,792
Owning entire farm			3,025,931	3,159,088	3,174,109	3,153,839
Hiring additional land			420,875	548,413	517,759	519,953
Managers			57,261	56,560	66,223	40,038
Tenants, total			1,465,541	1,676,558	1,740,363	1,826,360
Share and share-cash			988,539	1,140,215	[1] 1,233,337	[2] 1,511,668
Cash and unspecified			477,002	536,343	[1] 457,026	[3] 314,692
Colored farmers, total			767,764	920,883	949,889	[5] 891,455
Owners, total			206,517	241,221	233,222	194,540
Owning entire farm			176,016	195,809	192,401	159,651
Hiring additional land			30,501	45,412	40,821	34,889
Managers			1,824	1,544	2,226	667
Tenants, total			559,423	678,118	714,441	636,248
Share and share-cash			284,760	388,174	[1] 523,297	[2] 557,488
Cash and unspecified			274,663	289,944	[1] 191,144	[3] 78,760
COLORED FARMERS, BY RACE						
Total			767,764	920,883	949,889	[5] 891,455
Negroes			746,715	893,370	925,708	([6])
Indians			19,910	24,251	16,680	([6])
Japanese			39	2,502	6,892	([6])
Chinese			1,100	760	609	([6])

[1] Share and share-cash tenants include croppers and cash tenants include standing renters reported in the Southern States in 1920.
[2] Includes all tenants except cash tenants.
[3] Cash tenants only.
[4] Includes the few colored farmers in the North and the West.
[5] South only.
[6] Not available.

Source: Bureau of the Census, Department of Commerce.

No. 587.—ACREAGE OF FARM LAND: BY SIZE OF FARM AND BY TENURE AND COLOR OF OPERATOR

[Acreage in thousands]

Size of farm, tenure, and color	Acreage				Per cent distribution			
	1900	1910	1920	1925	1900	1910	1920	1925
BY SIZE OF FARM								
All farm land, total	838, 592	878, 798	955, 884	924, 319	100. 0	100. 0	100. 0	100. 0
Under 20 acres	7, 181	8, 794	8, 689	10, 156	.9	1. 0	.9	1. 1
20 to 49 acres	41, 536	45, 378	48, 484	46, 406	5. 0	5. 2	5. 1	5. 0
50 to 99 acres	98, 592	103, 121	105, 631	101, 907	11. 8	11. 7	11. 1	11. 0
100 to 174 acres	192, 680	205, 481	194, 681	185, 710	23. 0	23. 4	20. 4	20. 1
175 to 499 acres	232, 955	265, 289	276, 807	258, 362	27. 8	30. 2	29. 0	28. 0
500 to 999 acres	67, 804	83, 653	100, 976	99, 230	8. 1	9. 5	10. 6	10. 7
1,000 acres and over	197, 784	167, 082	220, 036	222, 549	23. 6	19. 0	23. 1	24. 1
Improved farm land, total [1, 2]	414, 498	478, 452	503, 073	[3] *344, 549*	100. 0	100. 0	100. 0	[2] *100. 0*
Under 20 acres	6, 440	7, 992	7, 804	*7, 842*	1. 6	1. 7	1. 6	*2. 1*
20 to 49 acres	33, 001	36, 596	38, 508	*29, 384*	8. 0	7. 6	7. 7	*8. 5*
50 to 99 acres	67, 345	71, 155	72, 622	*50, 190*	16. 2	14. 9	14. 4	*14. 6*
100 to 174 acres	118, 391	128, 854	128, 201	*88, 503*	28. 6	26. 9	25. 5	*25. 7*
175 to 499 acres	135, 530	161, 776	170, 075	*117, 876*	32. 7	33. 8	33. 8	*34. 2*
500 to 999 acres	29, 475	40, 817	48, 135	*32, 557*	7. 1	8. 5	9. 6	*9. 4*
1,000 acres and over	24, 317	31, 263	37, 729	*18, 691*	5. 9	6. 5	7. 5	*5. 4*
BY TENURE								
All farm land, total	838, 592	878, 798	955, 884	924, 319	100. 0	100. 0	100. 0	*100. 0*
Owners	556, 040	598, 555	636, 775	616, 336	66. 3	68. 1	66. 6	66. 7
Owning entire farm	431, 261	464, 923	461, 250	419, 446	51. 4	52. 9	48. 3	45. 4
Hiring additional land	124, 779	133, 631	175, 525	196, 890	14. 9	15. 2	18. 4	21. 3
Managers	37, 518	53, 731	54, 129	43, 097	10. 4	6. 1	5. 7	4. 7
Tenants	195, 034	226, 513	264, 980	264, 887	23. 3	25. 8	27. 7	28. 7
Share	117, 710	123, 054	[3] 160, 723	[4] 210, 696	14. 0	14. 0	[3] 16. 8	[4] 22. 8
Share-cash		19, 390	24, 334			2. 2	2. 5	
Cash	77, 323	67, 847	[5] 71, 482	54, 190	9. 2	7. 7	[5] 7. 5	5. 9
Unspecified		16, 222	8, 441			1. 8	.9	
Improved farm land, total [2]	414, 498	478, 452	503, 073	[2] *344, 549*	100. 0	100. 0	100. 0	[2] *100. 0*
Owners	278, 231	309, 850	314, 107	*199, 402*	67. 1	64. 8	62. 4	*57. 9*
Owning entire farm	221, 489	233, 809	235, 132	*138, 650*	53. 4	48. 9	46. 7	*40. 2*
Hiring additional land	56, 742	76, 042	78, 975	*60, 752*	13. 7	15. 9	15. 7	*17. 6*
Managers	10, 910	12, 314	13, 211	*5, 299*	2. 6	2. 6	2. 6	*1. 5*
Tenants	125, 358	156, 287	175, 755	*139, 842*	30. 2	32. 7	34. 9	*40. 6*
Share	82, 773	89, 738	[3] 112, 880	[4] *120, 645*	20. 0	18. 8	[3] 22. 4	[4] *35. 0*
Share-cash		15, 924	19, 933			3. 3	4. 0	
Cash	42, 584	41, 566	[5] 38, 386	*19, 198*	10. 3	8. 7	[5] 7. 6	*5. 6*
Unspecified		9, 059	4, 555			1. 9	.9	
BY COLOR OF FARMER								
All farm land, total	835, 592	878, 798	955, 884	924, 319	100. 0	100. 0	100. 0	100. 0
White farmers	796, 826	832, 166	910, 039	[6]	95. 0	94. 7	95. 3	[6]
Colored farmers	41, 766	46, 632	44, 945	[6]	5. 0	5. 3	4. 7	[6]
Improved farm land, total [2]	414, 498	478, 452	503, 073	[2] *344, 549*	100. 0	100. 0	100. 0	*100. 0*
White farmers	390, 201	449, 418	473, 775	[6]	94. 1	93. 9	94. 2	[6]
Colored farmers	24, 297	29, 033	29, 298	[6]	5. 9	6. 1	5. 8	[6]

[1] The classification by size in this section of the table, as in the preceding section, is based on the entire area of each farm.
[2] Data for improved land are not available for 1925 (see headnote, Table 578). All data shown for 1925 under improved land represent crop land harvested, 1924.
[3] Includes croppers reported in Southern States only.
[4] Includes all tenants except cash tenants.
[5] Includes standing renters.
[6] Not available.

Source: Bureau of the Census, Department of Commerce.

No. 588.—NUMBER OF FARMS: BY TENURE AND BY STATES

NOTE.—Total number of farms (all tenures combined) in Table 581. Acreage by tenure in Table 589

Division and State	Number of farms operated by—								
	Owners			Managers			Tenants		
	1910	1920	1925	1910	1920	1925	1910	1920	1925
United States	3,948,722	3,925,090	3,868,382	58,104	68,449	40,700	2,354,678	2,454,804	2,462,608
New England	188,408	140,160	148,159	5,379	4,802	2,462	15,015	11,602	8,608
Maine	56,454	45,437	47,984	999	786	350	2,563	2,004	1,699
New Hampshire	24,493	18,604	19,895	681	546	156	1,879	1,373	1,014
Vermont	28,065	25,121	24,889	636	568	307	4,008	3,386	2,590
Massachusetts	32,075	28,087	30,870	1,863	1,627	979	2,979	2,287	1,605
Rhode Island	4,087	3,245	3,263	251	205	176	954	633	472
Connecticut	23,234	19,665	21,258	949	1,070	494	2,632	1,919	1,488
Middle Atlantic	355,036	327,104	345,179	9,072	9,853	4,465	104,271	88,190	65,224
New York	166,674	151,717	159,949	4,051	4,376	2,261	44,872	37,102	26,544
New Jersey	24,133	21,889	24,535	1,060	987	413	8,204	6,826	4,723
Pennsylvania	164,229	153,498	163,695	3,961	4,490	1,791	51,105	44,262	34,957
East North Central	809,044	766,766	771,876	10,848	13,551	6,606	303,597	304,407	273,090
Ohio	192,104	177,986	181,317	2,753	3,065	1,090	77,188	75,644	62,206
Indiana	148,501	137,210	137,429	2,297	2,329	1,268	64,687	65,587	57,089
Illinois	145,107	132,574	129,074	2,386	3,411	1,877	104,379	101,196	94,650
Michigan	172,310	159,406	161,974	1,961	2,319	1,234	32,680	34,722	29,119
Wisconsin	151,022	159,610	162,052	1,451	2,427	1,137	24,654	27,258	20,936
West North Central	758,948	711,156	695,797	8,384	10,776	5,569	342,618	375,019	419,948
Minnesota	122,104	132,744	136,382	1,222	1,596	766	32,811	44,138	51,083
Iowa	133,003	121,888	116,444	1,926	2,487	1,650	82,115	89,064	95,396
Missouri	192,285	185,030	174,383	2,001	2,247	1,063	82,958	75,727	85,027
North Dakota	63,212	56,917	49,513	484	855	361	10,064	10,918	26,096
South Dakota	57,984	47,815	46,160	429	781	331	19,231	26,041	33,046
Nebraska	79,250	69,672	67,766	987	1,315	669	49,441	53,430	59,299
Kansas	111,108	97,090	95,149	1,335	1,495	729	65,398	66,701	70,001
South Atlantic	593,154	607,089	609,304	8,238	9,799	6,137	510,429	542,088	492,620
Delaware	6,178	6,010	6,515	123	144	74	4,535	3,986	3,068
Maryland	33,519	32,805	35,138	983	1,262	936	14,416	13,841	12,927
District of Columbia	118	100	81	15	19	19	84	85	39
Virginia	133,064	136,363	143,587	1,625	2,134	1,238	48,720	47,745	48,808
West Virginia	75,978	72,101	74,943	872	1,090	662	19,835	14,098	14,775
North Carolina	145,320	151,376	154,805	1,118	928	423	107,287	117,459	123,254
South Carolina	64,350	67,724	59,969	863	738	368	111,221	124,231	112,430
Georgia	93,628	102,123	88,680	1,419	1,655	1,407	190,980	206,954	159,009
Florida	35,399	38,487	45,586	1,275	1,829	1,010	13,342	13,689	12,621
East South Central	510,452	525,808	497,825	8,290	8,508	1,731	528,738	522,286	506,496
Kentucky	170,332	179,327	175,412	903	969	281	87,860	90,330	82,891
Tennessee	144,125	148,082	148,627	826	807	324	101,061	103,885	103,718
Alabama	103,929	107,089	92,948	646	741	448	153,326	148,269	144,235
Mississippi	92,066	91,310	80,808	825	989	678	181,491	179,802	175,742
West South Central	440,905	464,328	412,064	4,696	5,013	3,058	497,585	526,747	602,133
Arkansas	106,649	112,647	95,476	763	736	616	107,266	119,221	125,899
Louisiana	52,989	57,254	52,386	950	828	503	66,607	77,381	79,561
Oklahoma	85,404	93,217	81,226	651	935	494	104,137	97,836	115,498
Texas	195,863	201,210	182,976	2,332	2,514	1,445	219,575	232,309	281,225
Mountain	180,544	202,515	179,198	2,912	4,116	2,410	19,690	37,478	51,784
Montana	23,365	50,271	36,281	505	899	367	2,344	6,507	10,256
Idaho	27,169	34,647	30,195	450	758	511	3,188	6,701	9,886
Wyoming	9,779	13,403	12,545	311	377	191	897	1,963	2,776
Colorado	36,993	45,291	39,517	787	880	585	8,390	13,763	17,918
New Mexico	33,398	25,756	26,005	321	433	255	1,957	3,655	5,426
Arizona	8,203	7,869	8,179	163	305	296	861	1,801	2,327
Utah	19,762	22,579	23,013	194	296	90	1,720	2,787	2,899
Nevada	2,175	2,699	3,463	181	168	114	333	296	500
Pacific	151,933	180,144	215,330	5,225	7,033	8,262	32,733	46,987	41,325
Washington	47,505	52,701	60,389	961	1,168	935	7,726	12,419	11,943
Oregon	37,796	39,863	45,887	847	916	618	6,859	9,427	9,406
California	66,632	87,580	109,054	3,417	4,949	6,709	18,148	25,141	20,046

Source: Bureau of the Census, Department of Commerce.

No. 589.—FARM ACREAGE, TOTAL AND CROP LAND HARVESTED: BY TENURE AND BY STATES

NOTE.—For total farm acreage and total crop land harvested (all tenures combined) see Tables 580 and 581. Data for owners include land exclusively owned and the additional land rented and operated by the owner

[All figures are expressed in thousands of acres]

Division and State	All land in farms operated by—									Crop land harvested in 1924 on farms operated by—		
	Owners			Managers			Tenants			Owners	Managers	Tenants
	1910	1920	1925	1910	1920	1925	1910	1920	1925			
United States	598,555	636,775	616,336	53,731	54,129	43,097	226,513	264,960	264,887	199,408	5,299	139,842
New England	17,089	14,705	14,344	1,087	980	581	1,538	1,306	934	4,015	148	285
Maine	5,916	5,074	4,936	157	146	71	224	206	154	1,529	26	50
New Hampshire	2,864	2,296	2,109	210	154	58	176	153	90	488	12	23
Vermont	3,816	3,521	3,407	209	150	100	638	565	419	959	24	144
Massachusetts	2,348	2,022	2,051	331	313	212	202	159	104	549	49	27
Rhode Island	318	249	248	44	30	24	81	53	37	55	6	8
Connecticut	1,832	1,543	1,593	137	187	116	217	169	123	434	31	32
Middle Atlantic	30,283	29,019	29,464	1,714	1,923	910	11,194	9,631	7,117	12,582	353	3,547
New York	15,825	15,084	15,459	838	932	496	5,367	4,616	3,315	6,559	171	1,561
New Jersey	1,563	1,425	1,404	227	208	68	784	649	452	647	31	230
Pennsylvania	12,896	12,510	12,600	648	782	346	5,043	4,366	3,350	5,376	152	1,756
East North Central	80,234	76,518	75,580	2,354	2,867	1,651	35,341	38,350	35,521	36,732	738	21,644
Ohio	16,032	15,000	15,083	505	562	266	7,569	7,954	6,870	6,802	116	3,785
Indiana	13,939	12,870	12,667	483	473	288	6,877	7,720	6,961	6,298	148	4,170
Illinois	17,787	16,265	15,798	558	713	450	14,177	14,997	14,485	9,335	255	10,165
Michigan	15,107	14,541	14,470	453	588	369	3,381	3,904	3,197	6,753	112	1,636
Wisconsin	17,369	17,841	17,562	355	532	279	3,336	3,775	4,010	7,543	107	1,888
West North Central	164,790	168,570	155,780	5,005	6,079	3,497	62,353	82,324	88,805	76,222	1,068	53,689
Minnesota	20,669	21,014	20,186	414	443	224	6,593	8,765	9,649	11,355	117	6,457
Iowa	20,214	18,051	17,092	491	569	300	13,226	14,855	15,799	10,479	211	10,777
Missouri	25,189	24,687	22,733	630	664	350	8,772	9,423	9,559	8,912	113	4,695
North Dakota	23,587	26,850	23,523	477	811	271	4,363	8,553	10,533	13,187	152	6,539
South Dakota	19,315	24,109	20,937	635	890	771	6,067	9,577	10,310	9,211	109	6,473
Nebraska	26,976	26,422	25,555	1,095	1,480	776	10,552	14,323	15,693	10,707	196	8,907
Kansas	28,840	27,377	25,753	1,264	1,221	714	13,281	16,827	17,263	12,371	169	9,841
South Atlantic	69,130	61,798	68,301	3,364	4,402	3,511	31,288	31,575	26,758	14,162	626	12,424
Delaware	477	451	465	21	21	16	541	472	418	198	8	198
Maryland	2,905	2,751	2,674	207	259	182	1,945	1,748	1,577	1,012	75	691
Dist. of Columbia	2	2	1	1	2	2	2	2	1	1	1	(1)
Virginia	14,715	13,761	13,311	660	824	514	4,120	3,976	3,385	2,892	99	977
West Virginia	8,184	7,813	7,483	285	356	211	1,558	1,400	1,286	1,381	41	254
North Carolina	15,656	13,442	12,553	582	386	232	6,200	6,194	5,829	2,960	36	2,579
South Carolina	8,052	6,717	5,987	547	425	293	4,913	5,285	4,359	1,681	42	2,588
Georgia	14,851	12,801	11,889	779	926	800	11,323	11,714	9,257	3,086	224	4,817
Florida	4,287	4,060	3,958	281	1,202	1,260	686	784	647	951	100	318
East South Central	57,132	54,022	49,049	1,603	1,529	923	22,785	23,347	20,635	11,859	187	11,950
Kentucky	17,403	16,792	15,829	315	270	137	4,411	4,551	3,947	3,575	23	1,586
Tennessee	14,673	13,779	13,025	335	221	124	5,034	5,511	4,751	3,638	30	2,542
Alabama	13,280	12,117	10,086	367	455	245	7,085	7,004	6,408	2,631	55	3,955
Mississippi	11,716	11,334	10,108	587	583	416	6,255	6,280	5,529	2,015	79	3,567
West South Central	104,353	104,781	97,711	19,698	16,511	11,998	45,098	52,157	55,305	23,317	545	23,473
Arkansas	12,390	11,810	10,027	328	352	318	4,698	5,295	5,287	2,962	94	3,171
Louisiana	6,766	6,255	5,624	986	900	590	2,687	2,864	2,624	1,494	169	1,822
Oklahoma	15,997	18,472	15,609	429	926	1,327	12,434	12,554	13,933	6,877	81	7,590
Texas	69,201	68,244	66,451	17,955	14,333	9,762	25,279	31,444	33,461	10,984	201	15,890
Mountain	42,286	90,869	98,542	11,004	12,974	14,047	6,264	13,475	19,100	14,108	610	4,988
Montana	10,641	28,953	25,365	1,430	2,360	1,912	1,475	3,258	5,459	4,825	153	1,430
Idaho	4,446	6,799	6,185	270	386	272	567	1,191	1,659	1,843	62	674
Wyoming	5,153	9,360	15,062	2,863	1,466	1,939	527	984	1,662	1,222	65	285
Colorado	10,135	18,622	17,387	1,140	1,596	1,285	2,257	4,244	5,496	3,789	143	2,017
New Mexico	7,096	17,854	19,800	3,196	3,863	4,733	978	2,693	3,317	987	47	313
Arizona	875	3,820	7,580	265	1,391	2,515	107	592	970	251	87	119
Utah	2,888	4,063	4,469	315	616	184	194	372	347	891	14	119
Nevada	1,032	1,420	2,693	1,524	796	1,208	158	141	190	301	39	23
Pacific	33,277	36,473	37,566	7,900	6,865	5,930	10,152	12,815	10,713	7,412	1,024	3,142
Washington	9,115	9,260	9,042	629	541	360	2,068	3,444	3,208	2,099	105	1,059
Oregon	9,036	10,017	10,853	766	838	901	1,883	2,687	2,377	1,844	81	667
California	15,125	17,196	17,672	6,605	5,485	4,718	6,201	6,684	5,127	3,468	838	1,417

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 590.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACREAGE OPERATED BY TENANTS: BY STATES

Division and State	Per cent of total operated by tenants										
	Number of farms			All land in farms			Improved land in farms		Crop land harvested, 1924	Related to landlord, 1925	
	1910	1920	1925	1910	1920	1925	1910	1920		Cash	Other
United States	37.0	38.1	38.6	25.8	27.7	28.7	32.7	34.9	40.6	[1] 26.6	[1] 29.1
New England	8.0	7.4	5.6	7.8	7.7	5.9	8.5	8.4	6.4	16.0	30.9
Maine	4.3	4.2	3.4	3.6	3.8	3.0	3.6	3.8	3.1	16.3	41.1
New Hampshire	6.9	5.7	4.8	5.4	5.9	4.2	6.1	6.5	4.5	12.7	44.2
Vermont	12.3	11.6	9.3	13.7	13.3	10.7	15.9	14.7	12.7	19.2	27.4
Massachusetts	8.1	7.1	4.8	7.0	6.4	4.4	7.1	6.6	4.3	15.8	25.5
Rhode Island	18.0	15.5	12.1	18.2	15.9	12.1	19.3	16.0	12.1	14.7	40.5
Connecticut	9.8	8.5	6.4	9.9	8.9	6.7	10.1	8.9	6.5	15.5	27.9
Middle Atlantic	22.3	20.7	15.8	25.9	23.7	19.0	27.7	25.4	21.5	20.4	28.2
New York	20.8	19.2	14.1	24.4	22.4	17.2	25.6	23.5	18.8	21.7	28.7
New Jersey	24.8	23.0	15.9	30.4	28.5	23.5	32.3	31.0	25.3	15.5	25.0
Pennsylvania	23.3	21.9	17.4	27.1	24.7	20.6	29.4	26.8	24.1	20.1	28.3
East North Central	27.0	28.1	26.0	30.0	32.6	31.5	32.6	35.2	36.6	30.8	32.8
Ohio	28.4	29.5	25.5	31.4	33.8	30.9	32.0	34.5	35.4	26.8	33.3
Indiana	30.0	32.0	29.2	32.3	36.7	35.0	33.3	37.8	39.3	27.7	32.3
Illinois	41.4	42.7	42.0	43.6	46.9	47.1	44.9	48.0	51.5	32.1	31.2
Michigan	15.8	17.7	15.1	17.8	20.5	17.7	19.3	21.7	19.2	23.9	33.3
Wisconsin	13.9	14.4	15.5	15.8	17.0	18.4	17.9	18.6	19.8	40.6	39.1
West North Central	30.9	34.2	37.8	27.0	32.0	35.8	30.6	35.8	41.0	31.1	29.0
Minnesota	21.0	24.7	27.1	23.8	29.0	32.1	26.5	32.3	36.0	35.0	30.0
Iowa	37.8	41.7	44.7	39.0	44.4	47.5	39.6	44.9	50.2	36.0	32.4
Missouri	29.9	28.8	32.6	25.4	27.1	29.3	26.4	27.9	34.2	20.4	22.8
North Dakota	14.3	25.6	34.4	15.3	23.6	30.7	18.0	27.0	32.9	18.0	20.9
South Dakota	24.8	34.9	41.5	23.3	27.7	32.2	30.1	35.4	41.0	27.5	26.9
Nebraska	38.1	42.9	46.4	27.3	33.9	37.3	34.3	41.1	45.0	33.5	34.7
Kansas	36.8	40.4	42.2	30.6	37.0	39.5	33.8	39.7	44.0	24.2	31.8
South Atlantic	45.9	46.8	44.5	30.1	32.3	30.2	38.0	39.2	45.7	[2]	[2]
Delaware	41.9	39.3	35.8	52.1	49.9	46.5	52.4	51.2	49.1	[2]	[2]
Maryland	29.5	28.9	26.4	38.5	36.7	35.6	40.0	38.5	38.9	[2]	[2]
District of Columbia	38.7	41.7	28.1	35.9	35.1	21.2	34.0	33.5	19.6	[2]	[2]
Virginia	26.5	25.6	25.2	21.1	21.4	19.7	21.1	21.2	24.6	[2]	[2]
West Virginia	20.5	16.2	10.3	15.5	14.6	14.3	14.2	13.6	15.1	[2]	[2]
North Carolina	42.3	43.5	45.2	27.6	30.9	31.3	35.3	38.1	46.3	[2]	[2]
South Carolina	63.0	64.5	65.1	36.4	42.5	41.0	51.7	55.7	60.0	[2]	[2]
Georgia	65.6	66.6	63.8	42.0	46.0	42.2	57.9	58.4	59.3	[2]	[2]
Florida	26.7	25.3	21.3	13.1	13.0	11.0	24.5	22.8	23.2	[2]	[2]
East South Central	50.7	49.7	50.3	28.0	29.6	29.2	38.4	36.0	49.2	[2]	[2]
Kentucky	33.9	33.4	32.0	19.9	21.1	19.8	21.5	22.3	30.6	[2]	[2]
Tennessee	41.1	41.1	41.0	25.1	28.2	26.5	30.4	31.9	40.9	[2]	[2]
Alabama	60.2	57.9	60.7	34.2	35.8	38.3	51.1	47.7	59.6	[2]	[2]
Mississippi	66.1	66.1	68.3	33.7	34.5	34.4	51.3	48.8	63.0	[2]	[2]
West South Central	52.8	52.9	59.2	26.7	30.1	33.5	44.5	45.3	55.5	[2]	[2]
Arkansas	50.0	51.3	56.7	27.0	30.3	33.8	39.0	40.5	50.9	[2]	[2]
Louisiana	55.3	57.1	60.1	25.7	28.6	29.7	37.8	40.6	52.3	[2]	[2]
Oklahoma	54.8	51.0	58.6	43.1	39.3	45.1	45.9	44.4	52.2	[2]	[2]
Texas	52.6	53.3	60.4	22.5	27.6	30.5	46.6	48.1	58.7	[2]	[2]
Mountain	10.7	15.4	22.2	10.5	11.5	14.5	14.4	16.5	25.3	11.3	15.9
Montana	8.9	11.3	21.9	10.9	9.3	16.7	10.6	12.7	22.4	10.8	12.4
Idaho	10.3	15.9	24.4	10.7	14.2	20.4	13.8	17.4	26.1	12.6	18.2
Wyoming	8.2	12.5	17.9	6.2	8.3	8.9	10.0	13.8	18.1	10.9	12.7
Colorado	18.2	23.0	30.9	16.7	17.4	22.7	25.2	24.1	33.9	11.1	14.9
New Mexico	5.5	12.2	17.1	8.7	11.0	11.9	6.4	14.4	23.2	7.2	14.8
Arizona	9.3	18.1	21.5	8.6	10.2	8.8	17.1	21.3	26.0	5.8	12.1
Utah	7.9	10.9	11.1	5.7	7.4	6.9	7.3	10.4	11.7	20.0	30.4
Nevada	12.4	9.4	7.9	5.8	6.0	4.6	7.4	9.0	6.2	14.6	18.8
Pacific	17.2	20.1	15.6	19.8	22.8	19.7	25.6	29.7	27.1	10.8	20.9
Washington	13.7	18.7	16.3	17.7	26.0	25.4	22.8	32.9	32.5	11.3	27.1
Oregon	15.1	18.8	16.8	16.1	19.8	16.8	23.4	26.1	25.7	16.3	27.8
California	20.6	21.4	14.7	22.2	22.8	18.6	28.1	29.2	24.8	7.9	13.8

[1] For Northern and Western States only. [2] Not available.

Source: Bureau of the Census, Department of Commerce.

No. 591.—NUMBER OF FARMS IN THE SOUTH: BY COLOR AND TENURE OF OPERATOR, 1925

	Total	Full owners	Part owners	Managers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White	2,299,963	1,173,778	150,875	10,259	965,051	103,854	278,736	582,461
Colored	831,455	159,651	34,889	667	636,248	78,760	344,322	213,166
South Atlantic:								
White	782,003	471,040	41,095	5,720	264,148	36,230	90,643	137,275
Colored	326,068	78,941	18,223	417	228,472	25,841	119,767	82,864
Delaware—								
White	9,426	5,985	168	64	3,209	402	80	2,727
Colored	831	334	28	10	459	30	61	359
Maryland—								
White	42,280	30,060	972	831	10,417	1,608	852	7,957
Colored	6,721	3,711	395	105	2,510	253	613	1,644
District of Columbia—								
White	130	69	7	18	36	33		3
Colored	9	5		1	3	2		1
Virginia—								
White	143,575	101,602	8,842	1,102	31,970	4,607	8,672	18,691
Colored	30,147	28,515	4,628	76	16,928	1,643	6,991	8,294
West Virginia—								
White	89,666	69,699	4,709	657	14,601	6,056	1,209	7,336
Colored	714	504	31	5	174	77	17	80
North Carolina—								
White	202,516	117,235	15,439	403	69,389	4,888	21,940	42,561
Colored	80,966	15,325	6,756	20	58,865	2,632	30,479	25,754
South Carolina—								
White	82,186	37,925	3,676	334	40,251	5,012	13,993	21,246
Colored	90,581	14,476	3,892	34	72,179	11,389	32,368	28,422
Georgia—								
White	165,018	71,076	5,857	1,283	86,802	11,290	41,142	34,364
Colored	84,077	10,032	1,715	124	72,206	7,722	47,613	16,871
Florida—								
White	47,205	37,330	1,425	968	7,473	2,328	2,755	2,390
Colored	12,012	6,039	783	42	5,148	2,084	1,625	1,439
East South Central:								
White	725,225	398,213	51,403	1,607	274,002	34,614	90,230	149,158
Colored	280,827	38,928	9,281	124	232,494	44,231	128,147	60,116
Kentucky—								
White	247,807	151,195	19,293	265	77,054	7,022	21,963	48,069
Colored	10,717	3,818	1,130	16	5,747	146	3,851	1,750
Tennessee—								
White	218,022	121,219	18,191	306	78,306	7,784	25,725	44,797
Colored	34,647	7,086	2,131	18	25,412	2,658	14,848	7,906
Alabama—								
White	152,310	68,329	9,895	390	73,696	13,900	25,127	34,669
Colored	83,321	10,953	3,771	58	70,539	28,403	25,296	16,840
Mississippi—								
White	107,086	57,470	4,024	646	44,946	5,908	17,415	21,623
Colored	150,142	17,071	2,243	32	130,796	13,024	84,152	33,620
West South Central:								
White	792,735	304,525	58,377	2,932	426,901	33,010	97,803	296,028
Colored	224,570	41,782	7,380	126	175,282	8,688	96,408	70,186
Arkansas—								
White	158,708	72,045	12,368	577	73,718	6,386	20,429	46,903
Colored	63,283	9,495	1,568	39	52,181	2,692	35,322	14,167
Louisiana—								
White	72,937	39,419	3,307	473	29,648	4,428	9,073	16,147
Colored	59,513	8,494	1,076	30	49,913	4,314	25,001	20,598
Oklahoma—								
White	177,170	53,152	19,386	482	104,150	11,958	10,209	81,983
Colored	20,048	7,612	1,076	12	11,348	603	2,920	7,825
Texas—								
White	383,920	136,909	23,226	1,400	219,385	10,238	58,152	150,995
Colored	81,726	16,181	3,660	45	61,840	1,079	33,165	27,596

Source: Bureau of the Census, Department of Commerce.

No. 592.—NUMBER AND ACREAGE OF FARMS: BY COLOR AND NATIVITY OF OPERATOR AND BY STATES

NOTE.—For comparable statistics for 1925 for the South (all that are available) see Table 591. For total number of farms and acreage of all land in farms see Table 581.

Division and State	Number of farms operated by—						All land (thousands of acres) in farms operated by—		
	Native white farmers		Foreign-born white farmers		Colored farmers		Native white farmers, 1920	Foreign-born white farmers, 1920	Colored farmers, 1920
	1910	1920	1910	1920	1910	1920			
United States	4,771,063	4,917,388	669,556	581,068	920,883	949,889	798,767	111,173	44,945
New England	161,009	128,028	27,451	28,265	342	271	14,577	2,393	21
Maine	55,014	43,330	4,973	4,384	29	13	4,960	455	1
New Hampshire	24,347	17,890	2,691	2,619	15	14	2,336	206	1
Vermont	28,968	25,280	3,721	3,767	20	28	3,674	557	4
Massachusetts	28,431	22,950	8,362	8,930	124	121	1,909	520	6
Rhode Island	4,408	3,123	843	940	41	20	277	54	1
Connecticut	19,841	14,955	6,861	7,625	113	75	1,361	531	7
Middle Atlantic	419,342	376,701	47,076	46,910	1,961	1,536	36,926	3,551	96
New York	187,629	166,869	27,029	25,776	939	550	18,344	2,246	43
New Jersey	26,706	22,555	6,215	6,012	476	535	1,929	328	26
Pennsylvania	204,917	187,277	13,832	14,522	546	451	16,653	977	27
East North Central	929,619	935,492	189,153	144,775	5,717	4,477	103,222	14,236	278
Ohio	252,645	241,075	17,450	14,094	1,950	1,616	22,463	953	100
Indiana	204,951	198,156	9,729	6,398	805	572	20,405	621	37
Illinois	217,053	214,177	33,394	22,111	1,425	893	20,140	2,777	58
Michigan	147,790	147,450	58,224	48,264	946	733	14,710	4,274	49
Wisconsin	107,180	134,634	69,356	53,998	591	663	15,504	5,610	34
West North Central	630,642	683,309	289,442	206,223	9,864	6,919	201,589	53,372	1,512
Minnesota	74,710	110,966	81,134	67,305	293	207	19,362	10,839	20
Iowa	167,856	181,109	48,987	32,221	201	109	28,405	5,061	9
Missouri	259,111	251,835	14,467	8,343	3,066	2,826	33,472	1,112	190
North Dakota	35,750	40,899	37,867	36,248	743	513	19,304	16,634	186
South Dakota	49,360	52,700	25,476	20,325	2,808	1,612	25,373	8,413	850
Nebraska	93,509	99,441	35,707	24,592	462	384	35,198	6,961	67
Kansas	150,346	146,359	25,804	17,189	1,691	1,238	40,384	4,352	89
South Atlantic	748,378	767,771	7,141	7,373	355,862	383,332	78,825	725	13,225
Delaware	9,504	8,905	410	363	922	872	861	28	55
Maryland	40,669	40,130	1,882	1,560	6,372	6,209	4,278	129	352
District of Columbia	168	153	37	31	12	20	5	(1)	(1)
Virginia	134,155	136,874	1,749	1,582	48,114	47,786	16,085	213	2,263
West Virginia	95,138	86,033	839	752	703	504	9,480	62	28
North Carolina	187,657	193,081	412	302	65,656	76,290	16,533	46	3,437
South Carolina	79,424	83,542	212	141	90,798	109,010	8,010	37	4,389
Georgia	168,083	180,217	385	328	122,559	130,187	18,297	73	7,072
Florida	34,080	38,830	1,215	2,215	14,721	12,954	5,272	137	633
East South Central	712,443	740,862	4,819	3,506	325,218	307,232	66,455	329	12,114
Kentucky	245,499	256,886	1,950	1,112	11,730	12,628	21,088	98	427
Tennessee	206,821	213,832	853	760	38,308	38,182	17,920	67	1,624
Alabama	151,214	159,865	1,244	1,031	110,443	95,203	15,143	85	4,348
Mississippi	108,909	110,279	736	603	164,737	161,219	12,304	79	5,815
West South Central	692,624	724,301	41,501	32,937	209,061	231,860	155,100	7,369	10,980
Arkansas	148,627	153,273	2,458	2,049	63,503	72,282	14,606	226	2,625
Louisiana	63,236	71,081	2,431	2,323	54,879	62,059	7,604	173	2,183
Oklahoma	161,773	167,472	7,743	5,791	20,671	18,725	28,870	1,369	1,713
Texas	318,988	327,475	28,864	22,774	69,918	78,784	103,960	5,602	4,459
Mountain	143,991	197,678	31,427	40,984	8,028	5,447	99,284	17,056	997
Montana	18,165	41,051	6,853	15,563	1,196	1,063	25,960	8,450	652
Idaho	24,694	35,284	5,708	6,314	405	508	7,167	1,161	48
Wyoming	9,019	13,306	1,903	2,273	65	169	10,694	1,692	23
Colorado	37,198	49,346	8,398	9,535	574	553	21,494	2,881	37
New Mexico	32,088	26,593	1,440	1,376	2,148	1,875	22,883	1,463	64
Arizona	5,218	8,262	806	1,067	3,203	646	5,311	431	60
Utah	15,948	21,276	5,452	3,972	276	414	4,532	468	51
Nevada	1,661	2,060	867	884	161	219	1,844	501	12
Pacific	132,515	162,744	52,546	68,095	4,830	8,325	43,789	11,642	722
Washington	37,770	45,265	17,297	19,757	1,125	1,266	10,237	2,906	101
Oregon	35,819	40,484	9,056	9,149	627	573	11,432	2,010	100
California	58,926	76,995	26,193	34,189	3,078	6,486	22,119	6,725	521

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 593.—NUMBER AND ACREAGE OF FARMS: By Color, Nativity, and Tenure of Operator, United States and Certain Regions and Divisions

Note.—For total number of farms (all tenures combined) see Table 581; for number of farms, by color and nativity of farmer (all tenures combined), see Table 592. The "North" includes New England, Middle Atlantic, East and West North Central divisions; the "South," the three subdivisions listed below it

Division and color and nativity	Number of farms operated by—				All land (thousands of acres) in farms operated by—			Improved land (thousands of acres) in farms operated by—		
	Owners and managers		Tenants		All farmers, 1920	Owners and managers, 1920	Tenants, 1920	All farmers, 1920	Owners and managers, 1920	Tenants, 1920
	1910	1920	1910	1920						
United States	4,006,826	3,993,539	2,354,676	2,454,804	955,884	690,904	264,980	503,073	327,318	175,755
Native white	3,212,671	3,286,556	1,558,392	1,630,830	799,767	583,464	216,304	411,266	271,155	140,111
Foreign-born white	551,390	471,535	118,166	109,533	111,172	90,261	20,911	62,508	47,883	14,625
Colored	242,765	235,448	678,118	714,441	44,945	17,180	27,765	29,298	8,280	21,019
The North	2,125,117	1,984,188	765,501	779,218	432,272	300,661	131,611	291,966	192,325	99,641
Native white	1,669,820	1,622,968	670,792	701,062	356,514	239,750	116,564	242,571	154,382	88,189
Foreign-born white	442,094	351,804	90,028	74,369	74,051	59,371	14,681	48,610	37,402	11,208
Colored	13,203	9,416	4,681	3,787	1,906	1,540	366	785	541	244
The South	1,560,795	1,615,543	1,536,752	1,591,121	350,122	243,043	107,079	157,080	93,040	64,040
Native white	1,304,650	1,364,289	849,295	868,645	300,381	222,005	78,376	125,682	83,210	42,472
Foreign-born white	36,478	31,895	16,983	18,921	8,423	6,594	1,829	3,654	2,433	1,221
Colored	219,667	219,359	670,474	703,555	41,318	14,444	26,874	27,744	7,396	20,347
South Atlantic	601,452	616,888	510,429	542,088	97,775	66,200	31,575	48,510	29,499	19,011
Native white	492,466	506,722	256,412	261,049	78,825	59,891	18,934	36,743	26,404	10,340
Foreign-born white	6,305	6,546	836	827	725	645	80	313	280	33
Colored	102,681	103,620	253,181	280,212	18,225	5,664	12,561	11,454	2,816	8,638
East South Central	513,742	529,314	528,738	522,286	78,897	55,550	23,347	44,380	28,415	15,965
Native white	450,793	470,492	261,650	270,370	60,455	51,238	15,217	35,661	26,234	9,427
Foreign-born white	3,963	2,875	859	631	329	203	36	177	153	25
Colored	58,986	55,947	266,232	251,285	12,114	4,019	8,095	8,542	2,028	6,513
West South Central	445,601	469,341	497,585	526,747	173,449	121,292	52,157	64,190	35,125	29,064
Native white	361,891	387,075	331,233	337,226	155,100	110,875	44,224	53,278	30,572	22,706
Foreign-born white	26,210	22,474	15,291	17,463	7,369	5,656	1,714	3,104	2,001	1,103
Colored	58,000	59,792	151,061	172,058	10,980	4,761	6,219	7,748	2,552	5,196
Mountain	163,756	206,631	19,600	37,478	117,337	103,862	13,475	30,106	25,129	4,977
Native white	127,912	166,840	16,079	30,838	99,284	87,492	11,792	24,614	20,412	4,202
Foreign-born white	28,147	35,402	3,280	5,582	17,056	15,488	1,568	5,196	4,489	707
Colored	7,697	4,389	331	1,058	997	882	116	295	228	67
Pacific	157,158	187,177	32,733	46,987	56,153	43,338	12,815	23,922	16,825	7,097
Native white	110,289	132,459	22,226	30,285	43,789	34,216	9,572	18,399	13,152	5,247
Foreign-born white	44,671	52,434	7,875	10,661	11,642	8,808	2,834	5,048	3,559	1,489
Colored	2,198	2,284	2,632	6,041	722	313	409	474	114	360

Source: Bureau of the Census, Department of Commerce.

NO. 594.—VALUE OF FARM PROPERTY: BY SIZE AND TENURE OF FARM, 1925

Division	Total, all farms	Farms of specified size— Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
	Value of land and buildings (millions of dollars)							
United States	49,468	2,484	4,263	7,404	13,038	15,838	3,336	3,105
New England	906	121	137	184	213	204	31	14
Middle Atlantic	2,800	292	357	723	844	617	51	15
East North Central	11,024	356	702	2,231	3,816	3,602	265	52
West North Central	10,531	239	365	1,242	4,757	7,728	1,535	665
South Atlantic	4,099	381	752	865	832	861	224	184
East South Central	2,481	221	487	536	525	509	124	79
West South Central	4,959	160	539	839	1,217	1,134	347	724
Mountain	2,173	84	133	206	305	521	340	586
Pacific	4,495	631	791	576	529	762	420	786
	Value of buildings alone (millions of dollars)							
United States	11,747	1,013	1,283	2,264	3,313	3,079	505	290
New England	492	80	81	102	110	99	14	5
Middle Atlantic	1,407	181	192	380	435	253	20	5
East North Central	3,055	181	271	772	1,052	727	44	7
West North Central	3,228	117	120	337	1,019	1,331	228	75
South Atlantic	1,118	135	212	247	236	220	46	24
East South Central	653	78	133	150	139	117	24	12
West South Central	782	50	112	157	202	168	44	50
Mountain	334	32	30	37	51	80	45	58
Pacific	617	159	131	82	69	84	39	54
	Average value of land and buildings per farm (dollars)							
United States	7,764	2,570	2,939	5,210	9,422	16,806	23,192	49,025
New England	5,678	3,937	4,668	4,802	5,799	8,967	20,348	37,734
Middle Atlantic	6,684	3,923	5,000	6,149	7,780	11,439	35,962	53,488
East North Central	10,483	3,669	4,177	6,985	12,247	23,936	59,235	80,508
West North Central	14,875	3,980	4,063	7,282	13,544	21,259	26,086	38,410
South Atlantic	3,099	1,629	2,122	3,387	5,176	9,535	22,183	55,232
East South Central	2,466	983	1,408	2,410	3,797	7,047	20,448	40,386
West South Central	4,875	1,183	1,809	3,569	5,910	10,064	19,194	58,672
Mountain	9,310	3,138	4,940	7,477	7,559	8,389	10,651	32,405
Pacific	16,926	7,460	11,857	16,701	17,394	26,438	36,567	86,831

Division	Farms operated by— Full owners	Part owners	Cash tenants	Other tenants	Full owners	Part owners	Cash tenants	Other tenants
	Value of land and buildings (millions of dollars)				Value of implements and machinery (millions of dollars)			
United States	24,209	6,808	3,370	13,480	1,482.0	385.3	159.1	606.6
New England	748	40	29	22	69.9	4.4	2.1	1.9
Middle Atlantic	2,006	145	175	357	247.9	19.8	15.0	42.9
East North Central	5,450	1,347	721	3,298	327.7	68.9	33.1	130.4
West North Central	6,408	3,210	1,534	5,116	340.1	177.7	69.3	223.3
South Atlantic	2,534	190	162	1,018	131.2	11.1	6.6	40.6
East South Central	1,457	157	141	685	77.4	9.2	7.1	28.0
West South Central	1,963	551	221	2,049	112.5	30.8	9.5	95.1
Mountain	980	581	91	405	64.3	34.2	4.8	21.9
Pacific	2,572	576	207	531	111.1	29.4	11.7	22.4
	Average value of land and buildings per farm (dollars)				Average value of implements and machinery per farm (dollars)			
United States	7,308	12,270	8,565	6,515	447	694	404	293
New England	5,210	8,806	5,167	6,570	487	950	375	566
Middle Atlantic	6,041	8,999	7,907	8,089	746	1,229	682	972
East North Central	8,163	12,931	12,381	15,350	491	662	568	607
West North Central	12,849	17,823	16,193	15,732	673	987	732	687
South Atlantic	4,607	3,209	2,613	2,364	239	186	106	94
East South Central	3,334	2,592	1,783	1,601	177	151	91	66
West South Central	5,068	8,531	5,305	3,656	325	468	227	170
Mountain	7,165	13,709	8,309	9,911	470	806	439	537
Pacific	13,246	26,486	15,401	23,986	572	1,352	605	1,012

Source: Bureau of the Census, Department of Commerce.

No. 595.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

Item	1890 [1]	1900 [1]	1910	1920	1925
FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR					
Total number	3,142,746	3,638,403	3,948,722	3,925,090	3,863,332
Reported as free from mortgage	2,228,806	2,419,180	2,588,596	2,074,325	(2)
Reported as mortgaged	874,215	1,093,164	1,312,034	1,461,308	1,395,026
Unknown (no report)	39,725	126,059	48,092	389,459	(2)
Per cent of total—					
Free from mortgage	70.9	66.5	65.6	52.8	(2)
Reporting mortgage debt	27.8	30.0	33.2	37.2	36.1
Unknown (no report)	1.3	3.5	1.2	9.9	(2)
FARMS OWNED WHOLLY BY THE OPERATOR					
Total number	(2)	3,201,947	3,354,897	3,366,510	3,313,490
Number reporting amount of mortgage debt	[3] 886,957	(2)	1,006,511	1,193,047	1,128,207
Per cent of total	(2)	(2)	30.0	35.4	34.0
Value of land and buildings.....1,000 dollars	(2)	9,129,328	17,310,639	30,710,721	24,208,740
Ratio of mortgage debt to value....per cent	(2)	(2)	10.0	13.0	18.7
Reporting mortgage debt:					
Total number	[3] 886,957	(2)	1,006,511	1,193,047	1,128,207
Value of land and buildings....1,000 dollars	[3] 3,054,923	(2)	6,330,237	13,775,500	10,790,244
Amount of mortgage debt.....do	[3] 1,085,996	(2)	1,726,173	4,003,767	4,517,259
Ratio of mortgage debt to value .....per cent	[3] 35.5	(2)	27.3	29.1	41.9
Average per mortgaged farm—					
Value of land and buildings.....dollars	[3] 3,444	(2)	6,289	11,546	9,564
Amount of mortgage debt.....do	[3] 1,224	(2)	1,715	3,356	4,004
Equity owned.....do	[3] 2,220	(2)	4,574	8,191	5,560

[1] Farm homes occupied by their owners.
[2] Not available.
[3] Estimated totals for owned farm homes mortgaged, estimates being made for farms with defective reports.

No. 596.—FARMS OWNED WHOLLY BY OPERATOR AND REPORTING MORTGAGE DEBT: NUMBER, ACREAGE, VALUE, AND MORTGAGE DEBT, BY SIZE OF FARM, 1925

Item	United States	Item	United States	Item	United States
Number of farms	1,128,207	**Value of land and buildings 1,000 dollars—Contd.**		**Ratio of debt to value per cent—Contd.**	
Under 3 acres	3,060	175 to 259 acres	1,474,677	500 to 999 acres	39.7
3 to 9 acres	53,121	260 to 499 acres	1,610,742	1,000 acres and over	36.9
10 to 19 acres	59,725	500 to 999 acres	641,832	**Value per acre**	
20 to 49 acres	187,911	1,000 acres and over	512,448	dollars	62.67
50 to 99 acres	267,024			Under 3 acres	4,061.14
100 to 174 acres	299,335	**Amount of mortgage debt 1,000 dollars**	4,517,259	3 to 9 acres	916.37
175 to 259 acres	99,118			10 to 19 acres	468.10
260 to 499 acres	90,162	Under 3 acres	6,812	20 to 49 acres	152.45
500 to 999 acres	27,549	3 to 9 acres	101,391	50 to 99 acres	86.25
1,000 acres and over	11,202	10 to 19 acres	129,752	100 to 174 acres	74.41
		20 to 49 acres	380,395	175 to 259 acres	70.24
Acreage in farms	172,182,318	50 to 99 acres	798,502	260 to 499 acres	52.05
Under 3 acres	4,879	100 to 174 acres	1,327,265	500 to 999 acres	34.42
3 to 9 acres	300,643	175 to 259 acres	642,644	1,000 acres and over	16.20
10 to 19 acres	779,216	260 to 499 acres	686,290		
20 to 49 acres	6,522,903	500 to 999 acres	254,994	**Mortgage debt per acre** dollars	28.24
50 to 99 acres	21,854,189	1,000 acres and over	189,215	Under 3 acres	1,396.10
100 to 174 acres	40,383,565			3 to 9 acres	337.25
175 to 259 acres	20,993,502	**Ratio of debt to value** per cent	41.9	10 to 19 acres	166.52
260 to 499 acres	31,058,620			20 to 49 acres	58.32
500 to 999 acres	18,647,691	Under 3 acres	34.4	50 to 99 acres	36.54
1,000 acres and over	31,636,950	3 to 9 acres	36.8	100 to 174 acres	32.87
		10 to 19 acres	35.6	175 to 259 acres	30.61
Value of land and buildings 1,000 dollars	10,790,244	20 to 49 acres	38.3	260 to 499 acres	22.10
		50 to 99 acres	42.4	500 to 999 acres	13.67
Under 3 acres	19,814	100 to 174 acres	44.2	1,000 acres and over	5.98
3 to 9 acres	275,499	175 to 259 acres	43.6		
10 to 19 acres	364,751	260 to 499 acres	42.4		
20 to 49 acres	994,394				
50 to 99 acres	1,884,952				
100 to 174 acres	3,005,134				

Source of Tables 595 and 596: Bureau of the Census, Department of Commerce.

No. 597.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR: BY STATES

NOTE.—The number of all owned farms includes farms with mortgage status not reported, which constituted only 1.2 per cent in 1910 and 9.9 per cent in 1920. The 1925 schedule called only for the amount of mortgages on farms; therefore the percentage for 1925 is not available

Division and State	All owned farms (number)			Free from mortgage (number)		Mortgaged (number)		
	1910	1920	1925	1910	1920	1910	1920	1925
United States	3,948,722	3,925,090	3,868,332	2,588,596	2,074,325	1,312,034	1,461,306	1,395,026
New England	168,408	140,160	148,159	108,938	80,412	58,474	53,138	49,864
Maine	56,454	45,437	47,084	41,309	30,665	14,948	13,023	11,925
New Hampshire	24,493	18,604	19,895	18,119	11,992	6,234	5,389	4,716
Vermont	28,065	25,121	24,869	14,851	12,132	13,140	12,225	10,850
Massachusetts	32,075	28,087	30,870	18,768	14,055	13,014	12,632	12,248
Rhode Island	4,087	3,245	3,263	2,811	1,971	1,180	949	945
Connecticut	23,234	19,666	21,258	13,080	9,597	9,958	8,920	9,179
Middle Atlantic	355,036	327,104	348,179	217,257	179,328	134,603	125,216	110,810
New York	166,674	151,717	159,949	93,118	75,522	72,311	66,633	61,905
New Jersey	24,133	21,889	24,535	11,983	10,000	11,793	10,035	10,118
Pennsylvania	164,229	153,498	163,695	112,156	93,804	50,699	48,498	38,787
East North Central	809,044	766,780	771,876	473,822	382,771	327,463	326,313	305,046
Ohio	192,104	177,986	181,347	135,616	110,004	54,997	50,784	47,800
Indiana	148,501	137,210	137,429	89,847	73,233	56,914	51,474	49,960
Illinois	145,107	132,574	129,074	86,713	68,892	55,792	51,039	45,814
Michigan	172,310	159,406	161,974	88,705	72,869	82,631	78,758	70,853
Wisconsin	151,022	159,610	162,052	72,941	57,773	77,129	94,258	90,619
West North Central	758,946	711,156	685,797	404,555	278,906	348,182	368,158	350,991
Minnesota	122,104	132,744	136,382	65,033	54,086	56,145	69,545	66,319
Iowa	133,003	121,388	116,444	63,234	45,807	68,045	66,096	64,781
Missouri	192,285	185,030	174,383	102,514	82,099	88,486	85,538	76,970
North Dakota	63,212	56,917	49,513	30,651	12,833	31,727	40,462	31,602
South Dakota	57,964	47,815	46,160	35,101	16,037	21,691	27,262	23,813
Nebraska	79,260	69,672	67,766	47,435	27,065	30,839	35,191	38,279
Kansas	111,108	97,090	95,149	60,582	40,979	49,249	44,064	44,227
South Atlantic	593,154	607,089	609,364	474,742	408,804	110,198	118,026	126,838
Delaware	6,178	6,010	6,515	3,817	3,504	2,264	2,018	1,748
Maryland	33,519	32,805	35,133	21,084	19,292	12,127	11,339	10,513
Dist. of Columbia	118	100	81	93	53	21	29	19
Virginia	133,664	136,363	143,587	111,474	98,470	21,182	24,331	27,075
West Virginia	75,978	72,101	74,943	66,093	52,617	9,525	10,274	9,104
North Carolina	145,320	151,376	154,805	117,028	102,950	26,642	24,499	29,918
South Carolina	64,350	67,724	59,969	47,535	42,847	15,020	14,299	15,521
Georgia	98,628	102,123	88,660	78,004	64,061	18,257	23,135	24,083
Florida	35,369	38,487	45,586	29,614	25,010	5,160	8,102	8,857
East South Central	510,452	525,808	497,825	388,837	339,312	114,195	124,723	110,931
Kentucky	170,332	179,327	175,442	135,505	116,613	33,039	40,615	34,688
Tennessee	144,125	148,082	148,627	118,285	105,128	24,606	32,264	30,703
Alabama	103,929	107,089	92,948	74,504	64,498	27,457	27,854	27,790
Mississippi	92,066	91,310	80,808	60,543	53,073	29,093	23,990	26,750
West South Central	440,905	484,328	412,064	299,303	238,832	132,252	162,738	147,212
Arkansas	106,649	112,647	95,476	82,321	64,881	22,374	33,990	31,410
Louisiana	52,989	57,254	52,386	42,011	36,010	9,834	11,783	14,424
Oklahoma	85,404	93,217	81,226	46,889	30,551	30,036	47,025	39,263
Texas	195,863	201,210	182,976	128,082	105,490	64,008	69,940	62,106
Mountain	160,844	202,515	179,195	125,940	88,731	33,060	97,038	84,939
Montana	23,365	50,271	36,281	18,014	16,365	4,820	20,897	19,818
Idaho	27,169	34,647	30,195	17,933	11,872	9,010	20,060	10,509
Wyoming	9,779	13,403	12,545	7,815	6,816	1,923	5,513	6,088
Colorado	36,903	45,291	39,517	20,822	20,965	9,636	21,131	20,997
New Mexico	33,398	25,756	26,005	31,382	16,650	1,775	6,257	6,897
Arizona	8,203	7,869	8,179	7,038	3,708	1,043	3,380	3,276
Utah	19,762	22,579	23,013	15,131	10,756	4,492	9,916	10,190
Nevada	2,175	2,699	3,463	1,805	1,599	361	884	1,164
Pacific	151,933	180,144	215,930	95,202	79,131	55,407	85,956	99,895
Washington	47,505	52,701	60,389	30,979	25,012	16,026	24,004	27,604
Oregon	37,796	39,863	45,887	24,855	18,077	12,632	17,843	20,990
California	66,632	87,580	109,654	39,368	36,042	26,749	44,109	50,801

Source: Bureau of the Census, Department of Commerce.

No. 598.—MORTGAGE DEBT OF FARMS OWNED WHOLLY BY THE OPERATOR: BY STATES

NOTE.—This table does not include farms operated by managers or tenants or consisting in part of rented land

Division and State	Farms operated by full owners reporting amount of mortgage debt								
	Number of farms			Value of land and buildings (thousands of dollars)			Amount of debt (thousands of dollars)		
	1910	1920	1925	1910	1920	1925	1910	1920	1925
United States	4,006,511	4,193,047	4,128,207	8,330,237	13,775,500	10,790,244	1,726,178	4,003,767	4,517,259
New England	53,791	49,456	47,817	183,826	271,163	272,769	58,536	91,756	109,381
Maine	13,894	12,345	11,632	39,774	58,427	59,644	11,739	18,592	24,619
New Hampshire	5,666	4,951	4,591	15,457	20,274	18,264	4,774	6,821	7,209
Vermont	12,138	11,504	10,431	36,859	61,071	61,883	12,436	23,576	24,057
Massachusetts	12,030	11,663	11,660	49,742	70,745	76,362	16,371	23,412	28,402
Rhode Island	1,001	856	869	4,088	4,865	5,185	1,356	1,494	1,971
Connecticut	9,062	8,137	8,634	37,906	55,781	61,431	11,859	17,861	23,102
Middle Atlantic	118,220	113,441	104,317	518,335	711,868	696,005	178,326	258,397	286,334
New York	62,555	59,735	57,245	284,659	388,114	397,889	97,310	145,533	165,622
New Jersey	10,666	9,296	9,824	55,507	67,176	81,964	19,477	25,123	31,893
Pennsylvania	44,999	44,410	37,248	176,168	256,577	216,152	61,539	87,741	88,818
East N. Central	257,884	274,347	255,248	1,605,965	2,959,228	2,290,825	459,887	922,268	1,011,942
Ohio	42,785	43,068	41,170	220,750	387,188	307,622	63,788	121,121	134,738
Indiana	40,108	40,416	38,734	261,961	439,153	300,320	57,487	105,256	119,621
Illinois	36,938	36,663	31,354	454,857	775,395	535,833	115,800	197,212	218,544
Michigan	68,655	67,119	60,707	250,874	420,108	351,799	75,997	144,103	149,683
Wisconsin	69,398	87,081	83,341	427,522	937,385	795,252	146,815	354,574	389,356
West N. Central	236,975	266,281	239,431	2,361,541	5,414,232	3,860,025	608,481	1,437,337	1,642,124
Minnesota	41,775	57,585	52,184	295,016	925,963	612,428	77,866	254,475	267,027
Iowa	50,452	52,341	49,744	735,265	1,814,260	1,272,036	204,243	489,817	625,629
Missouri	64,028	68,784	59,494	389,476	752,008	493,793	112,565	216,463	220,265
North Dakota	19,187	22,623	15,597	213,643	380,133	200,549	47,842	108,285	82,411
South Dakota	11,313	14,039	13,511	154,749	411,837	234,807	32,771	89,875	100,306
Nebraska	19,778	23,986	23,631	286,309	705,561	512,906	62,373	168,508	216,256
Kansas	30,442	26,923	25,270	287,082	424,469	333,506	70,820	109,914	130,231
South Atlantic	86,522	103,039	113,567	270,317	552,812	670,906	73,597	192,669	249,235
Delaware	2,021	1,903	1,723	8,802	11,422	9,874	3,069	4,460	4,326
Maryland	10,754	10,407	10,118	44,399	75,082	69,717	15,674	27,481	29,575
Dist. of Col	20	24	16	233	238	222	56	93	77
Virginia	17,410	21,155	24,269	62,377	151,585	159,208	15,440	41,726	55,890
West Virginia	7,878	9,031	8,409	21,549	43,989	38,533	5,693	11,206	13,828
North Carolina	19,252	20,149	24,983	42,052	103,282	119,996	9,958	31,968	43,621
South Carolina	11,189	12,265	13,669	39,594	92,053	80,251	10,109	25,153	32,564
Georgia	13,839	20,797	22,024	37,526	124,579	122,228	10,988	37,671	51,076
Florida	4,159	7,308	8,356	12,884	50,581	70,877	2,710	12,910	18,279
East S. Central	85,282	109,619	103,782	203,125	570,595	482,813	59,770	176,102	202,449
Kentucky	25,846	35,531	29,782	81,315	230,557	150,923	23,411	67,116	65,403
Tennessee	17,362	27,496	25,770	47,232	159,001	131,288	12,626	49,836	53,890
Alabama	19,230	24,748	23,659	32,311	81,889	79,541	10,351	29,103	33,328
Mississippi	22,844	21,844	24,571	42,266	99,149	121,061	13,381	30,046	49,829
West S. Central	96,687	131,550	117,523	484,015	1,134,848	924,782	121,366	304,632	345,423
Arkansas	16,555	29,504	26,489	35,035	129,348	115,471	8,941	38,539	46,283
Louisiana	7,520	10,301	12,958	28,772	68,362	70,564	8,950	20,491	30,270
Oklahoma	24,588	34,045	27,366	122,327	272,616	184,013	27,385	73,434	73,079
Texas	48,024	57,700	50,710	297,881	664,523	554,735	76,089	172,167	195,790
Mountain	26,781	74,118	59,368	247,994	927,906	543,823	59,364	283,424	234,899
Montana	3,990	21,244	11,754	44,615	240,550	95,174	10,741	77,950	42,565
Idaho	7,594	17,142	12,997	64,376	223,649	121,017	14,557	69,868	54,912
Wyoming	1,531	3,937	3,653	16,675	55,610	33,554	4,208	15,303	14,865
Colorado	7,571	15,735	14,444	77,332	211,701	144,065	18,986	62,623	61,408
New Mexico	1,397	4,331	4,828	10,683	43,085	31,215	2,590	11,178	11,379
Arizona	813	2,870	2,628	8,695	50,453	36,330	2,253	15,948	13,321
Utah	3,526	8,086	7,996	21,320	84,578	59,172	4,564	24,335	26,164
Nevada	309	767	1,068	4,297	18,281	22,296	1,464	6,519	10,084
Pacific	44,419	71,196	87,156	457,119	1,132,848	1,248,296	108,847	337,184	435,493
Washington	12,715	19,503	23,412	113,395	202,018	199,425	25,645	61,121	74,212
Oregon	10,274	14,355	17,303	93,525	166,663	174,196	21,166	51,999	65,592
California	21,430	37,338	46,351	250,199	764,166	874,675	60,037	224,064	295,689

Source: Bureau of the Census, Department of Commerce.

No. 599.—NUMBER OF FARMS: BY KIND OF ROAD ON WHICH LOCATED AND DISTANCE FROM NEAREST MARKET TOWN

Item	United States	New England	Middle Atlantic	East North Central	West North Central
Total number of farms	6,371,640	159,489	418,868	1,051,672	1,111,314
Kind of road located on:					
Concrete or brick	156,434	2,066	26,048	52,298	8,735
Macadam	316,527	19,074	66,883	101,231	6,420
Gravel	946,057	38,936	33,832	339,076	115,906
Improved dirt	1,998,704	35,656	63,270	188,522	495,410
Unimproved dirt	2,747,732	60,808	208,958	337,794	450,338
All other (including not reported)	206,186	2,949	19,877	32,651	34,505
Distance from nearest market town:					
Farms reporting	6,279,368	157,877	408,754	1,036,655	1,094,313
Under 2 miles	802,785	26,044	60,893	170,599	154,633
2 to 3.9 miles	1,463,173	40,700	107,896	325,945	280,257
4 to 5.9 miles	1,251,574	30,756	80,765	250,937	262,173
6 to 7.9 miles	902,098	21,406	52,066	133,091	167,751
8 to 9.9 miles	553,244	13,161	30,985	65,247	90,410
10 to 14.9 miles	736,034	16,596	43,540	58,777	86,522
15 miles and over	550,460	9,214	31,709	27,059	43,567
Farms not reporting	92,272	1,612	10,114	14,917	17,001

Item	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of farms	1,108,061	1,008,052	1,017,305	233,392	265,587
Kind of road located on:					
Concrete or brick	24,644	6,495	7,548	4,833	23,767
Macadam	30,672	64,227	7,753	831	19,436
Gravel	42,703	152,580	112,573	30,954	79,497
Improved dirt	385,994	281,337	410,785	82,777	54,953
Unimproved dirt	589,343	472,522	452,117	102,245	73,607
All other (including not reported)	34,705	28,891	26,529	11,752	14,327
Distance from nearest market town:					
Farms reporting	1,093,177	991,780	1,006,320	229,543	260,940
Under 2 miles	106,063	97,324	109,278	28,595	49,356
2 to 3.9 miles	208,330	181,479	202,324	39,694	67,548
4 to 5.9 miles	196,270	168,921	196,898	30,955	43,899
6 to 7.9 miles	165,121	144,501	159,907	23,516	28,839
8 to 9.9 miles	115,448	107,158	105,646	16,723	18,406
10 to 14.9 miles	162,833	171,910	142,757	28,049	25,050
15 miles and over	139,112	120,487	89,510	62,011	27,791
Farms not reporting	14,884	14,272	10,985	3,849	4,638

Source: Bureau of the Census, Department of Commerce.

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No. 600.—FARM EXPENDITURES FOR LABOR,

Division and State	Labor						Fertilizer	
	Farms reporting				Cash expended (thousands of dollars)		Farms reporting	
	Number		Per cent of all farms				Number	
	1919	1924	1919	1924	1919	1924	1919	1924
United States	2,888,999	2,536,721	44.8	39.8	1,098,713	864,982	2,271,179	2,184,058
New England	90,031	77,313	57.5	48.5	43,687	41,245	77,965	74,289
Maine	26,735	23,641	55.4	47.3	7,506	6,800	22,641	25,437
New Hampshire	11,365	9,202	55.4	44.1	3,665	3,015	8,799	6,983
Vermont	18,171	14,522	62.5	53.3	5,789	4,560	14,508	13,006
Massachusetts	18,322	15,788	57.3	47.2	13,929	14,375	16,992	15,146
Rhode Island	2,296	2,159	56.2	55.2	1,730	1,894	2,297	2,184
Connecticut	13,142	11,611	58.0	50.0	11,067	10,602	12,668	11,533
Middle Atlantic	260,960	214,879	61.4	51.3	95,198	80,797	280,583	250,649
New York	121,256	101,091	62.8	53.6	49,346	42,236	113,578	102,403
New Jersey	18,588	15,478	62.6	52.2	14,359	14,186	22,774	20,191
Pennsylvania	121,116	98,310	59.9	49.0	31,494	24,376	144,231	128,055
East North Central	582,622	472,301	53.7	44.9	182,314	126,504	360,314	315,639
Ohio	124,806	92,190	48.6	37.7	36,339	22,026	165,556	137,207
Indiana	93,207	66,430	45.4	33.9	25,609	14,648	98,703	75,950
Illinois	151,300	124,543	63.8	55.2	60,909	43,146	22,488	21,559
Michigan	102,431	85,213	52.1	44.3	24,876	19,347	65,782	61,874
Wisconsin	110,878	103,925	58.6	53.8	34,582	26,337	7,785	18,049
West North Central	672,998	608,112	61.4	54.7	263,703	186,964	80,913	44,007
Minnesota	111,697	104,924	62.6	55.7	36,451	27,463	3,031	4,980
Iowa	136,682	119,753	64.0	56.1	52,942	35,529	3,177	6,382
Missouri	125,248	94,715	47.6	36.4	33,037	18,632	47,383	27,024
North Dakota	61,109	62,050	65.8	61.7	27,786	33,503	488	341
South Dakota	49,658	49,540	66.5	62.3	24,122	15,492	175	309
Nebraska	80,696	74,950	64.9	58.7	34,604	22,560	476	815
Kansas	117,908	102,180	71.3	61.6	54,761	33,785	6,183	3,247
South Atlantic	378,580	306,598	32.5	27.7	88,226	73,336	933,634	842,966
Delaware	5,304	4,426	53.2	43.2	2,052	1,769	9,107	7,836
Maryland	29,123	24,665	60.3	50.3	12,915	9,833	39,270	35,595
Dist. of Columbia	112	78	54.9	56.1	140	322	116	89
Virginia	66,500	60,427	35.7	31.2	17,003	15,237	135,218	126,373
West Virginia	31,328	24,300	35.9	26.9	4,787	3,761	35,309	28,945
North Carolina	78,394	69,551	29.1	24.5	10,818	8,096	228,767	238,319
South Carolina	62,095	39,531	32.2	22.9	13,683	8,159	176,537	155,650
Georgia	83,444	60,345	26.9	24.2	16,705	11,926	280,385	212,214
Florida	20,190	23,275	37.4	39.3	10,118	14,232	28,925	37,945
East South Central	247,906	193,262	23.6	19.2	37,855	26,018	418,217	446,613
Kentucky	76,953	54,870	28.4	21.2	15,292	8,881	86,687	71,874
Tennessee	70,494	56,341	27.9	22.3	9,647	7,097	84,827	86,082
Alabama	57,308	52,892	22.4	22.3	6,589	5,503	175,407	184,079
Mississippi	43,151	29,159	15.9	11.3	6,327	4,535	71,296	104,578
West South Central	389,924	386,280	39.2	38.0	147,417	119,705	108,894	178,496
Arkansas	66,720	62,223	28.7	28.0	12,068	9,678	41,338	56,828
Louisiana	30,166	27,191	22.3	20.5	19,700	17,856	37,652	54,412
Oklahoma	102,674	94,978	53.5	48.2	35,333	26,238	2,445	2,235
Texas	190,434	201,888	43.7	43.4	80,315	71,933	27,459	65,021
Mountain	125,480	128,668	51.4	55.2	84,892	68,350	4,926	4,077
Montana	24,378	30,408	42.3	64.8	15,603	15,136	453	132
Idaho	24,789	22,811	58.9	56.2	14,734	9,294	575	633
Wyoming	6,961	7,012	44.2	45.2	6,717	5,733	55	45
Colorado	35,140	33,740	58.6	58.2	23,147	16,854	1,184	1,182
New Mexico	11,538	11,823	38.7	37.3	5,260	4,934	1,458	1,127
Arizona	5,639	5,820	56.5	53.9	7,664	7,287	126	252
Utah	15,033	14,917	58.6	57.4	7,472	5,145	1,017	684
Nevada	1,993	2,328	63.9	60.0	4,296	3,968	58	22
Pacific	142,428	149,108	60.8	56.1	155,420	142,034	25,733	27,320
Washington	38,055	36,155	57.4	49.3	28,330	21,727	3,645	4,891
Oregon	27,959	28,117	55.7	50.3	17,162	14,991	5,614	5,883
California	76,414	84,836	64.9	62.2	109,928	105,346	16,474	16,546

Source: Bureau of the Census, Department of Commerce.

FERTILIZER, AND FEED: BY STATES, 1919 AND 1924

Fertilizer—Continued				Feed						Division and State
Farms reporting—Continued		Cash expended (thousands of dollars)		Farms reporting				Cash expended (thousands of dollars)		
Per cent of all farms				Number		Per cent of all farms				
1919	1924	1919	1924	1919	1924	1919	1924	1919	1924	
35.2	34.3	328,400	230,528	3,511,121	3,190,739	54.4	50.1	1,097,225	750,445	United States.
49.8	46.6	18,323	16,336	134,450	130,968	85.9	82.1	69,539	64,822	New England.
46.9	50.8	7,759	7,096	39,794	37,257	82.5	74.5	14,859	11,908	Maine.
42.9	33.1	526	441	18,015	17,228	87.8	81.8	8,726	7,467	New Hampshire.
50.1	46.8	857	794	25,389	23,287	87.3	83.8	11,071	10,034	Vermont.
53.1	45.3	3,907	3,336	27,853	28,353	87.0	86.2	20,273	19,775	Massachusetts.
56.3	55.8	380	301	3,608	3,633	88.4	92.9	2,889	3,046	Rhode Island.
55.9	49.6	4,894	4,369	19,791	20,710	87.4	89.1	11,721	12,590	Connecticut.
66.0	59.8	41,438	31,393	340,080	320,362	80.0	76.5	149,363	122,185	Middle Atlantic.
58.8	54.3	15,067	11,607	158,428	145,614	82.0	77.1	82,966	62,075	New York.
76.7	68.0	10,743	8,597	24,933	24,906	83.9	83.9	14,719	16,469	New Jersey.
71.3	63.9	15,628	11,189	156,719	149,842	77.5	74.8	51,678	43,621	Pennsylvania.
33.2	30.0	30,589	22,140	683,476	605,911	63.0	57.6	197,070	119,625	East North Central
64.5	56.1	13,206	9,082	101,658	142,395	63.0	58.2	40,378	26,087	Ohio.
48.1	30.3	8,735	5,712	130,075	102,795	63.4	52.5	42,306	19,066	Indiana.
9.5	9.6	2,906	2,238	158,180	128,484	66.7	57.0	64,528	32,871	Illinois.
33.5	32.2	4,873	3,971	111,191	95,302	56.6	49.6	21,939	14,600	Michigan.
4.1	9.3	780	1,137	122,372	136,935	64.6	70.9	27,919	27,002	Wisconsin.
5.6	4.0	6,168	3,092	693,629	690,986	63.2	54.1	307,163	173,731	West North Central
1.7	2.7	433	454	100,530	95,044	56.3	50.5	22,941	14,639	Minnesota.
1.5	3.0	597	538	147,605	134,282	69.2	62.9	79,069	49,281	Iowa.
18.0	10.7	3,941	1,498	164,639	144,742	62.6	55.6	60,172	33,841	Missouri.
.6	.4	120	76	41,967	26,260	54.0	34.6	12,155	3,845	North Dakota.
.2	.4	34	52	37,966	30,411	50.9	38.2	16,089	8,737	South Dakota.
.4	.6	65	133	83,374	71,092	67.0	55.7	58,624	34,309	Nebraska.
3.7	2.0	979	342	117,548	99,135	71.1	59.8	57,515	29,078	Kansas.
80.6	76.1	185,700	110,472	480,494	402,747	41.5	36.3	60,505	49,770	South Atlantic.
89.8	76.4	1,222	1,142	6,405	6,926	63.2	67.5	1,490	1,935	Delaware.
82.0	72.6	7,610	5,126	33,353	32,544	69.6	66.4	8,045	7,000	Maryland.
56.9	64.0	23	30	153	100	75.0	71.9	171	201	Dist. of Columbia.
72.6	65.2	17,278	13,083	97,297	91,338	52.2	47.1	12,400	10,367	Virginia.
40.5	32.0	1,710	1,049	47,183	51,466	54.1	56.9	5,640	5,962	West Virginia.
84.8	84.1	48,797	32,002	128,964	107,359	47.8	37.9	12,292	8,675	North Carolina.
91.6	90.1	52,547	24,306	60,088	26,741	31.2	15.5	5,904	2,322	South Carolina.
90.2	85.2	46,196	21,100	86,580	62,682	27.9	25.2	9,530	6,305	Georgia.
53.6	64.1	10,317	12,625	20,471	23,591	37.9	39.8	5,025	6,403	Florida.
39.8	44.4	25,477	25,891	369,149	368,694	35.1	36.6	43,364	35,583	East South Central.
32.0	27.8	3,597	2,279	119,689	94,052	44.2	36.4	16,017	9,163	Kentucky.
33.6	34.1	3,525	2,786	100,074	92,139	39.6	36.5	11,165	8,701	Tennessee.
68.5	77.5	14,066	14,564	71,668	86,606	28.0	30.4	5,921	7,063	Alabama.
26.2	40.7	4,288	6,262	77,718	95,897	28.6	37.3	10,261	10,656	Mississippi.
10.9	17.5	8,697	11,461	505,490	486,710	50.7	47.8	121,092	72,778	West South Central.
17.8	25.6	2,573	2,995	118,998	111,809	51.2	50.4	17,725	12,379	Arkansas.
27.8	41.1	3,340	4,140	56,423	66,910	41.7	50.5	12,232	10,121	Louisiana.
1.3	1.1	452	203	114,488	106,105	59.6	53.8	30,372	15,618	Oklahoma.
6.3	14.0	1,831	4,124	215,581	201,886	49.4	43.4	60,762	34,661	Texas.
2.0	1.7	809	378	141,139	107,395	57.8	46.0	68,636	31,639	Mountain.
.8	.3	126	6	37,901	16,406	65.7	35.0	19,791	3,578	Montana.
1.4	1.6	106	59	24,062	19,360	57.1	47.7	10,709	5,494	Idaho.
.3	.3	8	7	8,823	7,050	56.0	45.4	6,910	2,587	Wyoming.
2.0	2.0	294	127	36,092	29,598	60.2	51.0	18,431	10,371	Colorado.
4.9	3.6	113	88	14,586	15,349	48.9	48.4	5,371	3,347	New Mexico.
1.3	2.3	41	46	4,906	6,139	49.2	56.8	2,060	2,413	Arizona.
4.0	2.6	109	42	13,082	11,313	51.0	43.5	3,941	2,502	Utah.
1.8	.6	10	2	1,687	2,180	53.3	56.1	1,423	1,346	Nevada.
11.0	10.3	9,198	9,365	163,214	166,986	69.7	62.9	80,493	80,333	Pacific.
5.5	6.7	526	535	51,038	51,230	77.0	69.9	20,722	17,161	Washington.
11.2	10.5	490	458	34,404	35,381	68.5	63.3	13,390	10,156	Oregon.
14.0	12.1	8,183	8,371	77,772	80,375	66.1	58.9	46,381	53,016	California.

No. 601.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES

NOTE.—To 1923, yearly averages are from reports by crop reporters, giving average wages for the year in their locality; thereafter, wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year

Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910–1914=100)	Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910–1914=100)
	With board	Without board				With board	Without board		
1866	$10.09	$15.50	$13.14	55	1911	$19.85	$28.33	$23.25	97
1874 or 1875	11.16	17.10	14.19	59	1912	20.46	29.14	24.01	101
1877 or 1879 [1]	10.86	16.79	13.34	56	1913	21.27	30.21	24.83	104
1879 or 1880	11.70	17.53	14.14	59	1914	20.90	29.72	24.26	101
1880 or 1881	12.32	18.52	14.82	62	1915	21.08	29.97	24.46	102
1881 or 1882	12.88	19.11	15.48	65	1916	23.04	32.58	26.83	112
1884 or 1885	13.08	19.22	15.58	65	1917	28.64	40.19	33.42	140
1887 or 1888	13.29	19.67	15.87	66	1918	35.12	49.13	42.12	176
1889 or 1890	13.29	19.45	15.79	66	1919	40.14	56.77	49.11	206
1891 or 1892	13.48	20.02	16.06	67	1920	47.24	65.05	57.01	239
1893	13.85	19.97	16.93	67	1921	30.25	43.58	35.77	150
1894	12.70	18.57	14.60	61	1922	29.31	42.09	34.91	146
1895	12.75	18.74	14.69	62	1923	33.09	46.74	39.64	166
1898	13.29	19.16	15.58	65	1924	33.34	47.22	39.67	166
1899	13.90	19.97	16.34	68	1925	33.88	47.80	40.12	168
1902	15.51	22.12	18.12	76	1926	34.86	48.86	40.88	171
1906	18.73	26.19	21.92	92	1927	34.58	48.63	40.60	170
1909	20.48	28.09	23.00	96	1928	34.66	48.65	40.44	169
1910	19.58	28.04	23.08	97	1929	34.74	49.08	40.52	170

Basis of rate and division	1928				1929				1930	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
PER MONTH, WITH BOARD										
United States	$32.50	$34.46	$35.39	$35.75	$33.04	$34.68	$36.08	$35.90	$32.29	$33.83
North Atlantic States	43.33	45.05	46.71	46.58	43.48	46.12	48.35	47.72	44.57	45.05
North Central States	36.38	41.38	42.29	42.73	37.49	41.81	43.40	42.79	36.24	40.21
South Atlantic States	25.40	24.89	25.38	25.43	24.47	24.20	24.98	25.52	23.28	23.30
South Central States	24.68	24.88	25.99	26.57	25.26	25.00	26.39	25.86	24.75	24.71
Western States	49.57	53.10	53.64	54.21	51.54	53.94	55.28	56.54	50.66	53.99
PER MONTH, WITHOUT BOARD										
United States	46.75	48.44	49.32	49.60	47.24	49.00	50.53	50.00	46.80	47.81
North Atlantic States	66.36	67.43	68.60	68.71	66.22	68.74	70.97	69.90	67.46	67.23
North Central States	50.81	55.66	56.18	56.96	51.74	56.44	58.18	57.41	51.20	54.34
South Atlantic States	36.36	35.20	36.22	35.78	35.18	35.10	35.77	36.02	34.12	33.88
South Central States	35.25	35.58	36.86	36.74	36.23	35.95	37.44	36.70	35.53	35.30
Western States	73.18	75.94	75.99	77.68	74.72	76.99	79.11	78.93	75.10	77.27
PER DAY, WITH BOARD										
United States	1.76	1.78	1.84	1.96	1.78	1.79	1.89	1.92	1.73	1.72
North Atlantic States	2.62	2.65	2.71	2.78	2.56	2.60	2.79	2.83	2.55	2.55
North Central States	2.12	2.18	2.26	2.48	2.17	2.21	2.36	2.43	2.08	2.11
South Atlantic States	1.31	1.31	1.33	1.38	1.29	1.28	1.31	1.32	1.24	1.20
South Central States	1.26	1.25	1.30	1.37	1.28	1.26	1.34	1.32	1.23	1.22
Western States	2.36	2.37	2.44	2.56	2.44	2.42	2.51	2.57	2.38	2.39
PER DAY, WITHOUT BOARD										
United States	2.34	2.34	2.39	2.51	2.34	2.34	2.43	2.46	2.27	2.27
North Atlantic States	3.42	3.40	3.48	3.58	3.42	3.44	3.57	3.63	3.31	3.38
North Central States	2.81	2.85	2.93	3.14	2.83	2.88	3.02	3.07	2.74	2.78
South Atlantic States	1.74	1.72	1.75	1.78	1.69	1.66	1.70	1.71	1.62	1.57
South Central States	1.66	1.64	1.68	1.74	1.68	1.65	1.71	1.72	1.63	1.60
Western States	3.18	3.20	3.28	3.44	3.24	3.21	3.32	3.39	3.19	3.22

[1] 1877 or 1878, 1878 or 1879 (combined).

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 602.—FERTILIZER: ESTIMATED SALES IN THE UNITED STATES

NOTE.—Data are based on fertilizer tag sales for Southern States and on sales records, etc., for others. Where actual sales records are not available, estimates made by State authorities or the office of the National Fertilizer Association and based largely on records are shown, as indicated by footnotes

[In tons of 2,000 pounds]

Division and State	1922	1923	1924	1925	1926	1927	1928	1929
United States	5, 672, 300	6, 444, 764	6, 825, 161	7, 330, 856	7, 328, 517	6, 842, 684	7, 939, 483	7, 914, 088
New England	347, 486	345, 709	355, 768	380, 656	318, 700	383, 147	365, 119	344, 896
Maine	[1] 172, 000	[1] 168, 000	[1] 182, 000	[1] 185, 000	147, 000	183, 750	[2] 178, 750	[2] 171, 500
New Hampshire [1,3]	15, 000	17, 000	16, 000	16, 000	14, 680	16, 875	16, 900	16, 900
Vermont [3]	[1] 16, 000	[1] 18, 000	[1] 17, 000	[1] 18, 000	[1] 18, 000	15, 663	16, 911	14, 905
Massachusetts [3]	65, 936	63, 709	61, 968	62, 656	58, 920	71, 734	70, 458	62, 491
Rhode Island [2,4]	8, 500	9, 000	8, 800	9, 000	8, 100	10, 125	10, 100	10, 100
Connecticut [1]	70, 000	70, 000	70, 000	70, 000	70, 000	65, 000	72, 000	69, 000
Middle Atlantic	748, 634	716, 239	722, 512	728, 148	698, 045	728, 149	732, 074	716, 981
New York	[2] 250, 000	[2] 250, 000	[2] 250, 000	253, 000	234, 000	260, 000	[2] 260, 000	[2] 250, 000
New Jersey [5]	176, 424	157, 497	152, 827	140, 686	135, 141	141, 635	143, 574	141, 981
Pennsylvania	322, 210	308, 742	310, 685	328, 462	328, 904	326, 514	[2] 328, 500	[2] 325, 000
East North Central	634, 183	617, 065	640, 808	694, 517	679, 001	718, 848	729, 498	792, 500
Ohio	310, 885	303, 120	321, 287	321, 960	304, 480	312, 703	320, 866	338, 662
Indiana	209, 310	198, 581	192, 417	226, 148	228, 280	240, 498	221, 082	250, 303
Illinois	[6] 13, 707	[6] 16, 719	[6] 17, 527	[6] 24, 582	[6] 25, 227	[2] 26, 000	[6] 30, 509	[6] 38, 304
Michigan	86, 281	83, 645	94, 575	109, 327	105, 014	117, 227	[2] 124, 000	[2] 124, 000
Wisconsin	14, 000	15, 000	15, 000	12, 500	16, 000	22, 520	33, 041	40, 671
West North Central	63, 121	65, 497	61, 421	79, 952	82, 874	83, 351	96, 526	100, 358
Minnesota	[2] 4, 400	[2] 4, 500	[2] 4, 450	[1] 5, 000	11, 316	[2] 11, 172	[2] 11, 172	13, 024
Iowa	[2] 3, 500	[2] 4, 000	[2] 4, 500	[1] 6, 000	[7] 6, 021	[7] 7, 181	[1] 10, 000	[1] 17, 000
Missouri [5]	50, 021	51, 597	47, 121	63, 939	56, 891	56, 100	64, 922	58, 891
North Dakota	[2] 125	[2] 150	[2] 200	[2] 225	250	390	[2] 450	[1] 550
South Dakota [2]	125	150	150	150	150	200	220	250
Nebraska [2]	450	500	500	500	500	500	600	700
Kansas	[2] 4, 500	[2] 4, 600	[2] 4, 500	[1] 4, 138	7, 746	[2] 7, 800	9, 162	[8] 9, 943
South Atlantic	3, 037, 634	3, 488, 819	3, 741, 099	3, 927, 484	3, 921, 887	3, 666, 228	4, 186, 419	4, 020, 307
Delaware	40, 344	36, 931	36, 224	41, 006	43, 084	41, 126	40, 817	41, 256
Maryland	156, 188	155, 168	151, 211	165, 474	163, 285	185, 174	173, 159	165, 443
Virginia [8]	449, 942	422, 350	441, 895	451, 656	435, 223	408, 008	437, 709	429, 886
West Virginia [2]	38, 071	40, 000	40, 000	41, 000	43, 209	43, 200	44, 900	44, 900
North Carolina [8]	951, 174	1, 066, 553	1, 183, 053	1, 217, 822	1, 218, 176	1, 171, 499	1, 349, 360	1, 293, 573
South Carolina [8]	526, 599	693, 386	844, 440	873, 255	840, 128	726, 736	788, 293	760, 053
Georgia [8]	521, 547	675, 867	678, 959	778, 808	780, 302	713, 047	883, 274	868, 911
Florida [8]	353, 769	398, 564	365, 317	358, 463	398, 480	417, 438	468, 907	416, 885
East South Central	601, 406	852, 659	863, 192	1, 091, 317	1, 141, 275	880, 123	1, 255, 676	1, 238, 701
Kentucky	85, 000	90, 000	85, 000	93, 000	91, 500	70, 500	90, 500	93, 000
Tennessee [8]	89, 519	106, 351	115, 230	142, 174	156, 336	112, 473	150, 726	142, 745
Alabama [8]	284, 370	447, 913	456, 840	598, 115	615, 364	478, 400	681, 100	675, 150
Mississippi [8]	142, 517	208, 385	206, 122	258, 028	278, 075	218, 750	333, 350	327, 806
West South Central	147, 577	266, 627	353, 209	340, 179	371, 090	253, 137	422, 930	537, 033
Arkansas [8]	36, 115	79, 616	96, 750	123, 387	126, 175	75, 487	126, 391	156, 582
Louisiana [8]	75, 050	104, 624	124, 668	110, 784	114, 347	92, 866	143, 693	174, 278
Oklahoma	[2,3] 2, 500	[2,3] 3, 600	[2,3] 4, 000	[1,3] 5, 000	[1,3] 5, 418	[1,3] 4, 263	[8] 8, 203	[8] 14, 045
Texas [8]	33, 912	78, 787	127, 791	101, 008	125, 150	80, 521	144, 643	192, 133
Mountain	1, 940	2, 330	2, 380	2, 670	3, 583	3, 333	4, 558	5, 330
Montana	[2] 80	[2] 100	[2] 100	[2] 90	[2] 90	[1] 90	[2] 100	[2] 100
Idaho [3]	[2] 375	[1] 400	[1] 400	[1] 400	[1] 420	[2] 450	[2] 500	[2] 550
Wyoming [2]	100	100	100	100	150	200	300	600
Colorado	[2] 200	[2] 250	[2] 250	[2] 250	337	607	[1] 728	[1] 800
New Mexico	430	450	[2] 500	[2] 800	1, 556	1, 256	[2] 1, 400	[2] 1, 500
Arizona	[2] 325	[2] 500	[2] 500	[2] 500	[2] 500	[1] 700	[1] 1, 000	[1] 1, 200
Utah	[2] 400	[2] 500	[2] 500	[1] 500	[1] 500	[2] 500	[2] 500	[2] 550
Nevada [2]	30	30	30	30	30	30	30	30
Pacific	90, 319	89, 819	84, 774	105, 933	114, 052	125, 768	146, 683	157, 977
Washington	[2] 8, 000	[2] 10, 000	[2] 11, 000	[2] 12, 000	12, 207	14, 244	[2] 15, 500	[2] 17, 500
Oregon	[2] 7, 500	[2] 8, 000	[2] 7, 500	[1] 8, 000	[2] 8, 000	[2] 9, 000	[1] 10, 000	[1] 10, 000
California	74, 819	71, 819	66, 274	85, 933	93, 845	102, 524	121, 183	130, 477

[1] Estimated by State authorities.
[2] Estimated.
[3] Year ended June 30.
[4] Year ended March 31.
[5] Year ended October 31.
[6] Compiled by E. E. De Turk, College of Agriculture, University of Illinois.
[7] Totals of four companies plus estimates for others.
[8] Based on tag sales.

Source: The National Fertilizer Association.

No. 603.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY DIVISIONS, 1919 AND 1924

NOTE.—For total number of all farms (base for percentages) see Table 531

Division	Number of farms reporting sales			Number of farms reporting purchases			Value of farm products sold		Value of supplies purchased	
	1919	1924	Per cent of all farms, 1924	1919	1924	Per cent of all farms, 1924	1919	1924	1919	1924
							Thousands of dollars			
United States	511,383	884,207	13.9	329,449	362,745	5.7	721,984	858,284	84,618	75,971
New England	4,060	10,845	6.8	7,579	10,787	6.8	5,917	20,745	3,036	5,709
Middle Atlantic	33,854	39,295	9.4	17,884	24,716	5.9	61,224	60,274	6,194	7,377
East North Central	144,339	205,409	19.5	83,518	103,199	9.8	132,639	145,068	14,306	15,088
West North Central	243,288	303,190	27.3	166,084	140,588	12.7	300,821	292,354	43,116	25,740
South Atlantic	9,517	90,879	8.2	12,230	20,330	1.9	20,640	73,377	2,608	4,968
East South Central	12,705	91,073	9.1	5,285	21,203	2.1	5,271	49,827	763	2,092
West South Central	15,635	67,715	6.7	9,332	17,720	1.7	26,934	75,724	2,803	2,703
Mountain	12,785	24,581	10.5	13,875	8,000	3.4	17,443	35,043	3,769	1,710
Pacific	35,200	51,220	19.3	13,662	15,612	5.9	151,094	115,871	8,021	9,385

Source: Bureau of the Census, Department of Commerce.

No. 604.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY STATES, 1924

State	Number of farms reporting—		Value (thousands of dollars) of—	
	Sales	Purchases	Farm products sold	Supplies purchased
New England:				
Maine	2,555	1,896	3,823	626
New Hampshire	428	1,701	375	911
Vermont	2,745	3,186	3,877	1,485
Massachusetts	2,091	2,278	4,145	1,462
Rhode Island	235	213	571	123
Connecticut	2,791	1,513	7,955	1,102
Middle Atlantic:				
New York	26,586	12,509	37,945	3,927
New Jersey	1,401	1,606	2,309	957
Pennsylvania	11,308	10,601	10,020	2,492
East North Central:				
Ohio	39,995	24,711	27,991	3,590
Indiana	28,550	14,558	17,213	1,774
Illinois	52,606	17,471	52,828	2,979
Michigan	38,730	25,124	19,552	3,607
Wisconsin	45,528	21,335	27,484	3,738
West North Central:				
Minnesota	79,891	26,066	73,261	3,844
Iowa	72,639	34,034	81,291	6,581
Missouri	60,860	33,343	32,575	4,588
North Dakota	12,913	5,527	17,032	1,363
South Dakota	17,769	8,835	18,651	1,451
Nebraska	28,139	15,461	32,741	3,715
Kansas	30,979	17,322	36,805	4,199
South Atlantic:				
Delaware	193	415	122	136
Maryland	6,121	3,817	7,298	910
Virginia	27,660	5,768	20,912	1,256
West Virginia	3,106	2,769	919	320
North Carolina	22,167	2,791	13,018	450
South Carolina	10,601	819	8,922	335
Georgia	13,376	2,388	9,082	304
Florida	7,755	2,063	13,104	1,257
East South Central:				
Kentucky	53,704	3,308	27,515	504
Tennessee	15,303	4,490	7,182	446
Alabama	11,365	7,640	7,029	1,021
Mississippi	10,701	5,855	8,102	721
West South Central:				
Arkansas	8,861	3,910	7,119	459
Louisiana	10,114	4,393	8,604	782
Oklahoma	19,049	4,878	20,854	664
Texas	29,691	4,539	39,147	794
Mountain:				
Montana	2,399	708	3,081	135
Idaho	3,272	1,040	2,712	144
Wyoming	1,231	512	1,009	226
Colorado	10,828	3,703	21,090	883
New Mexico	2,014	829	3,254	130
Arizona	523	222	1,514	65
Utah	3,775	974	2,368	116
Nevada	39	12	16	2
Pacific:				
Washington	13,205	6,500	20,564	3,470
Oregon	6,590	2,858	8,062	1,160
California	32,425	6,254	87,245	4,755

Source: Bureau of the Census, Department of Commerce.

No. 605.—FARMS REPORTING MOTOR VEHICLES, TELEPHONES, WATER PIPED INTO HOUSE, AND GAS OR ELECTRIC LIGHT, 1920

Division and State	Automobiles		Motor trucks		Tractors		Telephones		Water piped into house		Gas or electric light	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States	1,979,564	30.7	131,551	2.0	229,332	3.6	2,498,493	38.7	643,899	10.0	452,620	7.0
New England	40,269	25.7	7,284	4.7	2,245	1.4	80,510	51.4	74,954	47.9	24,000	15.3
Maine	11,686	24.2	1,061	2.2	605	1.3	23,632	49.0	18,020	37.4	4,625	9.6
New Hampshire	4,797	23.4	663	3.2	196	1.0	10,166	49.5	10,795	52.5	2,322	11.3
Vermont	7,611	26.2	570	2.0	424	1.5	16,752	57.6	18,301	62.9	3,328	11.4
Massachusetts	8,181	25.6	3,136	9.8	540	1.7	16,537	51.7	16,893	52.8	9,062	28.3
Rhode Island	1,198	29.3	471	11.5	69	1.7	1,685	41.3	1,451	35.5	700	17.1
Connecticut	6,796	30.0	1,377	6.1	411	1.8	11,738	51.8	9,524	42.0	3,963	17.5
Middle Atlantic	149,599	35.2	20,472	4.8	13,240	3.1	189,344	44.5	98,936	23.3	60,102	14.1
New York	68,003	35.2	8,636	4.5	7,021	3.6	91,973	47.6	45,487	23.5	24,382	12.9
New Jersey	11,731	39.5	3,075	10.4	845	2.8	9,434	31.9	7,047	23.7	4,551	15.3
Pennsylvania	69,865	34.5	8,761	4.3	5,374	2.7	87,887	43.5	46,402	22.9	30,669	15.2
East North Central	513,059	47.3	24,942	2.3	55,413	5.1	678,862	62.6	134,877	12.4	113,871	10.5
Ohio	119,511	46.6	6,960	2.7	9,934	3.9	159,478	62.1	41,531	16.2	37,745	14.7
Indiana	95,298	46.4	3,501	1.7	8,871	4.3	136,140	66.4	23,476	11.4	20,584	10.0
Illinois	125,586	52.9	5,907	2.5	21,932	9.2	173,572	73.2	26,676	11.2	23,273	9.8
Michigan	78,919	40.2	4,681	2.4	5,584	2.8	97,874	49.8	29,729	15.1	15,695	8.0
Wisconsin	93,798	49.6	3,893	2.1	9,092	4.8	111,798	59.1	13,465	7.1	16,574	8.8
West North Central	631,631	57.6	32,331	2.9	92,123	8.4	702,442	69.5	107,015	9.8	97,847	8.9
Minnesota	101,847	57.1	3,677	2.1	14,794	8.3	110,568	62.0	11,392	6.4	13,539	7.6
Iowa	156,081	73.1	8,669	4.1	19,427	9.1	183,852	86.1	33,851	15.9	32,552	15.3
Missouri	81,392	30.9	4,878	1.9	7,438	2.8	163,543	62.2	11,901	4.5	14,341	5.5
North Dakota	44,010	56.6	743	1.0	11,834	15.2	36,340	46.8	4,684	6.0	4,518	5.8
South Dakota	51,780	69.4	4,249	5.7	12,160	16.3	44,327	59.4	9,157	12.3	6,445	8.6
Nebraska	94,004	75.6	6,333	5.1	10,342	8.3	95,050	76.4	20,691	16.6	12,062	9.7
Kansas	102,517	62.0	3,782	2.3	16,128	9.8	128,763	77.9	15,339	9.3	14,390	8.7
South Atlantic	187,236	16.2	14,716	1.3	10,460	.9	164,213	14.2	38,775	3.3	45,407	3.9
Delaware	3,693	36.4	283	2.8	220	2.2	2,763	27.2	752	7.4	397	3.9
Maryland	16,049	33.5	2,556	5.3	1,410	2.9	11,755	24.5	6,702	14.0	3,330	7.0
District of Columbia	50	24.5	29	14.2	1	.5	67	32.8	51	25.0	52	25.5
Virginia	28,557	15.3	2,389	1.3	2,206	1.2	33,482	18.0	9,474	5.1	7,874	4.2
West Virginia	10,405	11.9	886	1.0	541	.6	37,789	43.3	4,974	5.7	12,900	14.8
North Carolina	41,839	15.5	2,551	.9	2,184	.8	33,029	12.2	4,423	1.6	7,816	2.9
South Carolina	30,709	15.9	1,609	.8	1,213	.6	10,943	5.7	3,443	1.8	5,170	2.7
Georgia	47,173	15.2	2,913	.9	2,083	.7	29,861	9.6	5,615	1.8	5,826	1.9
Florida	8,761	16.2	1,500	2.8	602	1.1	4,524	8.4	3,341	6.2	2,042	3.8
East South Central	81,830	7.8	4,869	.5	5,044	.5	196,692	18.7	15,999	1.5	21,720	2.1
Kentucky	28,532	10.5	1,455	.5	1,913	.7	73,145	27.0	5,139	1.9	5,925	2.2
Tennessee	22,446	8.9	1,302	.5	1,796	.7	56,880	22.5	4,800	1.9	4,554	1.8
Alabama	15,906	6.2	1,114	.4	737	.3	38,407	15.0	2,987	1.2	8,345	3.3
Mississippi	14,946	5.5	998	.3	598	.2	28,260	10.4	2,083	1.1	2,896	1.1
West South Central	173,609	17.4	8,960	.9	17,435	1.8	273,315	27.4	49,191	4.9	19,352	1.9
Arkansas	15,401	6.6	973	.4	1,423	.6	52,869	22.7	1,780	.8	2,643	1.1
Louisiana	9,494	7.0	793	.6	2,142	1.6	8,599	6.3	2,185	1.6	1,471	1.1
Oklahoma	49,017	25.5	2,070	1.1	5,786	3.0	71,613	37.3	6,640	3.5	7,010	3.7
Texas	99,697	22.9	5,124	1.2	8,084	1.9	140,234	32.2	38,580	8.8	8,228	1.9
Mountain	91,698	37.6	7,168	2.9	15,865	6.5	62,503	25.6	26,343	10.8	25,161	10.3
Montana	20,749	36.0	1,167	2.0	6,390	11.0	9,781	17.0	3,055	5.3	2,013	3.5
Idaho	18,651	39.5	779	1.9	1,468	3.5	13,837	32.9	5,240	12.4	5,982	14.2
Wyoming	6,180	39.2	554	3.5	969	6.2	4,449	28.3	1,035	6.6	717	4.6
Colorado	28,356	47.3	2,884	4.8	4,526	7.6	22,022	36.7	6,806	11.4	3,925	6.5
New Mexico	5,540	18.6	552	1.8	457	1.5	3,369	11.3	1,460	4.9	422	1.4
Arizona	4,534	45.5	527	5.3	820	8.2	1,638	16.4	1,988	19.9	502	5.9
Utah	8,246	32.1	544	2.1	553	2.2	6,295	24.5	6,179	24.1	11,125	43.4
Nevada	1,436	45.4	161	5.1	182	5.8	1,122	35.5	580	18.3	385	12.2
Pacific	110,640	47.2	10,809	4.6	17,507	7.5	90,612	38.7	97,809	41.8	45,180	19.3
Washington	27,626	41.7	3,172	4.8	2,474	3.7	27,952	42.2	18,967	28.6	9,178	13.8
Oregon	20,561	41.0	1,728	3.4	2,902	5.8	25,351	50.5	12,914	25.7	5,463	10.9
California	62,453	53.1	5,909	5.0	12,131	10.3	37,309	31.7	65,928	56.0	30,519	25.9

Source: Bureau of the Census, Department of Commerce.

No. 606.—FARMS REPORTING TRACTORS AND RADIO OUTFITS, 1925

NOTE.—For other farm equipment and conveniences in 1920 see Table 594

Division and State	Tractors		Radio outfits	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States	473,848	7.4	284,008	4.5
New England	7,319	4.6	19,005	11.9
Maine	1,684	3.4	3,493	7.0
New Hampshire	494	2.3	2,366	11.2
Vermont	1,500	5.4	2,778	10.0
Massachusetts	2,046	6.1	6,434	19.2
Rhode Island	280	7.2	1,246	31.9
Connecticut	1,315	5.7	2,688	11.6
Middle Atlantic	47,471	11.3	45,812	10.9
New York	24,350	12.9	24,623	13.0
New Jersey	4,113	13.9	6,256	21.1
Pennsylvania	19,008	9.5	14,933	7.4
East North Central	141,670	13.5	69,291	6.6
Ohio	29,951	12.2	15,916	6.5
Indiana	22,817	11.7	8,663	4.4
Illinois	41,435	18.4	27,436	12.2
Michigan	18,515	9.6	9,028	4.7
Wisconsin	28,952	15.0	8,248	4.3
West North Central	151,838	13.7	88,529	8.0
Minnesota	25,539	13.6	11,770	6.3
Iowa	35,692	16.7	23,645	11.1
Missouri	12,066	4.6	17,591	6.8
North Dakota	15,853	20.9	4,729	6.2
South Dakota	16,373	20.6	4,866	6.1
Nebraska	17,727	13.9	12,739	10.0
Kansas	28,587	17.2	13,189	8.0
South Atlantic	28,938	2.6	12,636	1.1
Delaware	619	6.0	342	3.3
Maryland	3,814	7.8	2,779	5.7
Dist. of Columbia	4	2.9	36	25.9
South Atlantic—Con.				
Virginia	6,362	3.3	3,715	1.9
West Virginia	1,765	2.0	1,741	1.9
North Carolina	7,595	2.7	1,357	.5
South Carolina	2,658	1.5	867	.5
Georgia	3,769	1.5	1,293	.5
Florida	2,352	4.0	506	.9
East South Central	13,299	1.3	6,484	.6
Kentucky	4,793	1.9	2,878	1.1
Tennessee	4,571	1.8	1,939	.8
Alabama	2,261	1.0	739	.3
Mississippi	1,674	.7	928	.4
West South Central	29,845	2.9	16,130	1.6
Arkansas	2,554	1.2	1,245	.6
Louisiana	2,466	1.9	448	.3
Oklahoma	9,954	5.0	2,707	1.4
Texas	14,871	3.2	11,730	2.5
Mountain	17,899	7.7	6,923	3.0
Montana	5,857	12.5	1,941	4.1
Idaho	1,796	4.4	805	2.0
Wyoming	1,219	7.9	623	4.0
Colorado	5,970	10.3	2,426	4.2
New Mexico	995	3.1	286	.9
Arizona	1,060	9.8	302	2.8
Utah	804	3.1	386	1.5
Nevada	198	5.1	154	4.0
Pacific	35,569	13.4	19,196	7.2
Washington	4,314	5.9	2,691	3.7
Oregon	5,364	9.6	3,251	5.8
California	25,891	19.0	13,254	9.7

Source: Bureau of the Census, Department of Commerce.

No. 607.—NUMBER OF TRACTORS ON FARMS, 1925

Division and State	Tractors
United States	505,933
New England	7,844
Maine	1,774
New Hampshire	531
Vermont	1,568
Massachusetts	2,212
Rhode Island	318
Connecticut	1,441
Middle Atlantic	49,864
New York	25,681
New Jersey	4,419
Pennsylvania	19,764
East North Central	146,665
Ohio	30,905
Indiana	23,567
Illinois	43,325
Michigan	19,217
Wisconsin	29,651
West North Central	161,559
Minnesota	26,739
Iowa	37,230
Missouri	12,745
North Dakota	17,483
South Dakota	17,426
Nebraska	18,765
Kansas	31,171
South Atlantic	31,075
Delaware	694
Maryland	4,026
Dist. of Columbia	8
Virginia	6,750
West Virginia	1,860
North Carolina	7,909
South Carolina	2,906
Georgia	4,145
Florida	2,777
East South Central	14,097
Kentucky	4,994
Tennessee	4,767
Alabama	2,465
Mississippi	1,871
West South Central	34,688
Arkansas	3,476
Louisiana	3,482
Oklahoma	10,950
Texas	16,780
Mountain	19,935
Montana	6,602
Idaho	1,927
Wyoming	1,323
Colorado	5,693
New Mexico	1,080
Arizona	1,239
Utah	850
Nevada	221
Pacific	40,206
Washington	4,490
Oregon	5,768
California	29,948

Source: Bureau of the Census, Department of Commerce.

26.—FARM PRODUCTS—VALUE, PRICES, ETC., AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics, which represent the trade of the "customs area" (see general note, p. 484)]

No. 608.—ESTIMATED VALUE OF FARM PRODUCTS

NOTE.—Values 1897 to 1908 are based on farm prices Dec. 1, while those for 1909 to 1926 are based on weighted prices for the crop year for crops and the calendar year for animal products. Prices used are averages for the United States. Beginning with 1919, a number of items which previously had not been included in making these estimates were added

[In millions of dollars]

Year	Crops	Animal products	Crops fed to livestock	Total, excl. crops fed to livestock	Year	Crops	Animal products	Crops fed to livestock	Total, excl. crops fed to livestock
1897	2,519	1,442	1,057	2,904	1912	6,709	3,778	3,110	7,467
1898	2,760	1,579	1,178	3,161	1913	6,717	4,099	2,930	7,886
1899 (census)	3,020	1,718	1,383	3,355	1914	7,268	4,249	3,352	8,165
1900	3,192	1,818	1,461	3,549	1915	7,957	4,303	3,622	8,638
1901	3,385	1,917	1,659	3,643	1916	10,395	4,862	4,868	10,359
1902	3,578	2,016	1,787	3,807	1917	14,277	6,539	6,867	13,949
1903	3,772	2,116	1,752	4,136	1918	14,814	8,082	6,392	10,504
1904	3,982	2,140	1,860	4,262	1919	16,561	8,275	7,159	17,677
1905	4,013	2,261	1,887	4,387	1920	11,578	7,709	4,476	14,811
1906	4,263	2,501	1,980	4,784	1921	7,759	5,589	3,080	10,268
1907	4,761	2,727	2,293	5,195	1922	9,430	5,651	3,870	11,211
1908	5,098	2,792	2,426	5,464	1923	10,401	6,271	4,290	12,382
1909	5,483	3,398	2,409	6,472	1924	10,770	5,902	4,453	12,219
1910	6,211	3,743	2,762	7,192	1925	10,170	6,647	3,783	13,034
1911	6,495	3,485	2,988	6,992	1926	9,266	7,300	3,581	12,985

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 609.—ESTIMATED FARM VALUE OF PRODUCTS, GROSS INCOME, AND CASH INCOME

NOTE.—Farm values of crops and animal products are obtained by multiplying State quantities by State average prices. Prices used in most cases are weighted averages—for animal products, calendar year averages; for crops, averages for the period during which the crop is marketed. Gross income represents value of farm production sold plus value of production retained for use in the farm home. Cash income excludes products used in the farm home

[All figures except percentages in millions and tenths of million dollars]

Product	Farm value					Gross income				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Grand total						11,405.9	12,043.4	11,649.6	11,703.3	11,815.9
All crops	10,537.2	10,008.3	9,284.6	10,082.6	9,740.5	6,239.6	6,224.7	5,539.9	5,908.0	5,743.5
Grains:										
Corn	2,438.9	2,046.6	2,023.2	2,368.6	2,341.5	429.1	386.5	324.3	408.5	423.4
Wheat	1,082.9	972.5	1,014.9	1,045.9	900.8	925.4	804.2	861.8	875.5	704.6
Oats	719.7	584.5	506.7	563.1	597.5	217.5	150.4	117.3	116.2	146.7
Barley	133.9	131.7	107.6	184.0	204.8	61.8	55.4	36.8	72.9	79.9
Other	224.6	181.7	166.3	212.5	182.2	120.0	95.6	90.0	117.7	91.5
Cotton and cottonseed	1,767.2	1,797.7	1,293.4	1,519.5	1,528.4	1,709.6	1,739.9	1,251.2	1,468.7	1,471.5
Flaxseed	68.7	50.7	39.3	49.7	37.3	65.2	47.3	36.2	46.9	34.3
Tobacco	259.1	250.8	236.7	256.9	276.4	259.1	250.8	236.7	256.9	276.4
Potatoes, sweet and white	394.4	635.6	594.4	550.5	376.8	338.0	531.9	501.0	475.8	316.2
Truck crops	300.4	344.7	301.2	306.4	319.8	300.4	344.7	301.2	306.4	319.8
Hay	1,413.2	1,254.6	1,268.4	1,280.9	1,183.0	230.1	204.0	192.6	179.6	178.6
Grass seeds	39.3	40.5	38.5	47.7	32.7	33.1	34.5	31.3	42.0	27.0
Beans and peas	119.4	119.9	103.3	129.5	139.4	55.7	58.1	46.6	56.1	71.2
Peanuts	69.3	58.2	45.1	71.1	59.9	39.9	35.7	29.3	42.0	34.4
Fruits and nuts	642.0	657.9	683.9	655.8	699.4	630.6	647.4	665.0	647.9	686.5
Sugar and related products	120.0	112.2	118.6	118.6	107.4	103.6	95.5	102.9	103.8	93.9
Farm gardens	295.4	301.6	284.3	266.1	303.7	295.4	301.6	284.3	266.1	303.7
Forest products	306.4	327.0	318.0	309.9	311.1	306.4	327.0	318.0	309.9	311.1
Nursery and greenhouse products	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
Other crops	44.8	42.6	43.4	48.8	41.3	15.3	16.9	16.2	16.1	15.4

No. 609.—Estimated Farm Value of Products, Gross Income, and Cash Income—Continued

[All figures except percentages in millions and tenths of millions of dollars]

Product	Farm value					Gross income				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Animal products	5,086.5	5,820.4	6,078.5	5,978.5	6,155.4	5,166.3	5,818.7	6,009.7	5,797.3	6,072.5
Meat animals:										
Cattle and calves	817.4	878.7	869.3	940.0	1,137.2	921.7	1,003.0	1,008.3	1,004.7	1,124.5
Hogs	1,188.9	1,599.3	1,777.0	1,570.6	1,387.5	1,324.0	1,666.0	1,757.9	1,508.0	1,478.9
Sheep and lambs	150.6	174.1	175.6	177.5	197.6	134.4	152.6	156.0	151.0	171.6
Poultry and eggs	979.3	1,133.8	1,197.7	1,124.9	1,190.5	974.6	1,008.0	1,149.7	1,089.2	1,175.3
Milk	1,767.4	1,852.2	1,896.9	2,005.1	2,061.5	1,677.6	1,758.8	1,804.6	1,910.5	1,965.4
Wool and mohair	93.9	103.0	95.7	93.8	119.5	93.9	103.0	95.7	93.8	119.5
Bee products	11.6	11.9	11.1	12.5	9.5	11.6	11.9	11.1	12.5	9.5
Horses and mules	77.4	67.5	55.3	54.1	52.2	28.7	25.3	26.3	27.7	27.8

Product	Cash income					Per cent distribution				
							Gross income		Cash income	
	1924	1925	1926	1927	1928	Farm value, 1928	1924–1928, average	1928	1924–1928, average	1928
Grand total	9,707.7	10,160.3	9,726.2	9,958.2	10,066.5		100.0	100.0	100.0	100.0
All crops	5,670.4	5,505.5	4,863.9	5,274.8	5,094.9	100.0	50.7	48.6	53.0	50.6
Grains	1,706.6	1,450.9	1,394.0	1,550.1	1,465.5				15.3	14.6
Corn	397.6	362.2	302.7	382.4	396.1	24.0	3.4	3.6	3.7	3.9
Wheat	911.3	788.6	848.5	862.2	752.6	9.2	7.2	6.5	8.4	7.5
Oats	217.5	150.4	117.3	116.2	146.7	6.1	1.3	1.2	1.5	1.5
Barley	61.8	55.4	36.8	72.9	70.9	2.1	.5	.7	.6	.8
Other	118.4	94.3	88.7	116.4	90.2	1.9	.9	.8	1.0	.9
Cotton and cottonseed	1,709.6	1,730.9	1,251.2	1,468.9	1,471.5	15.7	13.1	12.5	15.4	14.6
Flaxseed	65.2	47.3	36.2	46.9	34.3	.4	.4	.3	.5	.3
Tobacco	259.1	250.8	236.7	256.9	276.4	2.8	2.2	2.3	2.6	2.7
Potatoes, sweet and white	252.6	409.6	395.2	383.4	251.3	3.9	3.7	2.7	3.4	2.5
Truck crops	279.0	317.6	281.7	286.2	299.2	3.3	2.7	2.7	2.9	3.0
Hay	236.1	204.0	192.6	179.6	178.6	12.1	1.7	1.5	2.0	1.8
Grass seeds	33.1	34.5	31.3	42.0	27.0	.3	.3	.2	.3	.3
Beans and peas	53.8	56.2	45.1	54.7	60.6	1.4	.5	.6	.6	.7
Peanuts	38.8	34.8	28.4	41.1	33.5	.6	.3	.3	.4	.3
Fruits and nuts	562.8	578.0	596.8	586.8	617.7	7.2	5.6	5.8	5.9	6.1
Sugar and related products	84.4	78.2	82.9	85.5	77.2	1.1	.9	.8	.8	.8
Farm gardens						3.1	2.5	2.6		
Forest products	177.6	189.5	184.3	179.6	180.3	3.2	2.7	2.6	1.8	1.8
Nursery and greenhouse products	97.3	97.3	97.3	97.3	97.3	1.0	.8	.8	1.0	1.0
Other crops	15.3	16.9	16.2	16.1	15.4	.4	.1	.1	.2	.2
Animal products	4,137.3	4,654.8	4,856.3	4,683.4	4,971.7	100.0	49.3	51.4	47.0	49.4
Meat animals:										
Cattle and calves	895.4	974.1	981.2	974.1	1,089.7	18.5	8.7	9.5	9.9	10.8
Hogs	1,088.0	1,340.3	1,412.3	1,209.9	1,209.6	22.5	13.2	12.5	12.6	12.0
Sheep and lambs	131.5	149.5	153.0	147.7	168.3	3.2	1.3	1.5	1.5	1.7
Poultry and eggs	659.9	751.5	820.7	751.7	840.3	19.3	9.4	9.9	7.7	8.3
Milk	1,231.8	1,302.7	1,359.1	1,469.2	1,510.0	33.5	15.6	16.6	13.9	15.0
Wool and mohair	93.9	103.0	95.7	93.8	119.5	1.9	.9	1.0	1.0	1.2
Bee products	8.1	8.3	7.6	9.4	6.4	.2	.1	.1	.1	.1
Horses and mules	28.7	25.3	26.3	27.7	27.8	.8	.2	.2	.3	.3

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 610.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION: BY STATES

NOTE.—See headnote, Table 609.

[All figures in millions and tenths of millions of dollars]

Division and State	Crops					Animal production				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
United States [1]	6,239.6	6,224.7	5,539.9	5,906.0	5,743.5	5,166.3	5,818.7	6,009.75	6,797.3	6,072.5
New England	129.5	170.3	149.8	138.9	118.3	161.3	168.4	171.4	169.6	171.6
Maine	38.3	73.9	55.4	48.7	31.1	31.1	31.3	31.2	31.1	30.1
New Hampshire	11.4	12.9	11.8	11.0	10.0	19.1	19.0	19.5	18.7	20.0
Vermont	16.1	16.9	16.4	17.0	14.0	35.0	39.7	38.6	40.5	40.4
Massachusetts	33.4	37.2	35.2	34.0	34.2	40.2	39.9	41.5	39.8	40.5
Rhode Island	3.4	3.9	3.7	3.2	3.1	6.0	6.5	6.4	6.0	6.4
Connecticut	26.9	25.6	27.3	25.0	25.9	29.9	32.0	34.2	33.4	34.3
Middle Atlantic	364.4	408.8	354.7	338.7	316.7	446.9	488.8	491.7	504.4	532.7
New York	170.8	188.5	163.7	153.1	149.1	221.1	240.3	239.3	251.5	267.3
New Jersey	65.5	63.8	58.4	62.3	54.9	41.1	44.2	45.1	45.4	47.7
Pennsylvania	128.1	156.4	132.6	123.3	112.8	184.7	199.4	207.2	207.6	217.7
East North Central	771.1	788.8	724.0	627.7	642.1	1,208.6	1,348.7	1,405.9	1,380.9	1,391.8
Ohio	157.2	161.6	161.9	135.1	114.9	245.9	274.0	278.9	269.2	276.3
Indiana	118.5	126.8	125.2	94.7	90.2	209.5	228.5	235.6	229.0	243.0
Illinois	285.3	262.0	226.2	202.6	246.6	324.2	365.7	372.4	351.2	346.9
Michigan	131.0	136.1	121.1	114.2	114.6	162.2	173.2	183.0	183.0	186.3
Wisconsin	79.0	102.3	89.7	81.0	75.9	266.8	307.3	336.0	348.4	339.4
West North Central	1,187.4	984.2	812.9	1,034.4	974.1	1,717.9	2,004.7	2,105.6	1,885.4	1,994.1
Minnesota	168.6	157.2	124.2	113.8	109.8	258.4	313.3	333.2	311.3	334.1
Iowa	131.2	147.4	134.6	122.0	166.1	512.7	573.2	609.4	569.1	562.5
Missouri	141.6	149.6	116.7	115.6	110.5	262.9	294.5	310.1	292.8	303.9
North Dakota	231.8	187.6	113.6	187.9	158.0	68.7	87.3	95.6	80.7	86.1
South Dakota	100.1	75.9	31.1	107.6	63.2	137.4	173.9	175.9	140.6	161.1
Nebraska	152.6	116.4	89.7	182.7	133.1	265.9	311.5	327.2	270.0	299.1
Kansas	261.5	150.1	203.0	204.8	233.4	211.9	251.0	254.3	221.0	247.3
South Atlantic	986.7	1,010.7	951.1	997.9	928.1	370.9	391.9	389.9	400.3	417.1
Delaware	12.8	13.4	11.3	12.3	10.8	7.7	8.2	9.0	9.1	9.5
Maryland	49.5	56.3	55.7	55.6	41.3	38.6	41.3	40.8	43.7	45.6
Virginia	141.5	130.0	129.7	133.6	124.1	77.3	80.6	79.7	84.6	90.0
West Virginia	40.9	40.6	43.2	40.3	42.0	43.1	48.5	52.3	50.3	53.8
North Carolina	277.0	306.3	296.1	303.2	282.8	73.6	77.6	81.3	78.5	81.9
South Carolina	153.6	153.6	136.3	142.6	128.3	38.8	37.2	35.9	36.1	37.1
Georgia	217.2	217.4	194.5	215.8	195.2	70.6	77.5	77.8	76.3	76.7
Florida	94.2	93.0	84.5	89.5	103.6	21.2	21.0	23.2	21.7	22.6
East South Central	651.0	759.4	591.1	641.3	642.2	293.7	322.7	333.9	326.5	330.2
Kentucky	131.7	127.0	104.5	100.9	130.9	102.5	112.7	117.0	118.8	117.5
Tennessee	145.8	144.2	128.5	132.0	134.6	83.6	97.3	100.0	98.5	100.5
Alabama	186.9	207.0	167.5	196.9	173.8	56.8	60.3	63.0	55.5	55.3
Mississippi	186.7	281.1	190.6	211.6	202.9	50.8	52.4	54.0	53.7	56.8
West South Central	1,352.5	1,181.9	1,066.2	1,125.5	1,180.1	369.6	420.7	420.9	456.1	477.9
Arkansas	197.6	210.2	158.1	168.5	181.8	53.5	58.1	64.0	61.6	60.4
Louisiana	118.6	166.9	124.7	127.4	135.8	31.4	34.5	33.1	32.7	30.9
Oklahoma	295.4	246.9	233.6	204.4	220.0	87.7	109.0	104.8	118.1	129.4
Texas	740.8	558.0	549.7	625.2	642.5	197.1	219.2	219.1	243.7	257.2
Mountain	283.3	318.7	288.5	349.0	307.9	312.0	355.9	364.2	355.2	408.2
Montana	75.4	61.3	64.5	99.5	77.0	56.5	70.0	76.7	63.0	77.5
Idaho	47.2	80.6	58.4	76.0	60.1	48.1	55.3	52.6	51.5	60.7
Wyoming	10.9	13.3	13.2	14.8	14.1	34.3	38.2	38.8	39.4	47.3
Colorado	75.3	79.8	80.5	82.2	67.7	68.5	81.2	83.1	77.6	88.7
New Mexico	23.0	17.5	21.1	17.8	20.3	31.0	33.3	33.6	41.8	43.6
Arizona	27.3	28.5	25.1	31.4	40.5	22.2	25.3	24.2	29.2	30.4
Utah	21.2	34.0	23.2	24.8	25.3	35.0	36.1	36.7	37.0	42.2
Nevada	3.0	3.7	2.6	2.5	3.0	16.3	16.6	18.4	15.7	17.9
Pacific	509.5	598.7	598.6	649.4	630.1	285.5	321.9	316.2	319.1	348.9
Washington	94.1	130.1	113.3	132.7	111.8	60.4	72.9	70.9	72.3	78.2
Oregon	53.6	67.0	65.1	70.8	63.1	58.5	68.7	67.2	66.0	72.3
California	361.7	401.5	420.3	445.9	455.2	166.5	180.2	178.0	180.7	198.5

[1] United States totals for crops include small amounts of sugar beets not distributed by States as follows: 1924, $4,200,000; 1925, $3,300,000; 1926, $3,000,000; 1927, $3,200,000; 1928, $3,900,000.

Source: Bureau Agricultural Economics, Department of Agriculture.

No. 611.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923-1925=100]

Yearly average or year and month	Farm prices, 30 commodities							Wholesale prices			
	Farm products	Grains	Fruits and vegetables	Meat animals	Dairy products	Poultry products	Cotton and cottonseed	Farm products	Grains	Livestock and poultry	Other farm products
1910-1914	72	75	71	86	71	66	48	69.4	72.4	86.6	59.8
1915-1920	121	144	120	138	100	109	93	120.1	144.4	134.0	102.6
1921-1925	94	92	103	97	100	100	86	95.4	94.0	97.9	94.3
1913	72	69	66	92	71	67	48	69.6	69.5	85.8	61.5
1921	83	84	106	92	106	107	50	86.0	87.1	91.7	81.6
1922	89	79	109	96	96	92	78	91.2	83.1	97.5	89.8
1923	97	86	97	90	106	96	107	95.9	86.0	91.1	101.4
1924	96	97	89	92	96	97	105	97.3	98.3	93.0	99.2
1925	106	117	114	118	98	107	88	106.8	115.6	115.9	99.5
1926	98	97	135	124	97	103	61	97.3	97.8	117.2	86.9
1927	94	96	111	118	99	93	64	96.7	98.6	115.9	86.2
1928	100	98	104	127	100	99	76	103.0	104.9	123.6	91.9
1929	99	91	97	132	100	105	72	102.0	95.2	124.4	92.6
Per cent change, 1928 to 1929	−1.0	−7.1	−6.7	+3.9	.....	+6.1	−5.3	−1.0	−9.2	+.6	+.8
1928											
January-March	98	97	112	118	103	98	73	101.9	106.4	115.9	93.2
April-June	104	114	126	125	97	83	80	105.1	120.1	121.5	92.0
July-September	102	95	100	139	98	95	77	104.7	99.2	137.9	89.4
October-December	97	85	79	128	103	121	73	100.1	93.0	119.6	92.8
December	96	84	77	121	104	130	74	100.8	92.2	116.2	95.0
1929											
January-March	98	90	79	129	103	102	75	103.2	97.3	123.0	95.0
April-June	98	86	83	139	99	89	74	100.6	89.1	131.2	88.6
July-September	102	96	108	138	98	101	73	104.2	98.8	130.6	92.3
October-December	99	91	117	124	101	120	67	99.5	95.0	112.2	94.2
December	97	89	116	121	100	135	65	99.1	95.3	110.9	94.0

No. 612.—INDEX NUMBERS OF PRICES RECEIVED AND PAID BY FARMERS AND OF WHOLESALE PRICES

[1923-1925=100]

Yearly average or year and month	Prices received for farm products	Prices paid by farmers for commodities bought [1]			Wages paid to hired farm labor	Wholesale prices			
		Total	For living	For production		All commodities	Farm products	Foods	Other commodities
1910-1914	72	65	61	69	60	68	69	68	(2)
1915-1920	121	104	102	106	98	115	120	111	(2)
1921-1925	94	100	100	99	95	99	95	98	100
1913	72	65	61	70	62	69	70	68	68
1920	147	133	139	121	143	153	147	145	158
1921	83	101	101	98	90	97	86	96	102
1922	89	98	98	97	87	96	91	93	100
1923	97	99	99	98	99	100	96	98	102
1924	96	99	99	99	99	97	97	96	97
1925	106	103	101	103	101	103	107	106	100
1926	98	101	101	99	102	99	97	106	98
1927	94	99	99	99	102	95	97	102	91
1928	100	101	99	101	101	97	103	107	91
1929	99	100	98	101	102	96	102	105	91
1928									
March	99	100	99	100	99	95	101	104	91
June	105	101	99	102	102	97	104	106	91
September	101	100	100	99	105	99	106	113	91
December	97	101	99	101	97	96	101	104	91
1929									
March	101	101	99	102	[3] 100	97	104	104	91
June	97	100	98	101	[3] 104	96	100	105	91
September	101	100	99	101	[3] 104	97	104	109	91
December	97	99	98	100	[3] 95	94	99	104	89

[1] Annual indexes are based on retail prices paid by farmers, reported quarterly. [2] Not computed.
[3] Wages are for April, July, and October, 1929, and January, 1930.

Source of Tables 599 and 600: Computed from data of Departments of Agriculture and Labor.

No. 613.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS: YEARS ENDED JUNE 30

[All figures, except percentages, in thousands of dollars]

Yearly average or year ended June 30—	Agricultural exports [1]			Agricultural imports [1]		Forest products [2]		
	United States products		Foreign products (reexports)	Total	Per cent of all imports	Exports		Imports
	Total	Per cent of all exports [3]				United States products	Foreign products (reexports)	
1857–1861	215,709	81.1	10,355	121,098	38.5	9,995	781	5,962
1862–1866	148,866	75.7	9,237	123,639	43.5	7,366	749	7,094
1867–1871	250,713	76.9	8,785	182,756	43.0	11,775	444	11,831
1872–1876	396,666	78.5	9,177	268,481	47.4	17,907	636	14,403
1877–1881	591,351	80.4	8,745	273,780	51.8	17,579	440	14,610
1882–1886	557,473	76.3	9,802	324,607	48.8	24,705	955	21,354
1887–1891	573,287	74.7	7,273	381,967	50.3	26,061	1,152	24,630
1892–1896	638,748	73.0	9,419	415,975	53.9	29,276	734	27,448
1897–1901	827,566	65.9	13,009	403,705	53.8	45,961	1,236	25,172
1902–1906	879,541	50.5	14,553	526,806	50.0	63,585	1,219	40,960
1907–1911	975,399	53.9	10,812	705,800	50.2	88,764	1,803	65,822
1912–1916	1,256,452	45.1	28,070	1,028,629	55.7	92,129	1,768	81,467
1917–1921	2,850,558	42.7	82,830	2,164,337	61.5	120,260	3,596	168,982
1922–1926	1,950,850	45.9	58,806	1,981,467	54.3	141,078	1,713	214,824
1909	903,238	55.1	12,779	701,780	53.5	72,442	1,789	60,753
1910	871,158	50.9	22,162	791,372	50.3	85,030	2,110	76,009
1911	1,030,794	51.2	20,573	770,781	50.5	103,039	1,679	71,736
1912	1,050,627	48.4	17,171	886,309	53.6	108,122	1,350	69,551
1913	1,123,652	46.3	19,652	912,925	50.4	124,836	2,809	82,878
1914	1,113,974	47.8	20,286	998,346	52.7	106,979	1,961	81,162
1915	1,475,938	54.3	38,222	997,184	59.6	52,554	1,287	79,451
1916	1,518,071	35.5	45,017	1,348,291	61.3	68,155	1,435	94,285
1917	1,968,253	31.6	45,420	1,598,091	60.1	68,919	3,392	129,580
1918	2,280,466	39.1	44,210	1,825,417	62.0	87,181	1,409	128,490
1919	3,579,918	50.6	105,587	1,929,384	62.3	113,275	3,758	132,588
1920	3,861,511	48.6	128,191	3,408,977	65.1	190,049	5,380	220,092
1921	2,607,641	40.8	90,740	2,059,816	56.4	141,876	4,043	225,162
1922	1,915,866	51.8	43,587	1,371,510	52.6	94,115	2,316	156,844
1923	1,799,168	46.3	48,393	2,076,371	54.9	129,982	1,945	234,599
1924	1,867,098	44.2	62,719	1,874,622	52.7	162,374	1,563	216,711
1925	2,280,381	47.7	64,168	2,056,619	53.8	156,187	1,291	227,423
1926	1,891,730	40.7	75,162	2,528,213	56.6	162,731	1,450	238,545
1927	1,907,804	39.2	72,169	2,280,340	53.6	171,970	1,365	238,247
1928	1,815,451	38.0	73,391	2,193,091	52.9	174,599	1,528	215,874
1929 [4]	1,847,567	35.0	63,942	2,178,470	50.8	180,893	2,157	222,259

[1] Does not include forest products, but includes crude rubber and similar gums.
[2] Exports of foreign products exclude crude rubber and similar gums.
[3] Based on total exports of United States merchandise.
[4] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations.

No. 614.—VALUE OF AGRICULTURAL EXPORTS: BY MAJOR GROUPS

NOTE.—In millions and tenths of millions of dollars. Excludes reexports of foreign products

Yearly average or year (calendar)	Total agricultural exports	Animals and products, edible	Dairy products and eggs	Grains and preparations	Vegetables, fruits, and nuts	Miscellaneous animal and vegetable products	Cotton	Tobacco
1910–1914 (fiscal)	1,035.7	151.8	6.3	147.3	35.0	98.7	551.9	44.8
1920	3,452.3	472.8	96.7	1,085.9	117.9	296.9	1,136.4	245.5
1921	2,114.9	309.1	56.3	758.4	90.4	161.4	534.2	205.1
1922	1,884.4	202.2	34.9	516.0	93.6	158.1	673.3	146.5
1923	1,820.5	309.6	36.4	311.4	87.7	115.0	807.1	153.4
1924	2,110.1	275.5	35.7	433.8	117.1	133.3	950.6	164.1
1925	2,136.2	271.3	31.1	351.8	121.1	147.3	1,059.8	153.8
1926	1,816.7	238.2	26.8	355.7	132.6	112.1	814.4	136.9
1927	1,884.6	182.6	25.3	443.8	143.6	123.4	826.3	139.7
1928	1,863.1	182.9	24.7	315.7	152.0	113.4	920.0	154.5
1929	1,693.0	198.7	22.1	286.4	162.8	106.1	770.8	146.1

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 615.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years and exclude reexports of foreign products

Products	1910–1914 (fiscal)	1922	1923	1924	1925	1926	1927	1928	1929
Grand total	1,035.7	1,884.4	1,820.5	2,110.1	2,136.2	1,816.7	1,884.6	1,863.1	1,693.0
Live animals	13.0	11.4	6.3	6.1	8.5	5.5	6.7	6.5	5.8
Meats	62.7	134.5	149.4	113.4	117.9	98.7	64.2	60.9	72.5
Eggs and dairy products	6.3	34.9	36.4	35.7	31.1	26.8	25.3	24.7	22.1
Animal fats and oils	83.6	118.2	158.5	159.0	150.3	136.2	116.8	119.4	124.1
Hides and skins	3.2	4.0	4.9	12.8	12.0	10.8	11.5	11.1	6.8
Bread grains [1]	107.6	339.8	236.1	371.5	275.2	300.5	367.9	214.5	199.3
Coarse grains	36.8	159.8	61.1	54.5	72.7	50.0	63.8	87.6	72.5
Rice	.6	15.5	12.9	7.0	3.3	4.9	11.8	13.2	14.1
Fodders and feeds	28.1	22.4	21.7	29.4	33.8	28.2	32.9	30.9	32.7
Vegetables	5.8	15.3	16.4	16.8	16.2	17.8	18.7	18.9	21.4
Fruits	29.4	74.4	67.5	96.5	100.7	110.3	120.1	127.8	136.0
Vegetable oils, expressed, oil-seeds, and nuts	21.2	15.8	11.9	10.9	14.1	11.0	13.4	12.7	10.3
Coffee and substitutes	7.3	5.5	5.7	7.5	8.0	9.2	6.3	3.5	2.9
Sugar and related products	9.5	77.3	36.1	32.8	36.1	14.6	17.3	16.0	13.3
Seeds, except oilseeds	2.6	4.4	3.3	3.3	3.5	4.0	3.6	2.7	3.3
Tobacco	44.8	146.5	153.4	164.1	153.8	136.9	139.7	154.5	146.1
Cotton	551.9	673.3	807.1	950.9	1,059.8	814.4	826.3	920.0	770.8
Wool and hair	1.3	1.2	1.5	1.9	2.4	2.0	2.7	2.5	2.4
All other	19.9	30.2	30.3	36.3	36.8	34.9	35.9	35.5	36.6

[1] Includes wheat and rye; also flour and flour products.

No. 616.—AGRICULTURAL EXPORT INDEXES: QUANTITY AND VALUE

Yearly average or year	Agricultural exports, other than cotton and tobacco			Cotton			Tobacco		
	Quantity	Unit Value	Value	Quantity	Unit Value	Value	Quantity	Unit Value	Value
1910–1914	100	100	100	100	100	100	100	100	100
1920	195	242	472	72	287	206	120	455	548
1921	218	144	313	75	129	97	133	345	458
1922	195	125	242	71	173	122	111	295	327
1923	155	127	196	62	237	146	123	279	343
1924	169	134	227	78	222	172	147	249	366
1925	134	157	210	98	196	192	135	256	343
1926	137	144	197	105	141	148	136	226	306
1927	151	138	209	108	139	150	143	219	312
1928	136	132	180	102	164	167	184	188	345
1929	136	130	177	88	159	140	177	185	326

No. 617.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

Group	Relative numbers, 1929, as compared with 1928 as 100			Relative numbers, 1929, as compared with 1910–1914 as 100		
	Quantity	Unit Value	Value	Quantity	Unit Value	Value
Total agricultural exports other than cotton and tobacco	178	99	177	134	132	177
Animal products, edible	109	100	109	108	127	131
Dairy products and eggs	90	100	90	215	163	351
Grains and preparations	94	97	91	149	131	195
Vegetables, fruits, and nuts	106	101	107	330	141	465
Cotton	87	97	84	90	155	140
Tobacco	97	98	95	(1)	(1)	(1)

[1] Not computed.

Source of Tables 615, 616, and 617: Bureau of Foreign and Domestic Commerce, Department of Commerce.

27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

No. 618.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

NOTE.—For 1880, 1890, 1900, 1910, 1920, and 1925 census enumerations; for other years estimates of the Department of Agriculture. Data are for Jan. 1 except as indicated; the difference in date affects the comparability of the figures for all classes and especially for swine. Animals of all ages are included. Value excludes asses and burros and goats

Jan. 1—	Number (thousands)							Value of all animals (thousands of dollars)
	Horses	Mules	All cattle	Dairy cows [1]	Other cattle	Sheep	Swine	
1880 (June 1, census)	10,357	1,813	39,676	12,443	27,232	42,192	49,773	----------
1890 (June 1, census)	15,266	2,252	57,649	16,512	41,137	40,876	57,427	----------
1900 (June 1, census)	18,267	3,265	67,719	17,136	50,584	61,504	62,868	2,970,121
1905	17,058	2,889	61,241	17,572	43,669	45,170	47,321	3,006,581
1908	19,992	3,869	71,267	21,194	50,073	64,631	56,084	4,331,230
1909	20,640	4,053	71,099	21,720	49,379	56,084	54,147	4,525,259
1910 (Apr. 15, census)	19,833	4,210	61,804	[1] 17,125	41,178	52,448	58,186	4,740,684
1911	20,277	4,323	60,502	20,823	39,679	53,633	65,620	5,276,438
1912	20,509	4,362	57,959	20,699	37,260	52,362	66,410	5,008,327
1913	20,567	4,386	56,527	20,497	36,030	51,482	61,178	5,501,783
1914	20,962	4,449	56,592	20,737	35,855	49,719	58,033	5,890,471
1915	21,195	4,479	58,329	21,262	37,067	49,956	64,618	5,969,253
1916	21,159	4,593	61,920	22,108	39,812	48,625	67,766	6,020,670
1917	21,210	4,723	64,583	22,894	41,689	47,616	67,503	6,735,612
1918	21,555	4,873	67,422	23,310	44,112	48,603	70,978	8,284,198
1919	21,482	4,954	68,560	23,475	45,085	48,866	74,584	8,827,894
1920 (census)	19,767	5,432	66,640	19,675	46,964	35,034	59,346	7,596,877
1921	19,134	5,586	67,184	21,408	45,776	38,690	58,711	6,053,128
1922	18,504	5,638	67,264	21,788	45,476	36,186	59,355	4,758,232
1923	17,943	5,702	66,156	22,063	44,093	36,212	68,447	5,048,049
1924	17,222	5,730	64,507	22,255	42,252	36,876	65,937	4,748,086
1925 (census)	16,401	5,681	60,760	17,645	43,115	35,590	50,854	4,439,966
1926	15,830	5,740	59,122	22,188	36,934	39,730	52,148	5,003,301
1927	15,133	5,652	56,832	21,801	35,031	41,881	54,788	5,033,321
1928	14,495	5,504	55,676	21,828	33,848	44,795	60,617	5,514,464
1929	13,905	5,390	56,467	21,919	34,548	47,509	56,880	6,003,598
1930	13,440	5,322	57,967	22,490	35,468	48,913	52,600	5,864,969

[1] Cows 2 years and over kept for milk Jan. 1, 1910, estimated. Census reported dairy cows and heifers born before Jan. 1, 1909, as 20,625,432.

No. 619.—DOMESTIC ANIMALS IN THE UNITED STATES: NUMBER ON FARMS AND NOT ON FARMS, AND VALUE OF THOSE ON FARMS

NOTE.—By reason of the change in date of enumeration from Apr. 15 in 1910 to Jan. 1 in 1920 and 1925 the earlier figures are not very closely comparable

Kind	Total number (thousands)		On farms						Not on farms, number (thousands)	
			Number (thousands)			Value (thousands of dollars)				
	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)
All domestic animals	------	------	------	------	------	4,760,069	7,622,641	[1] 4,450,216	------	------
All cattle	63,683	68,751	61,804	66,640	60,760	1,499,524	3,651,521	2,019,489	1,879	2,112
Dairy cows [2]	21,796	20,896	20,625	19,675	17,645	706,236	1,507,513	912,532	1,170	1,221
Horses, mules, asses, and burros	27,618	27,371	24,149	25,272	[1] 22,082	2,622,180	2,569,570	[1] 1,451,041	3,470	2,099
Horses	23,016	21,473	19,833	19,707	16,401	2,083,588	1,782,077	1,001,521	3,183	1,706
Mules	4,480	5,811	4,210	5,432	5,631	525,392	779,294	449,520	270	378
Asses and burros	122	87	106	72	[3]	13,200	8,198	[3]	17	15
Sheep	52,839	35,484	52,448	35,034	35,590	232,342	395,401	354,485	391	450
Goats	3,030	3,564	2,915	3,459	3,370	6,176	17,565	10,250	115	105
Swine	59,474	61,985	58,186	59,346	50,854	399,338	988,582	614,951	1,288	2,638

[1] Exclusive of asses and burros.
[2] Figures for 1920 and 1925 represent dairy cows and heifers 2 years old and over; those for 1910 include dairy cows and heifers born before Jan. 1, 1909.
[3] Not reported.

Source: Bureau of the Census, Department of Commerce.

No. 620—DOMESTIC ANIMALS: NUMBER ON

NOTE.—By reason of the change in date of census enumeration from Apr. 15,

[All figures

Division and State	Horses				Mules				All cattle			
	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Jan. 1)
United States	**19,833**	**19,767**	**16,401**	**13,440**	**4,210**	**5,432**	**5,681**	**5,322**	**61,804**	**66,640**	**60,760**	**57,967**
New England	355	305	259	202	2	3	3	(2)	1,337	1,320	1,119	1,137
Maine	108	94	82	67	(2)	(2)	1	(2)	257	301	236	227
New Hampshire	46	38	31	23	(2)	(2)	(2)	(2)	168	164	121	120
Vermont	81	77	63	50	(2)	1	1	(2)	430	435	393	430
Massachusetts	64	51	44	32	(2)	(2)	1	(2)	252	216	188	185
Rhode Island	10	7	5	4	(2)	(2)	(2)	(2)	34	31	27	28
Connecticut	46	38	34	26	(2)	1	1	(2)	195	174	153	147
Middle Atlantic	1,230	1,115	907	769	62	68	65	62	4,233	3,869	3,309	3,598
New York	591	536	440	374	4	7	7	6	2,423	2,144	1,837	1,991
New Jersey	89	73	57	49	4	6	5	5	223	179	153	167
Pennsylvania	550	506	410	346	44	55	53	51	1,587	1,546	1,319	1,440
East North Central	4,401	4,114	3,303	2,737	259	310	315	2,757	9,819	10,898	9,656	9,571
Ohio	910	811	630	500	23	32	33	31	1,838	1,927	1,653	1,634
Indiana	814	717	556	471	82	100	101	91	1,363	1,546	1,282	1,333
Illinois	1,453	1,297	1,030	814	148	168	168	140	2,441	2,788	2,305	2,106
Michigan	610	606	482	397	4	6	7	6	1,498	1,586	1,406	1,507
Wisconsin	615	683	604	555	3	4	6	7	2,080	3,051	3,010	2,991
West North Central	6,794	6,842	5,968	5,000	718	847	892	698	17,648	20,163	19,204	17,306
Minnesota	753	933	835	771	6	10	13	15	2,347	3,021	2,853	2,847
Iowa	1,492	1,387	1,180	1,025	56	82	97	89	4,448	4,548	4,204	3,922
Missouri	1,073	906	708	563	343	389	372	300	2,561	2,782	2,372	2,172
North Dakota	651	856	731	570	8	8	9	9	744	1,335	1,341	1,236
South Dakota	669	817	720	586	12	15	21	20	1,535	2,348	2,022	1,666
Nebraska	1,008	961	862	757	83	100	120	98	2,932	3,154	3,283	3,048
Kansas	1,147	1,083	931	728	208	243	260	167	3,079	2,975	3,008	2,915
South Atlantic	1,111	1,039	908	815	749	1,079	1,023	998	4,839	4,703	4,135	3,781
Delaware	33	28	22	18	6	9	9	9	55	47	46	52
Maryland	155	141	117	95	23	33	31	27	288	283	273	291
Dist. of Col	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1	1	1	(2)
Virginia	330	312	260	192	60	97	102	107	859	910	807	789
West Virginia	180	169	143	122	12	15	15	14	620	587	568	620
North Carolina	166	171	131	93	175	257	230	279	701	645	539	537
South Carolina	80	78	49	34	155	220	199	174	390	434	341	295
Georgia	120	101	54	37	295	406	344	347	1,080	1,157	906	840
Florida	46	39	29	24	23	42	43	41	846	639	656	480
East South Central	1,145	1,046	768	593	1,004	1,250	1,277	1,249	3,943	4,547	3,686	3,549
Kentucky	443	382	307	248	225	293	294	256	1,001	1,093	905	955
Tennessee	350	318	242	192	276	353	352	320	997	1,159	986	997
Alabama	136	130	87	57	247	296	303	330	932	1,044	822	695
Mississippi	216	215	131	96	256	308	328	343	1,013	1,250	923	902
West South Central	2,349	2,160	1,760	1,390	1,286	1,685	1,893	1,841	10,721	10,108	9,009	8,953
Arkansas	255	252	182	132	222	323	341	346	1,028	1,073	810	810
Louisiana	181	179	131	97	132	180	173	171	805	804	697	567
Oklahoma	743	738	608	479	257	337	368	313	1,954	2,074	1,657	1,899
Texas	1,170	991	838	682	676	846	1,010	1,011	6,935	6,157	5,846	5,677
Mountain	1,427	2,076	1,850	1,534	49	89	112	108	6,061	7,600	7,406	6,486
Montana	316	669	594	500	4	9	10	11	943	1,269	1,322	1,152
Idaho	198	203	233	194	4	8	8	7	454	715	606	606
Wyoming	156	198	200	171	2	3	5	5	787	875	783	749
Colorado	294	421	365	302	15	31	38	31	1,128	1,757	1,436	1,277
New Mexico	180	183	187	150	15	20	31	34	1,082	1,300	1,267	1,045
Arizona	100	136	112	84	4	12	12	12	825	822	1,069	923
Utah	116	125	110	95	2	3	4	4	412	506	504	444
Nevada	68	50	50	38	3	2	4	4	450	356	419	290
Pacific	1,021	970	780	600	92	101	101	917	3,204	3,432	3,285	3,086
Washington	231	296	242	186	12	23	26	27	402	573	582	568
Oregon	272	272	224	166	10	14	19	19	725	851	784	700
California	469	402	314	248	70	63	56	45	2,077	2,008	1,918	1,818

[1] 1 year old and over. Figures for 1910 are number reported as living Apr. 15, 1910, which had been born before Jan. 1, 1909; that is, 15½ months old and over on Apr. 15, or 1 year old and over on Jan. 1, 1910.

FARMS, BY DIVISIONS AND STATES, 1910 TO 1930

1910, to Jan. 1 in 1920 and 1925, the 1910 figures are not very closely comparable

in thousands]

Dairy cows [1]				Sheep				Swine				Division and State
1910	1920 (Jan. 1)	1925 (Jan. 1)	1930	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Jan. 1)	
20,625	23,724	20,714	22,499	52,448	35,034	35,590	48,913	58,186	59,348	50,854	52,600	U. S.
342	1,016	920	775	431	243	154	171	397	384	193	189	N. Eng.
157	217	181	138	206	119	85	80	87	91	54	42	Me.
101	119	97	77	44	28	16	20	45	42	16	19	N. H.
265	346	325	294	119	63	35	42	95	73	44	33	Vt.
172	174	164	134	33	19	10	11	103	104	58	74	Mass.
23	25	24	21	7	3	2	2	14	13	4	4	R. I.
123	135	120	111	22	11	7	7	52	61	17	17	Conn.
2,598	2,928	2,670	2,397	1,844	1,098	893	934	1,791	1,931	1,050	898	Mid. Atl.
1,510	1,730	1,552	1,383	930	579	473	461	666	601	259	232	N. Y.
154	148	135	125	31	10	6	6	147	139	56	51	N. J.
934	1,050	983	889	883	509	415	467	978	1,191	734	615	Pa.
4,830	6,082	5,877	5,524	9,542	5,073	4,479	5,365	14,461	14,183	11,774	11,119	E. N. C.
905	1,059	968	908	3,909	2,103	1,941	2,065	3,106	3,084	2,368	1,963	Ohio.
634	727	691	721	1,337	644	595	792	3,614	3,757	2,939	2,758	Ind.
1,050	1,148	969	1,006	1,060	638	566	713	4,086	4,639	4,249	4,437	Ill.
767	967	944	866	2,306	1,209	1,056	1,339	1,246	1,106	855	630	Mich.
1,474	2,180	2,304	2,023	930	480	310	456	1,809	1,596	1,363	1,331	Wis.
5,328	5,435	4,403	6,095	5,065	4,950	4,007	6,362	21,282	21,715	24,600	28,165	W. N. C.
1,085	1,532	1,565	1,512	638	500	379	805	1,520	2,381	2,715	3,342	Minn.
1,407	1,094	822	1,340	1,146	1,092	818	1,131	7,546	7,864	8,567	10,041	Iowa.
856	793	617	860	1,811	1,272	894	947	4,438	3,889	3,502	3,810	Mo.
259	461	385	495	293	299	311	645	332	458	784	681	N. Dak.
370	406	292	528	611	844	644	1,067	1,010	1,954	2,600	2,282	S. Dak.
614	517	268	638	294	573	647	1,208	3,430	3,436	4,236	5,274	Nebr.
736	681	454	722	272	361	315	559	3,000	1,733	2,197	2,735	Kans.
1,811	2,012	1,549	1,736	2,514	1,209	1,077	1,414	5,964	6,536	4,176	3,725	S. Atl.
36	38	39	38	8	3	2	2	49	39	24	23	Del.
167	189	196	193	237	103	92	111	302	306	188	189	Md.
1	1	1	(3)	------	(2)	(3)	(3)	1	1	1	(3)	D. C.
356	418	329	396	805	342	351	470	798	941	582	503	Va.
240	210	154	226	910	510	441	605	328	305	177	173	W. Va.
309	355	292	312	214	91	67	103	1,228	1,271	872	803	N. C.
181	229	178	143	38	24	14	15	665	845	535	390	S. C.
406	484	308	350	188	72	51	49	1,784	2,071	1,300	1,154	Ga.
116	90	52	78	114	65	60	59	810	755	498	490	Fla.
1,628	2,031	1,593	1,717	2,496	1,318	1,155	1,464	5,439	6,207	3,453	2,867	E. S. C.
410	515	433	498	1,363	708	696	996	1,492	1,504	919	702	Ky.
397	495	416	456	795	364	290	366	1,388	1,832	1,009	741	Tenn.
392	491	363	353	143	82	56	68	1,267	1,497	827	804	Ala.
430	530	381	410	195	164	114	34	1,292	1,373	698	620	Miss.
2,260	2,296	1,730	2,212	2,194	2,909	3,359	5,882	7,022	5,758	3,451	3,245	W. S. C.
426	517	325	400	144	100	51	50	1,519	1,378	847	794	Ark.
279	218	116	204	178	130	109	115	1,328	851	518	415	La.
531	560	429	634	62	105	62	167	1,830	1,304	920	1,008	Okla.
1,014	1,002	860	974	1,809	2,573	3,137	5,550	2,330	2,226	1,166	1,028	Tex.
514	754	723	902	22,770	13,207	15,130	20,240	641	1,193	1,311	1,300	Mountain.
78	153	122	186	5,381	2,083	2,188	3,913	99	167	278	328	Mont.
86	143	171	178	3,010	2,356	1,746	2,260	178	240	276	270	Idaho.
33	42	39	72	5,397	1,860	2,507	3,306	34	72	100	134	Wyo.
145	234	192	244	1,426	1,813	2,244	3,450	179	450	493	495	Colo.
51	46	47	67	3,347	1,640	1,743	2,527	45	88	55	73	N. Mex.
29	39	41	35	1,227	882	1,164	1,189	17	50	19	19	Ariz.
76	81	88	100	1,827	1,602	2,355	2,507	64	99	64	70	Utah.
17	16	23	20	1,155	881	1,184	1,088	23	27	25	23	Nev.
826	1,120	1,249	1,131	5,592	5,026	5,336	7,081	1,190	1,441	845	1,092	Pacific.
186	290	319	295	476	624	516	657	206	265	198	182	Wash.
173	216	245	220	2,699	2,002	1,775	2,501	218	267	216	195	Oreg.
467	614	685	626	2,417	2,400	3,045	3,923	767	909	431	603	Calif.

[2] Less than 500.

[3] No estimate.

Source: 1910, 1920, and 1925, Bureau of the Census, Department of Commerce; 1930, Department of Agriculture.

No. 621.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: BY AGE AND SEX, JANUARY 1, 1920 AND 1925

Class	Number (thousands)	
	1920	1925
Horses, total	[1] 19,767	16,401
Colts under 2 years of age	2,532	1,088
Horses 2 years old and over	17,221	15,313
Mules, total	5,432	5,681
Colts under 2 years of age	781	375
Mules 2 years old and over	4,652	5,306
Cattle, total	[1] 66,840	60,760
Beef cattle, total	[1] 35,278	35,057
Calves under 1 year of age	8,598	8,624
Heifers 1 year old and under 2 years	3,981	3,873
Cows and heifers 2 years old and over	12,625	14,909
Steers 1 year old and over	9,280	6,903
Bulls 1 year old and over	725	748
Dairy cattle, total	31,361	25,703
Calves under 1 year of age	6,865	4,328
Heifers 1 year old and under 2 years	4,049	3,069
Cattle—Continued.		
Dairy cattle—Continued.		
Cows and heifers 2 years old and over	19,675	17,645
Bulls 1 year old and over	772	661
Sheep, total	[1] 35,034	35,590
Lambs under 1 year of age	8,928	9,198
Ewes 1 year old and over	23,519	24,591
Rams and wethers 1 year old and over	2,305	1,801
Goats, total	3,459	3,370
Swine, total	[1] 59,346	50,854
Pigs under 6 months old	26,172	21,907
Sows and gilts, for breeding, 6 months old and over	11,416	8,907
All other hogs 6 months old and over, including boars	21,753	20,040

[1] Figures include animals not classified by age or sex as follows: Horses, 14,545; beef cattle, 68,671; sheep, 283,686; and swine 4,421.

No. 622.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER, AVERAGES, AND RATIOS, APRIL 15, 1910, AND JANUARY 1, 1920 AND 1925

NOTE.—See headnote Table 619

Item	Horses	Mules	All cattle	Dairy cows [1]	Sheep	Goats	Swine
Number:							
1910	19,833,113	4,209,769	61,803,866	17,125,471	52,447,861	2,915,125	58,185,679
1920	19,707,161	5,432,391	66,639,556	19,675,297	35,033,516	3,458,925	59,346,409
1925	16,400,623	5,680,897	60,760,366	17,644,867	35,590,159	3,370,218	50,853,526
Increase, 1920–1925: [2]							
Number	−3,366,538	248,506	−5,879,190	−2,030,430	556,643	−88,707	−8,492,883
Per cent	−17.0	4.6	−8.8	−10.3	1.6	−2.6	−14.3
Number of farms reporting:							
1910	4,692,814	1,869,005	5,284,916	5,140,869	610,894	82,755	4,351,751
1920	4,704,235	2,259,746	5,358,243	4,461,296	538,593	107,267	4,850,807
1925	[3] 5,365,513	[4]	[4]	3,728,587	430,738	91,402	3,618,624
Per cent of all farms:							
1910	73.8	29.4	83.1	80.8	9.6	1.3	68.4
1920	73.0	35.0	83.1	69.2	8.4	1.7	75.2
1925	[3] 84.2	[4]	[4]	58.5	6.8	1.4	56.8
Average number per farm reporting:							
1910	4.2	2.3	11.7	[5] 3.3	85.9	35.2	13.4
1920	4.2	2.4	12.4	4.4	65.0	32.2	12.2
1925	[3] 4.1	[4]	[4]	4.7	82.6	36.9	14.1
Average number per 1,000 acres of all land in farms:							
1910	23	5	70	19	60	3	66
1920	21	6	70	21	37	4	62
1925	18	6	66	19	39	4	55
Average number per 1,000 acres of improved land:							
1910	41	9	129	36	110	6	122
1920	39	11	132	39	70	7	118
Average value per head (dollars):							
1910	105.06	124.80	24.26	37.06	4.44	2.12	6.86
1920	90.15	143.45	54.80	76.62	11.29	5.08	16.65
1925	61.07	79.13	33.24	51.72	9.96	3.04	12.09

[1] Dairy cows 2 years old and over Jan. 1; figures for 1910 are estimated. The number of dairy cows actually reported in 1910 (1 year old and over Jan. 1) was 20,625,432.
[2] A minus sign (−) denotes decrease.
[3] Includes mules.
[4] Not available.
[5] Based on the number of farms reporting dairy cows and heifers born before Jan. 1, 1909.

Source of Tables 621 and 622: Bureau of the Census, Department of Commerce.

No. 623.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING MARKETS AND PRINCIPAL INDIVIDUAL MARKETS

[All figures in thousands]

Item and yearly average or year	Chicago	Denver	East St. Louis	Fort Worth	Kansas City	Omaha	St. Joseph	St. Paul	Sioux City	Total, 9 markets	All other markets reporting [1]	Total, all markets reporting [1]
CATTLE AND CALVES												
Receipts:												
1906–1910	3,565	376	1,170	1,039	2,570	1,125	613	514	409	11,381	----	----
1911–1915	2,957	416	1,081	1,046	2,151	1,062	451	607	443	10,214	----	----
1916–1920	3,924	685	1,308	1,421	2,828	1,745	683	1,286	739	14,679	7,893	22,572
1921–1925	3,852	595	1,341	1,218	2,932	1,709	675	1,336	772	14,430	8,366	22,796
1926	4,012	529	1,526	1,185	2,617	1,815	679	1,910	969	15,242	8,630	23,872
1927	3,583	640	1,448	1,286	2,470	1,561	641	1,582	809	14,020	8,744	22,764
1928	3,267	667	1,315	1,211	2,210	1,518	598	1,490	813	13,089	8,387	21,478
1929	3,060	624	1,223	1,089	2,178	1,546	590	1,425	839	12,574	7,866	20,440
Shipments:												
1906–1910	1,377	(1)	365	(1)	(1)	359	163	345	219	[2] 2,828	----	----
1911–1915	891	(1)	309	(1)	(1)	445	154	357	241	[3] 2,397	----	----
1916–1920	1,017	538	393	586	1,266	740	223	749	416	5,926	3,538	9,466
1921–1925	1,103	453	814	429	1,421	729	232	475	411	6,067	3,623	9,690
1926	1,061	370	994	423	1,139	650	186	612	448	5,883	3,521	9,404
1927	938	482	965	445	1,112	548	165	439	360	5,454	3,719	9,173
1928	703	505	920	470	1,155	614	189	423	409	5,448	3,563	9,011
1929	758	466	785	500	1,108	632	199	429	419	5,296	3,104	8,400
SHEEP												
Receipts:												
1906–1910	4,609	712	667	136	1,665	2,292	673	605	83	11,442	----	----
1911–1915	5,317	694	874	314	2,044	3,107	793	725	286	14,154	----	----
1916–1920	4,353	1,857	613	404	1,711	3,251	832	665	404	14,090	8,747	22,837
1921–1925	4,173	1,918	575	351	1,619	2,704	974	591	279	13,114	9,457	22,571
1926	4,405	1,826	636	445	1,762	2,780	1,303	773	449	14,379	9,489	23,868
1927	3,829	1,908	574	445	1,616	2,604	1,348	705	527	13,556	10,383	23,939
1928	3,868	2,295	510	458	1,767	3,037	1,580	891	558	14,974	10,623	25,597
1929	3,785	2,290	534	540	1,753	3,031	1,636	1,139	840	15,548	11,320	26,868
Shipments:												
1906–1910	1,228	(1)	102	(1)	(1)	1,190	156	469	40	[3] 3,185	----	----
1911–1915	1,088	(1)	78	(1)	(1)	1,412	183	534	76	[3] 3,371	----	----
1916–1920	1,076	1,684	98	232	658	1,703	233	472	191	6,347	5,564	11,911
1921–1925	1,306	1,746	215	215	516	1,129	228	205	90	5,650	5,999	11,649
1926	1,443	1,636	264	240	564	1,137	203	335	113	6,025	6,425	12,450
1927	1,038	1,720	206	221	492	1,114	303	261	152	5,507	6,975	12,482
1928	1,128	2,074	191	237	507	1,295	429	415	168	6,434	6,890	13,324
1929	1,118	2,057	201	253	458	1,334	467	582	255	6,730	7,265	13,995
SWINE												
Receipts:												
1906–1910	6,963	229	2,215	630	2,899	2,220	1,845	884	1,190	19,075	----	----
1911–1915	7,225	258	2,678	465	2,611	2,540	1,837	1,379	1,520	20,513	----	----
1916–1920	8,234	382	3,214	769	2,838	3,046	2,102	2,220	2,239	25,034	17,518	42,552
1921–1925	9,041	452	3,972	416	2,695	3,297	2,042	3,092	2,742	27,749	20,219	47,968
1926	7,093	497	3,536	217	2,036	2,647	1,462	3,451	2,475	23,414	16,358	39,772
1927	7,724	457	3,710	338	1,904	2,631	1,425	3,105	2,322	23,616	17,795	41,411
1928	8,539	567	4,036	432	2,391	3,179	1,724	2,902	2,754	26,524	20,003	46,527
1929	8,193	539	3,865	402	2,476	3,166	1,627	2,869	2,313	25,450	18,647	44,097
Shipments:												
1906–1910	1,638	(1)	711	(1)	(1)	218	68	135	198	[3] 2,968	----	----
1911–1915	1,439	(1)	891	(1)	(1)	393	121	424	419	[3] 3,687	----	----
1916–1920	1,271	26	1,244	139	478	754	201	827	884	5,824	7,894	13,718
1921–1925	2,355	77	2,559	72	772	797	437	650	1,076	8,795	8,335	17,130
1926	2,108	133	2,483	13	593	902	310	880	931	8,413	6,760	15,173
1927	2,113	124	2,624	21	510	698	297	927	603	8,007	7,036	15,043
1928	2,145	101	2,986	27	675	1,011	443	860	1,121	9,369	7,822	17,191
1929	1,831	121	2,767	53	1,011	888	427	812	789	8,699	7,455	16,154
HORSES AND MULES												
Receipts:												
1906–1910	99	14	129	21	65	38	26	8	16	416	----	----
1911–1915	112	28	182	49	86	34	36	7	14	548	----	----
1916–1920	98	26	236	76	98	25	35	10	22	626	568	1,194
1921–1925	26	25	79	36	36	12	13	4	12	243	206	449
1926	18	29	53	27	29	17	9	10	19	211	180	391
1927	16	27	69	43	44	16	8	11	13	247	202	449
1928	19	24	70	43	43	18	9	11	13	250	200	450
1929	19	22	71	42	52	21	7	18	17	269	188	457

[1] Figures not available prior to 1915. [2] Total for about 70 markets. [3] Total of six markets.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 624.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE MARKETS

[All figures in thousands. Markets covered are those named in Table 612]

Year	Cattle and calves		Sheep		Swine		Horses and mules, receipts
	Receipts	Shipments[1]	Receipts	Shipments[1]	Receipts	Shipments[1]	
1910	11,570	2,885	13,126	4,170	15,582	2,469	412
1911	10,790	2,724	14,327	3,713	20,720	3,229	515
1912	10,426	2,418	14,797	3,235	20,382	3,576	481
1913	10,329	2,484	14,986	3,947	20,576	3,815	482
1914	9,466	2,173	14,372	3,337	19,044	3,525	478
1915	10,057	4,051	12,288	4,050	21,840	4,784	780
1916	11,920	4,755	13,479	5,102	26,781	5,864	810
1917	15,034	5,812	12,484	5,955	22,360	5,473	756
1918	16,781	6,405	14,050	6,513	26,607	5,624	600
1919	15,932	6,713	16,847	7,850	26,237	5,817	557
1920	13,725	5,948	13,591	6,311	23,187	6,338	401
1921	12,150	5,350	13,580	5,297	22,798	6,983	186
1922	14,590	6,677	12,253	5,484	24,601	7,056	242
1923	15,013	6,484	13,192	5,879	32,320	9,597	302
1924	15,189	6,119	13,382	5,972	32,612	11,040	245
1925	15,206	5,709	13,167	5,615	26,415	9,300	242
1926	15,242	5,883	14,379	6,025	23,414	8,413	211
1927	14,020	5,454	13,556	5,507	23,616	8,007	247
1928	13,089	5,448	14,974	6,434	26,524	9,309	250
1929	12,574	5,294	15,548	6,780	25,450	8,699	269

[1] Denver, Fort Worth, and Kansas City are not included prior to 1915.

No. 625.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC MARKETS

[All figures in thousands]

Item	1916–1920, average	1921–1925, average	1924	1925	1926	1927	1928	1929
Cattle and calves:								
Receipts	22,570	22,796	23,695	24,067	23,872	22,763	21,478	20,440
Stocker and feeder shipments	4,610	4,144	3,978	3,823	3,712	3,615	3,966	3,651
Sheep:								
Receipts	22,837	22,572	22,201	22,100	23,868	23,939	25,597	26,868
Stocker and feeder shipments	5,014	4,150	4,676	4,332	4,623	4,902	5,011	5,565
Swine:								
Receipts	42,552	47,968	55,414	43,929	39,772	41,411	46,527	44,097
Stocker and feeder shipments	720	588	496	532	017	922	735	623

No. 626.—DOMESTIC ANIMALS: RECEIPTS AT CHICAGO, EAST ST. LOUIS, KANSAS CITY, AND OMAHA, BY MONTHS

[All figures in thousands]

Class and yearly average or year	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Cattle and calves:													
1911–1915	7,251	602	462	509	489	483	511	537	659	814	905	679	601
1916–1920	9,866	804	627	643	634	653	655	705	804	1,080	1,214	1,086	841
1921–1925	9,835	778	608	691	664	725	710	756	953	1,051	1,203	919	777
1926	9,967	732	633	752	657	719	800	768	934	1,119	1,124	997	732
1927	9,067	756	619	686	611	764	697	628	922	823	1,062	862	637
1928	8,309	708	606	574	623	666	587	643	724	908	990	692	588
1929	8,009	666	498	565	638	580	531	661	660	937	948	712	613
Sheep:													
1911–1915	11,342	893	764	788	725	668	689	767	1,002	1,572	1,654	978	842
1916–1920	9,929	740	616	616	556	551	611	762	1,056	1,488	1,306	858	769
1921–1925	9,068	751	630	704	643	647	645	696	899	1,130	1,032	616	609
1926	9,579	665	666	851	623	584	714	680	1,008	1,436	1,018	638	696
1927	8,625	699	595	641	545	669	651	624	933	1,114	922	570	662
1928	9,181	691	701	643	612	691	644	709	939	1,272	1,126	566	596
1929	9,099	745	615	655	798	782	574	743	898	1,143	959	550	632
Swine:													
1911–1915	15,052	1,593	1,439	1,347	1,158	1,292	1,284	1,077	934	889	1,084	1,315	1,040
1916–1920	17,331	2,145	1,774	1,621	1,337	1,496	1,353	1,195	968	828	1,142	1,588	1,884
1921–1925	19,006	2,157	1,813	1,584	1,410	1,525	1,618	1,404	1,250	1,176	1,400	1,677	1,992
1926	15,310	1,615	1,324	1,446	1,219	1,214	1,265	1,152	1,173	1,047	1,076	1,325	1,454
1927	15,968	1,662	1,309	1,515	1,190	1,484	1,564	1,233	1,299	931	1,013	1,295	1,473
1928	18,145	2,047	2,179	1,883	1,257	1,475	1,458	1,220	1,079	1,001	1,312	1,300	1,844
1929	17,700	2,099	1,671	1,309	1,389	1,386	1,374	1,469	1,243	1,213	1,371	1,464	1,702

Source of Tables 624, 625, and 626: Bureau of Agricultural Economics, Department of Agriculture.

No. 627.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE[1] BY CALENDAR YEARS

[Milch cows dollars per head; others in dollars per 100 pounds, live weight]

Yearly average or year	Milch cows on farms, per head	Beef cattle		Calves		Sheep		Lambs		Hogs	
		Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago
1911–1915	52.33	5.55	7.89	7.09	9.30	4.60	5.13	6.01	7.57	6.88	7.60
1916–1920	79.47	8.42	12.91	11.05	14.35	8.97	10.25	11.85	15.05	13.25	14.78
1921–1925	56.29	5.66	9.13	8.11	9.78	6.35	7.02	10.10	13.53	8.32	9.04
1915	58.25	6.01	8.40	7.63	10.15	5.27	6.36	6.86	9.05	6.56	7.10
1916	60.95	6.48	9.50	8.35	10.85	6.29	7.82	8.22	10.77	8.13	9.60
1917	71.86	8.17	11.60	10.51	13.75	9.45	11.04	12.31	15.68	13.46	15.10
1918	83.07	9.46	14.05	11.91	15.75	10.95	12.44	13.93	16.98	15.85	17.45
1919	91.96	9.61	15.50	12.76	16.83	9.63	10.47	12.96	16.31	16.02	17.85
1920	89.51	8.38	13.30	11.80	14.58	8.51	9.49	11.85	15.50	12.86	13.91
1921	59.10	5.44	8.20	7.81	9.36	4.65	5.13	7.19	9.86	7.81	8.51
1922	53.56	5.43	8.65	7.68	9.15	5.96	7.15	9.76	13.68	8.32	9.22
1923	55.43	5.57	9.40	7.99	9.66	6.65	7.10	10.50	13.89	7.11	7.55
1924	55.48	5.59	9.24	8.12	9.86	6.81	7.57	10.75	14.57	7.46	8.11
1925	57.87	6.26	10.16	8.85	10.87	7.70	8.16	12.30	15.06	10.88	11.81
1926	65.51	6.46	9.47	9.61	11.61	7.43	7.25	11.56	14.26	11.75	12.34
1927	74.19	7.54	11.36	10.16	12.90	7.26	7.04	11.41	14.12	9.67	9.95
1928	89.75	9.18	13.91	11.79	14.56	7.68	7.39	12.09	14.99	8.60	9.22
1929	94.10	9.20	13.43	12.18	14.76	7.55	6.87	11.91	14.62	9.34	10.16

[1] Prices are weighted calendar year averages, except the averages for milk cows on farms and calves sheep, and lambs at Chicago, which are simple averages.

No. 628.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

Class and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average[1]
Beef steers:[2]													
1924	8.99	8.81	9.17	9.52	9.59	9.28	9.31	9.53	9.52	9.57	8.90	8.71	9.24
1925	8.97	9.15	9.03	9.99	9.90	10.34	11.28	11.10	11.04	10.80	10.16	9.72	10.16
1926	9.48	9.42	9.42	9.11	9.07	9.51	9.44	9.30	10.00	10.09	9.48	9.43	9.47
1927	9.70	9.81	10.20	10.51	10.68	11.12	11.78	12.02	12.63	13.43	13.57	13.08	11.36
1928	13.67	13.15	12.83	13.01	13.19	13.86	15.11	15.30	15.91	14.61	13.84	12.86	13.91
1929	12.51	11.92	12.68	13.52	13.67	14.10	14.59	14.22	13.92	13.81	13.00	12.74	13.43
Calves:													
1924	11.08	10.54	9.75	9.03	9.30	8.74	9.48	10.63	10.72	10.10	9.02	9.97	9.86
1925	10.72	11.94	11.24	9.49	9.42	9.56	10.91	11.94	12.18	11.19	10.60	11.30	10.87
1926	12.18	12.43	12.06	9.91	11.04	11.09	11.38	12.46	12.59	11.80	11.09	11.31	11.61
1927	12.20	12.40	11.54	10.90	11.07	11.68	13.32	14.75	15.94	14.42	13.48	13.09	12.90
1928	13.70	15.04	13.75	13.02	13.95	13.24	14.84	16.68	17.36	14.94	14.22	13.94	14.56
1929	15.83	14.74	15.50	14.43	13.39	14.22	15.30	15.81	16.64	13.76	13.70	13.82	14.76
Sheep:													
1924	8.16	9.12	10.50	10.21	8.11	5.82	5.66	6.18	5.46	6.60	6.62	8.45	7.57
1925	10.33	9.69	9.22	7.84	7.96	6.25	7.48	6.83	6.95	7.64	8.16	9.57	8.16
1926	9.72	9.18	8.82	8.87	7.97	5.85	5.97	6.50	6.25	6.12	5.88	5.86	7.25
1927	6.94	8.03	8.88	9.62	7.44	5.88	6.25	6.47	6.14	6.00	6.40	6.41	7.04
1928	7.03	8.96	9.47	10.16	8.53	6.12	6.28	6.72	6.34	6.18	5.84	7.03	7.39
1929	9.32	8.78	9.72	10.34	6.77	6.28	5.85	5.34	4.56	4.70	5.38	5.41	6.87
Lambs:													
1924	13.53	14.95	16.06	16.22	15.23	14.12	13.79	13.57	13.38	13.52	14.03	16.47	14.57
1925	18.28	17.59	16.28	14.85	13.06	15.86	15.11	14.88	15.19	15.20	15.44	16.15	15.66
1926	15.28	13.78	13.48	14.38	15.30	16.66	14.31	14.20	14.05	13.88	13.25	12.57	14.26
1927	12.64	13.28	15.27	15.87	14.75	15.66	14.25	13.68	13.46	13.70	13.80	13.14	14.12
1928	13.16	15.39	16.26	16.81	16.10	16.84	15.61	14.72	14.29	13.12	13.31	14.31	14.99
1929	16.37	16.53	17.07	16.82	13.62	15.35	14.38	13.50	13.19	12.73	12.72	13.22	14.62
Hogs:													
1924	7.10	7.06	7.35	7.36	7.34	7.04	7.68	9.38	9.57	9.91	8.97	9.38	8.11
1925	10.38	11.06	13.55	12.55	12.06	12.57	13.46	12.66	12.52	11.31	11.28	10.97	11.81
1926	12.02	12.45	12.20	12.33	13.55	14.01	12.51	11.48	12.03	12.72	11.80	11.57	12.34
1927	11.96	11.73	11.28	10.69	9.59	8.78	9.05	9.03	10.22	10.39	8.92	8.32	9.95
1928	8.25	8.08	8.08	9.28	9.67	9.91	10.65	11.53	11.89	9.57	8.83	8.61	9.22
1929	9.22	10.19	11.44	11.41	10.81	10.72	11.20	10.52	9.85	9.38	9.06	9.34	10.16

[1] Simple averages of monthly average prices, except the averages for beef steers and hogs, which are weighted averages.
[2] Western steers not included.

Source of Tables 627 and 628: Bureau of Agricultural Economics, Department of Agriculture.

No. 629.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS

[All prices are in cents per pound except for eggs which are in cents per dozen and milk in cents per quart. Relative prices based on 1923–1925=100]

Yearly average or year	Beef, native sides, New York		Steers, good to choice, Chicago		Hams, smoked, Chicago		Pork, short, clear sides, Chicago		Lard, prime contract, New York		Hogs, heavy, Chicago		Mutton, dressed, New York	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891–1895	7.8	51.3	4.78	47.3	10.5	46.1	7.8	48.1	7.7	54.6	5.08	53.6	7.6	55.9
1896–1900	7.7	50.7	4.94	48.9	9.1	39.9	5.9	36.4	5.4	38.3	3.98	42.0	7.1	52.2
1901–1905	8.3	54.6	5.52	54.7	11.3	49.6	8.9	54.9	8.6	61.0	5.89	62.1	7.6	55.9
1906–1910	9.1	59.9	6.13	60.7	13.2	57.9	10.5	64.8	10.2	72.3	6.93	73.1	9.1	66.9
1911–1915	12.1	79.6	8.28	82.0	15.3	67.1	11.6	72.0	10.0	70.9	7.64	80.6	9.4	69.1
1916–1920	18.5	121.7	14.16	140.2	28.6	125.4	23.4	144.4	21.9	155.3	15.07	159.0	16.4	120.6
1921–1925	14.8	97.4	9.70	96.0	24.3	106.6	15.3	94.4	13.0	92.2	9.26	97.7	12.6	92.6
1923–1925	15.2	100.0	10.10	100.0	22.8	100.0	16.2	100.0	14.1	100.0	9.48	100.0	13.6	100.0
1925	15.9	104.6	10.66	105.5	27.1	118.9	22.3	137.7	16.8	119.1	12.25	129.2	14.4	105.9
1926	15.1	99.3	9.53	94.4	30.8	135.1	20.1	124.1	16.0	103.4	12.34	130.2	14.4	105.9
1927	17.7	116.4	12.69	125.0	24.6	107.9	18.7	115.4	12.9	91.5	10.14	107.0	14.1	103.7
1928	20.9	137.5	14.49	143.5	22.8	100.0	16.3	100.6	12.3	87.2	9.63	101.6	14.2	104.4
1929	21.0	138.2	13.49	133.6	24.4	107.0	17.1	105.6	12.0	85.1	10.32	108.9	14.1	103.7

Yearly average or year	Carcass, good native steers, Chicago		Pork, fresh loins, Chicago		Poultry, dressed fowls, Chicago [1]		Butter, creamery, extra, New York		Cheese, whole milk, New York		Eggs, firsts, fresh, New York [2]		Milk, fresh, New York	
							Price	Index	Price	Index	Price	Index	Price	Index
1891–1895							24.7	54.9	10.3	46.6	20.8	56.2	3.3	45.2
1896–1900							20.1	44.7	9.8	44.3	18.5	50.0	3.2	43.8
1901–1905							23.3	51.8	11.2	50.7	24.6	66.5	3.4	46.6
1906–1910	[3] 11.0	[3] 64.7					27.9	62.0	14.3	64.7	29.2	78.9	4.0	54.8
1911–1915	12.8	75.3					30.0	66.7	15.2	68.8	28.0	75.7	4.2	57.5
1916–1920	19.8	116.5					50.1	111.3	25.6	115.8	45.6	123.2	7.1	97.3
1921–1925	16.4	96.5	21.2	102.4	25.0	101.6	43.8	97.3	21.7	98.2	37.2	100.5	7.4	101.4
1923–1925	17.0	100.0	20.7	100.0	24.6	100.0	45.0	100.0	22.1	100.0	37.0	100.0	7.3	100.0
1925	18.0	105.9	25.0	120.8	24.5	99.6	45.4	100.9	23.1	104.5	39.8	107.6	7.6	104.1
1926	16.4	96.5	27.8	134.3	27.1	110.2	44.3	98.4	22.7	102.7	35.6	96.2	7.7	105.5
1927	18.6	109.4	24.0	115.9	23.2	94.3	47.3	105.1	24.9	112.7	32.0	86.5	7.9	108.2
1928	22.8	134.1	22.5	108.7	22.6	91.9	47.4	105.3	25.1	113.6	32.9	88.9	8.2	112.3
1929	23.1	135.9	24.6	118.8	24.2	98.4	44.9	99.8	23.6	106.8	36.8	99.5	8.6	117.8

[1] "Poultry iced" prior to 1923.
[2] "New laid, fair to fancy, near-by" to 1912; thereafter "firsts, freshly gathered." The absolute prices are not comparable but the index numbers are closely comparable.
[3] Average for 3 years, 1908 to 1910.

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor; indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce.

No. 630.—FARM PRICES OF ANIMALS AND ANIMAL PRODUCTS

NOTE.—All prices are in cents per pound except for eggs which are in cents per dozen. Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year begins in August for cattle, November for hogs, June for lambs, July for chickens, and April for eggs. Quotations are as of the 15th of each month

Market year beginning—	Beef cattle	Hogs	Lambs	Chickens	Eggs	Butterfat	Calendar year	Veal calves	Sheep	Wool [1]	Butter
1910–1914	5.42	6.94	5.91	11.2	19.1	(1)	1910–1914	6.84	4.60	17.7	25.2
1915–1920	8.01	12.34	11.10	19.2	31.9	(1)	1915–1920	10.49	8.35	41.0	39.5
1921–1925	5.72	8.92	10.42	19.1	25.9	39.3	1921–1925	8.09	6.35	32.1	38.6
1920	6.76	8.52	9.41	22.8	39.3	(1)	1920	11.80	8.51	39.1	54.3
1921	5.18	8.10	7.83	19.3	25.3	34.0	1921	7.81	4.65	16.4	37.0
1922	5.55	7.34	10.30	18.2	24.7	39.3	1922	7.68	5.96	29.8	35.3
1923	5.57	7.06	10.54	18.3	25.2	42.4	1923	7.99	6.65	38.9	40.4
1924	5.88	10.46	11.45	19.2	26.1	38.1	1924	8.12	6.81	36.9	39.4
1925	6.40	11.63	11.98	20.7	28.3	42.6	1925	8.85	7.70	38.5	40.7
1926	6.67	10.21	11.36	20.7	27.5	42.5	1926	9.61	7.43	32.5	41.1
1927	8.58	8.67	11.76	19.8	24.2	43.6	1927	10.16	7.26	30.7	42.3
1928	9.45	9.27	12.31	22.1	27.4	45.8	1928	11.79	7.68	36.7	43.7
Dec., 1928	8.94	7.93	11.41	21.2	42.9	49.2	1929	12.18	7.55	30.9	43.8
Dec., 1929	8.48	8.53	10.76	19.1	45.8	41.9	Dec., 1928	11.82	7.29	35.6	46.3
Jan., 1930	8.69	8.80	11.10	19.8	38.4	36.7	Dec., 1929	11.69	6.61	27.8	43.0
Feb., 1930	8.68	9.48	10.46	20.4	31.8	35.4	Jan., 1930	11.84	6.91	27.4	39.9
Mar., 1930	8.77	9.57	9.03	20.6	21.3	34.9	Feb., 1930	11.69	6.84	25.9	38.1
							Mar. 1930	11.24	6.59	23.7	36.8

[1] Unwashed.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 631.—MEATS: Production, Exports, Imports, and Estimated Consumption, and Number of Animals Slaughtered Under Federal Inspection

Note.—All figures except per capita in millions of pounds. Uninspected slaughter is estimated, by use of average carcass weights and dressing percentages obtained from packers and stockyards data, census reports, etc. The edible offal (liver, pluck, etc.) is disregarded. Exports include shipments to noncontiguous territories. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year

Yearly average or year (calendar)	Production			Exports	Imports (less re-exports)	Consumption	
	Estimated total	Federally inspected	Uninspected [1]			Estimated total	Per capita (pounds)
All meat (excluding lard) [2]							
1905–1909	14,114	7,953	6,161	942	----------	13,001	148.7
1910–1914	13,776	8,256	5,520	506	[3] 171	13,239	139.2
1915–1920	15,049	9,925	5,125	1,603	90	13,204	128.3
1921–1925	16,852	11,030	5,822	794	38	15,989	143.0
1926	17,245	11,354	5,891	465	59	16,753	142.0
1927	16,872	11,272	5,600	352	114	16,570	139.7
1928	16,955	11,317	5,638	360	143	16,569	138.0
1929	16,803	11,184	5,619	407	154	16,607	136.8
Beef:							
1905–1909	6,853	3,971	2,882	310	----------	6,472	74.0
1910–1914	6,109	3,761	2,347	79	[3] 144	6,059	63.8
1915–1920	6,541	4,681	1,860	365	66	6,143	59.6
1921–1925	6,791	4,619	2,172	44	23	6,765	61.1
1926	7,458	5,223	2,235	38	41	7,454	63.6
1927	6,820	4,783	2,043	34	82	6,926	58.4
1928	6,082	4,263	1,819	24	121	6,210	51.7
1929	6,065	4,275	1,790	27	138	6,247	51.4
Veal:							
1905–1909	542	155	387	----------	----------	542	6.2
1910–1914	552	195	358	----------	----------	553	5.8
1915–1920	665	297	368	----------	3	667	6.5
1921–1925	808	449	419	----------	4	872	7.9
1926	960	630	330	----------	4	964	8.2
1927	867	493	374	----------	8	874	7.4
1928	814	462	352	----------	8	822	6.8
1929	816	453	363	----------	5	821	6.8
Mutton and lamb:							
1905–1909	564	400	165	2	----------	563	6.5
1910–1914	711	552	159	4	[4] 18	710	7.4
1915–1920	555	430	126	5	17	566	5.5
1921–1925	584	456	128	4	8	589	5.3
1926	643	501	142	2	2	642	5.5
1927	645	502	143	2	3	645	5.4
1928	671	523	148	2	3	673	5.6
1929	699	545	154	1	4	703	5.8
Pork (excluding lard):							
1905–1909	6,140	3,422	2,717	630	----------	5,409	61.8
1910–1914	6,361	3,733	2,628	422	[3] 16	5,873	61.7
1915–1920	7,273	4,513	2,760	1,233	5	5,813	56.5
1921–1925	8,607	5,506	3,101	746	4	7,754	69.4
1926	8,181	5,099	3,082	426	12	7,690	65.7
1927	8,533	5,495	3,038	316	21	8,122	68.5
1928	9,387	6,069	3,318	334	11	8,863	73.9
1929	9,223	5,911	3,312	379	7	8,836	72.8
Lard:							
1905–1909	1,653	975	678	607	----------	1,046	11.9
1910–1914	1,614	948	666	519	----------	1,095	11.5
1915–1920	1,877	1,178	698	556	----------	1,321	12.9
1921–1925	2,445	1,660	785	896	----------	1,552	13.9
1926	2,324	1,513	811	733	----------	1,584	13.5
1927	2,356	1,557	799	717	----------	1,634	13.8
1928	2,594	1,750	844	801	----------	1,763	14.7
1929	2,598	1,763	835	866	----------	1,735	14.3

NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

Year	Cattle	Calves	Sheep	Goats	Swine	Year	Cattle	Calves	Sheep	Goats	Swine
1910–1914	7,283	2,060	13,808	93	31,986	1920	8,609	4,058	10,982	42	38,019
1915–1920	9,390	3,135	11,240	131	39,403	1921	7,608	3,808	13,005	12	38,982
1921–1925	8,979	4,556	11,891	26	46,269	1922	8,678	4,182	10,929	21	43,114
1913	6,978	1,902	14,406	76	34,199	1923	9,163	4,500	11,529	27	53,334
1914	6,757	1,697	14,229	176	32,532	1924	9,593	4,935	11,991	33	52,873
1915	7,153	1,819	12,212	153	38,381	1925	9,853	5,353	12,001	39	43,043
1916	8,310	2,367	11,941	199	43,084	1926	10,180	5,153	12,961	-------	40,636
1917	10,350	3,143	9,345	166	33,910	1927	9,520	4,870	12,883	-------	43,633
1918	11,829	3,456	10,320	138	41,214	1928	8,467	4,680	13,488	-------	49,795
1919	10,091	3,969	12,691	87	41,812	1929	8,324	4,489	14,023	-------	48,445

[1] Estimated.
[2] All meat includes small quantities of goat meat.
[3] 2-year average.
[4] 1914 only.

Source: Bureau of Animal Industry, Department of Agriculture.

No. 632.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS STATISTICS FOR THE UNITED STATES

Product	Unit	Quantity (thousands) 1899	1909	1919	1924	Value (thousands of dollars) 1909	1919	1924
Total value						1,177,975	2,666,944	2,345,219
Dairy products						596,413	1,481,462	1,260,778
Butter made on farms	Lb.	1,071,626	994,651	707,666	642,803	222,861	346,356	228,139
Cheese made on farms	do.	16,372	9,406	6,371	(1)	1,149	2,268	(1)
Whole milk sold	Gal.	2,134,830	1,937,256	2,529,331	2,666,612	252,437	717,380	555,269
Cream sold	do.	20,769	54,934	82,248	45,736	37,655	111,906	62,059
Butterfat sold	Lb.		305,663	532,244	1,061,062	82,312	303,552	415,311
Wool and mohair [2]	Lb.	277,529	293,199	235,604	235,531	66,374	124,007	93,122
Wool produced [2]	do.	276,568	289,420	228,795	227,105	65,472	120,418	88,630
Mohair produced	do.	961	3,779	6,809	8,426	902	3,589	4,491
Poultry products [2]						509,195	1,047,195	991,319
Eggs produced [2]	Doz.	1,293,662	1,591,311	[3] 1,654,045	[3] 1,913,245	306,689	[3] 661,083	[3] 571,038
Fowls raised [2]	No.	250,624	488,468	[3] 473,201	[3] 545,848	202,506	[3] 386,112	[3] 419,381
Honey and wax					(1)	5,992	14,280	(1)
Honey produced	Lb.	61,099	54,815	55,224	(1)	5,763	13,989	(1)
Wax produced	do.	1,764	905	821	(1)	229	291	(1)

[1] Not reported.
[2] Figures include estimates for incomplete reports, as where a farmer reported sheep but no wool production, or chickens but no egg production.
[3] The 1919 and 1924 figures represent only chicken eggs and chickens raised, respectively.

Source: Bureau of the Census, Department of Commerce.

No. 633.—CHEESE: CENSUS STATISTICS OF PRODUCTION IN THE UNITED STATES AND IN LEADING STATES

NOTE.—**All figures in thousands of pounds.** All States shown separately which produced over 1,000,000 pounds in any census year shown. Total production in factories only: 1904, 317,145,000 pounds; 1914, 370,279,000 pounds; 1921, 423,360,000 pounds; 1925, 554,348,000 pounds

State	Total [1,2] 1909	1919	On farms [1] 1909	1919	In factories [1,2] 1909	1919	1923	1927
Total	320,532	479,940	9,406	6,371	311,126	473,569	563,640	515,462
California	4,346	12,055	2,778	2,346	1,568	9,709	9,093	19,247
Colorado	621	1,320	70	157	551	1,163	1,638	2,541
Idaho	[3] 91	2,655	91	32	(4)	2,623	4,637	8,952
Illinois	4,881	4,969	82	118	4,799	4,851	7,203	12,366
Indiana	489	378	64	109	425	269	408	3,649
Iowa	1,079	1,069	79	53	1,000	1,016	773	710
Michigan	13,673	12,934	291	77	13,382	12,857	11,154	12,994
Minnesota	2,842	10,188	106	72	2,736	10,116	9,311	9,389
Missouri	379	279	160	90	219	189	1,058	2,781
Montana	[3] 50	[3] 43	50	43	(4)	(4)	(4)	1,392
New York	105,585	89,479	390	521	105,195	88,958	76,129	57,746
Ohio	12,474	5,655	613	434	11,861	5,221	6,686	8,582
Oregon	4,388	9,468	169	44	4,219	9,424	11,888	15,348
Pennsylvania	12,677	15,971	1,443	532	11,234	15,439	14,841	13,380
Utah	1,144	1,145	84	74	1,060	1,071	2,269	2,107
Vermont	3,009	4,983	246	76	2,763	4,908	3,607	1,530
Washington	475	2,376	53	85	422	2,291	4,773	6,201
Wisconsin	148,007	299,014	841	308	148,066	298,706	392,349	327,383
Wyoming	[3] 10	1,509	10	7	(4)	1,502	1,791	2,172
All other States	3,412	4,449	1,786	1,193	1,626	3,256	3,972	6,902

[1] Includes data for soft cheese, such as cottage, pot, and bakers.
[2] The figures are exclusive of the small amount of cheese made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.
[3] Excludes cheese made in factories which is included in "All other States."
[4] Included in "All other States."

Source: Bureau of the Census, Department of Commerce.

No. 634.—MILK AND BUTTER: CENSUS STATISTICS, BY STATES

NOTE.—United States butter production (pounds)—Total: 1879, 793,721,000; 1889, 1,205,508,000. In factories: 1909, 624,765,000; 1914, 769, 810, 000; 1921, 1,118,204,000; 1923, 1,303,499,000.; 1925, 1,444,288,000. On farms: 1919, 707,666,000

Division and State	Milk produced, total including estimates (thousands of gallons)			Milk sold by farmers (thousands of gallons)		Butter made (thousands of pounds)			
							1924		1927, in factories only [1]
	1909	1919	1924	1919	1924	1909, total [1]	Total [1,2]	On farms	
United States	7,466,406	7,805,144	9,198,804	2,528,331	2,666,612	1,619,415	2,087,091	642,303	1,547,927
New England	400,648	385,639	402,765	208,464	205,540	(3)	[4] 31,264	18,198	
Maine	69,784	77,677	70,949	28,191	18,289	15,405	9,581	9,241	191
New Hampshire	44,461	42,556	38,149	23,043	21,027	6,805	2,573	2,470	(3)
Vermont	122,919	122,096	127,957	55,319	40,357	35,393	13,821	3,402	5,984
Massachusetts	90,438	76,316	86,575	55,677	65,849	5,253	3,663	1,456	3,083
Rhode Island	12,178	12,099	13,504	9,314	11,392	(3)	132	132	(5)
Connecticut	59,829	54,894	65,631	36,920	48,627	5,449	[6] 1,494	1,491	256
Middle Atlantic	1,272,849	1,248,188	1,264,502	879,984	883,181	165,393	[4] 83,524	53,545	(3)
New York	783,479	756,046	741,983	573,162	552,804	69,359	40,627	22,106	11,851
New Jersey	80,606	70,491	76,245	56,377	60,908	4,391	[6] 945	945	(3)
Pennsylvania	411,735	421,631	446,273	250,445	269,469	91,642	41,952	30,494	11,575
East North Central	1,980,106	2,248,680	2,614,917	948,491	920,994	424,138	531,172	87,892	443,757
Ohio	362,050	396,318	425,834	139,064	159,816	81,060	107,930	23,309	86,178
Indiana	216,688	238,794	270,963	45,167	66,062	54,894	68,512	14,172	61,139
Illinois	395,934	370,487	435,133	159,579	196,557	71,181	85,066	22,889	65,746
Michigan	352,858	382,823	424,236	130,864	144,911	85,917	91,879	20,350	68,055
Wisconsin	607,498	858,259	1,058,751	473,817	353,649	131,085	177,785	7,172	162,639
West North Central	1,731,472	1,718,410	2,275,079	129,303	167,103	444,724	815,700	124,119	760,874
Minnesota	409,191	475,507	663,638	43,152	50,329	123,552	283,975	16,825	278,034
Iowa	489,564	361,426	515,909	31,356	35,379	127,262	191,513	23,328	180,443
Missouri	220,959	228,908	273,956	17,901	30,207	52,367	87,873	25,937	72,768
North Dakota	100,559	138,607	199,037	3,047	3,038	20,098	47,180	14,773	33,689
South Dakota	117,215	124,425	172,968	2,698	5,145	23,125	40,026	10,026	35,597
Nebraska	198,306	168,083	197,601	10,182	13,876	49,960	98,678	15,037	96,306
Kansas	217,888	221,454	251,969	20,969	28,539	48,360	66,455	17,293	58,037
South Atlantic	517,876	517,728	567,849	81,264	126,956	(5)	[4] 115,315	108,097	
Delaware	10,962	11,356	13,037	6,876	8,552	2,190	[6] 812	812	(3)
Maryland	59,736	58,754	74,043	29,843	42,983	9,858	6,000	5,255	165
Dist. of Columbia	611	512	481	129	439	6	5	5	
Virginia	104,391	110,942	127,447	17,009	24,241	26,810	28,281	24,232	5,489
West Virginia	75,694	73,690	76,621	6,779	10,425	(3)	16,744	16,055	373
North Carolina	96,999	95,748	108,152	7,060	11,222	26,060	26,795	25,360	2,134
South Carolina	50,274	52,955	49,982	2,871	3,214	12,330	12,857	12,556	388
Georgia	100,210	101,616	98,822	7,390	11,310	27,324	[6] 22,277	22,277	2,514
Florida	12,532	12,156	19,265	3,307	8,571	1,705	1,544	1,544	(3)
East South Central	468,882	458,942	499,612	32,803	47,541	(5)	140,638	107,259	42,923
Kentucky	140,983	146,561	165,921	12,469	17,495	38,681	42,989	28,595	20,182
Tennessee	129,456	130,286	148,759	9,831	15,591	39,828	44,770	32,461	13,533
Alabama	97,884	93,904	95,365	6,409	7,128	(3)	28,868	27,705	1,390
Mississippi	96,227	88,192	89,567	4,094	7,326	28,731	24,011	18,498	7,818
West South Central	521,898	458,371	588,777	36,808	64,553	(3)	140,539	109,151	52,853
Arkansas	97,922	87,624	98,769	4,332	5,758	30,268	24,906	23,962	1,081
Louisiana	48,284	32,973	37,870	5,334	10,935	(3)	4,319	4,319	252
Oklahoma	134,291	135,821	177,597	7,782	12,358	31,167	41,501	25,519	28,505
Texas	240,280	202,954	274,541	19,360	35,502	67,127	69,813	55,351	23,015
Mountain	174,404	260,412	362,431	47,831	54,858	(3)	86,762	21,709	72,136
Montana	26,437	51,251	73,185	5,102	6,175	4,128	20,153	5,416	14,064
Idaho	30,981	52,365	78,505	6,303	8,805	5,900	20,108	3,662	20,371
Wyoming	9,744	14,543	24,318	2,145	2,112	1,976	3,971	1,760	2,247
Colorado	51,670	79,493	96,649	16,087	17,703	12,208	24,245	5,245	20,505
New Mexico	10,959	12,738	19,027	1,626	3,987	(3)	2,041	1,707	284
Arizona	11,227	14,371	18,416	6,707	6,835	1,380	2,589	761	2,148
Utah	26,306	29,340	40,847	9,051	7,507	6,220	10,895	2,913	10,266
Nevada	6,543	6,312	11,483	801	1,734	1,444	2,754	244	2,191
Pacific	392,405	509,794	622,373	164,392	201,885	84,780	139,374	12,835	130,983
Washington	92,185	140,525	169,846	63,575	45,819	18,054	34,469	5,090	31,485
Oregon	71,953	92,845	112,218	22,878	25,598	14,141	26,804	3,901	24,391
California	229,460	276,424	340,309	77,938	130,468	52,585	78,101	3,844	75,107

[1] Figures given are exclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.
[2] Includes butter made on farms in 1924 and in factories in 1925.
[3] Not shown separately, as to do so would disclose individual operations.
[4] Excludes small amount of butter made in factories of one or two States in this group.
[5] No butter reported.
[6] Excludes butter made in factories.

Source: Bureau of the Census, Department of Commerce.

No. 635.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds]

Manufactured product	1923	1924	1925	1926	1927	1928
Creamery butter	1,252,214	1,356,080	1,361,526	1,451,766	1,496,495	1,487,040
Whey butter (made from whey cream)	1,904	1,665	1,774	2,872	1,217	1,097
Renovated or process butter	2,802	2,813	2,519	2,505	4,286	2,716
American cheese (whole milk)	308,108	324,695	347,240	335,915	307,777	335,253
American cheese (part skim)	2,145	2,470	2,793	2,927	3,390	2,900
American cheese (full skim)	2,033	1,605	3,298	1,384	1,688	3,048
Swiss cheese (including block)	24,555	21,844	23,457	20,883	18,141	16,718
Brick and Munster cheese	33,250	32,052	34,101	31,048	31,546	23,960
Limburger cheese	7,100	9,734	9,163	9,639	8,842	7,437
Cottage, pot, and bakers' cheese	35,527	54,347	59,485	67,977	75,679	87,525
Cream and Neufchatel cheese	10,334	14,945	17,575	18,192	25,962	30,589
All Italian varieties of cheese	2,132	1,973	1,562	2,425	3,377	3,578
All other varieties of cheese	5,040	4,622	4,325	5,003	5,763	9,027
Condensed milk (sweetened):						
Skimmed	104,984	98,625	117,333	148,771	145,345	156,089
Unskimmed	240,918	234,710	231,565	210,681	201,023	177,727
Evaporated milk (unsweetened):						
Skimmed	84,451	94,686	92,048	128,743	134,185	158,243
Unskimmed	1,344,528	1,272,527	1,316,012	1,245,309	1,375,169	1,426,358
Condensed or evaporated buttermilk	54,833	66,837	77,079	86,687	99,180	102,452
Dried or powdered buttermilk	13,032	18,058	20,246	31,378	38,435	45,502
Powdered whole milk	6,560	7,887	8,931	10,768	221565	9,605
Powdered skimmed milk	62,251	69,219	73,317	91,718	118,123	147,996
Powdered cream	328	1,018	339	331	388	673
Dried casein (skim-milk product)	14,500	20,683	16,468	16,893	18,083	22,151
Dried casein (buttermilk product)	48	76	192	60		
Malted milk	15,331	15,889	18,050	20,673	22,116	21,128
Milk sugar (crude)	2,872	3,331	5,655	4,476	4,077	5,323
Ice cream of all kinds[1]	183,412	181,564	214,382	215,248	226,756	232,185

[1] Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 636.—MILK: PRODUCTION AND USES IN THE UNITED STATES (ESTIMATES

Purpose for which milk is used	1926				1927			
	Whole milk used	Per cent of milk used for manufacture	Milk used per pound of product	Product manufactured	Whole milk used	Per cent of milk used for manufacture	Milk used per pound of product	Product manufactured
	Million pounds		*Pounds*	*Million pounds*	*Million pounds*		*Pounds*	*Million pounds*
Butter:								
Creamery	30,487	53.8	21	1,452	31,426	54.5	21	1,496
Farm	12,915	22.7	21	615	12,600	21.8	21	600
Cheese, all kinds	4,274	7.5	10	427	4,067	7.1	10	407
Milk:								
Condensed and evaporated	4,334	7.6	2.5	1,734	4,639	8.0	2.5	1,856
Powdered	87	.2	8	11	92	.2	8	11
Malted	45	.1	2.2	21	40	.1	2.2	18
Sterilized, canned	1		1	1				
Chocolate	172	.3			183	.3		
Cream, powdered	6		19	(1)	6		19	(1)
Ice cream	4,464	7.8	[2] 13.75	[3] 325	4,615	8.0	[2] 13.75	[3] 336
Total milk for manufacture	[4] 56,785	100.0			57,668	100.0		
Milk used otherwise:								
Household purposes	56,417				(5)			
Fed to calves	3,942				3,708			
Waste, loss, and unspecified	3,623				(5)			
Total milk produced	120,766				(5)			

[1] Less than 500,000 pounds.
[2] Milk used per gallon of ice cream.
[3] Millions of gallons. Includes estimated amounts made in homes and small establishments not reporting.
[4] In 1926 milk used for manufacture equaled 47 per cent of total milk produced.
[5] Not available.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 637.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

NOTE.—All figures in thousands of pounds. Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds. 1929 figures for butter and cheese production are preliminary

Product and market	1921–1925, average	1924	1925	1926	1927	1928	1929
BUTTER							
Production, creamery	1,233,655	1,350,080	1,361,526	1,451,700	1,496,495	1,487,049	1,513,580
Receipts (5 markets)	643,166	696,905	681,727	679,480	689,575	676,958	704,116
New York	238,240	248,759	244,127	252,742	261,322	250,593	265,760
Chicago	228,995	258,083	254,308	236,546	235,200	230,514	244,632
Philadelphia	68,086	76,731	72,064	79,345	81,737	84,495	87,386
Boston	81,413	86,921	82,476	83,243	84,617	87,324	81,183
San Francisco	26,431	26,411	28,752	27,604	26,709	24,032	25,155
Cold-storage holdings, Dec. 1	67,999	100,852	74,754	64,381	83,224	70,985	111,650
CHEESE							
Production, American	304,915	324,695	347,240	335,915	307,777	335,253	[1]
Receipts (5 markets)	207,821	215,056	223,556	207,888	218,248	196,613	178,899
New York	48,127	42,950	46,163	45,363	46,937	48,272	50,911
Chicago	115,674	130,024	131,129	115,104	123,633	97,264	80,823
Philadelphia	18,920	16,866	19,095	19,454	20,396	21,039	19,973
Boston	14,336	13,725	15,314	15,437	14,588	17,362	14,899
San Francisco	10,763	11,482	11,855	12,530	12,694	12,676	12,293
Cold-storage holdings, Dec. 1:							
American	50,330	58,705	66,495	63,881	53,447	74,325	71,065
All other	16,150	18,889	18,066	17,203	17,288	15,645	15,884

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BUTTER												
Production, creamery:												
1927	97,965	95,522	111,451	126,415	168,808	188,792	170,484	146,808	113,546	102,399	86,058	88,278
1928	101,045	99,394	111,777	118,849	156,294	181,037	167,601	145,436	119,499	105,894	87,745	92,484
1929	102,827	97,670	112,378	126,664	162,786	181,359	173,314	144,436	117,431	109,733	90,631	94,350
Receipts (5 markets):												
1927	44,756	45,502	53,633	57,208	75,535	89,773	79,670	68,055	50,055	45,425	39,895	39,978
1928	50,095	47,797	54,300	52,158	63,582	81,318	75,901	64,531	52,481	48,907	42,796	43,029
1929	52,490	48,557	53,979	56,881	73,879	81,180	79,442	64,103	51,972	50,246	44,739	46,048
CHEESE												
Production, American:												
1927	16,660	17,085	21,318	24,533	34,704	41,489	38,195	31,944	25,783	23,012	16,717	16,337
1928	18,010	19,005	23,451	28,221	37,324	45,012	40,072	34,229	30,342	25,134	18,013	16,440
1929	16,318	15,978	19,645	25,371	35,437	43,231	37,809	30,908	25,167	[1]	[1]	[1]
Receipts (5 markets):												
1927	12,707	14,916	14,956	16,922	21,301	22,134	21,134	22,556	21,522	18,996	14,278	13,826
1928	14,409	13,715	14,654	15,139	16,253	19,216	21,741	18,728	18,222	18,665	14,179	11,692
1929	13,781	13,877	12,261	12,331	16,750	18,406	20,548	18,605	15,289	14,343	11,829	10,879

[1] Not yet available.

No. 638.—BUTTER, BUTTERFAT, AND CHEESE: WHOLESALE PRICE OF BUTTER AND CHEESE AT NEW YORK AND FARM PRICE OF BUTTER AND BUTTERFAT

NOTE.—Prices in cents per pound. Farm prices represent weighted averages for the entire country. Wholesale prices are for 92-score creamery butter and No. 1 cheese. Annual prices are for the calendar year except for butterfat which are for the year beginning May of the year specified

Year (see headnote)	Butter		Butterfat farm	Cheese (New York)
	Farm	New York		
1913	26.7	32	[1]	15
1919	50.3	61	[1]	32
1920	54.3	61	[1]	29
1921	37.0	43	34.0	21
1922	35.3	41	39.3	[2] 20
1923	40.4	47	42.4	[3] 25
1924	39.4	43	38.1	21
1925	40.7	45	42.6	24
1926	41.1	44	42.5	[4] 23
1927	42.3	47	43.6	[5] 25
1928	43.7	47	45.8	[3] 25
1929	43.8	45	41.8	24

Month	Butter (New York)		Butterfat (farm)		Cheese (New York)	
	1925–1928, avg.	1929	1925–1928, avg.	1929	1925–1928, avg.	1929
January	46	48	45.3	47.6	[6] 26	25
February	46	50	43.5	47.8	[7] 24	24
March	48	48	44.7	48.3	23	24
April	45	45	43.4	46.5	[7] 22	23
May	43	44	41.9	45.4	22	22
June	43	44	40.9	43.6	24	24
July	43	42	40.7	43.4	25	24
August	44	43	40.9	43.3	25	23
September	47	46	42.8	44.6	26	24
October	49	46	45.2	46.6	[7] 26	25
November	51	43	46.5	43.5	[6] 27	24
December	52	41	48.1	41.9	[6] 27	22

[1] Not available.
[2] 8-month average.
[3] 11-month average.
[4] 9-month average.
[5] 7-month average.
[6] 2-year average.
[7] 3-year average.

[Source of Tables 637 and 638: Bureau of Agricultural Economics, Department of Agriculture.

No. 639.—OLEOMARGARINE: PRODUCTION AND MATERIALS USED

NOTE.—All figures in thousands of pounds. Figures for production by kind of oil used are as reported to the Bureau of Agricultural Economics, Department of Agriculture, while other production figures are as reported to the Commissioner of Internal Revenue for taxation purposes. Colored oleomargarine is taxed 10 cents per pound; uncolored, ¼ cent per pound.

Year ended June 30—	Oleomargarine production		
	Total	Colored	Uncolored
1910	141,862	6,177	135,685
1911	121,163	5,831	115,332
1912	128,601	6,236	122,365
1913	145,228	6,520	138,708
1914	144,021	6,384	137,637
1915	145,810	7,595	138,215
1916	152,510	6,749	145,761
1917	233,170	8,013	225,158
1918	326,529	6,595	319,934
1919	359,217	13,849	345,368
1920	391,283	15,624	375,659
1921	281,082	11,601	269,481
1922	190,950	6,604	184,346
1923	209,182	8,260	200,922
1924	239,699	11,548	228,151
1925	215,403	11,280	204,123
1926	248,047	13,181	234,866
1927	257,157	14,502	242,655
1928	294,699	15,351	279,348
1929	333,122	16,306	316,816
1928 [1] Total	307,935	15,414	292,521
Combined animal and vegetable oil	111,621	9,889	101,732
Exclusively vegetable oil	196,314	5,525	190,789
1929 [1] Total	342,280	17,268	324,962
Combined animal and vegetable oil	120,598	11,096	109,502
Exclusively vegetable oil	221,032	6,172	215,460

District or material	Year ended June 30—			
	1926	1927	1928	1929
PRODUCTION BY STATES				
California	23,597	21,956	29,072	37,444
Illinois	116,565	125,528	140,882	153,044
Indiana	3,375	3,721	3,482	3,516
Kansas	18,691	19,405	20,482	20,258
Maryland	4,772	5,860	7,234	9,022
Massachusetts	3,144	2,723	3,100	3,968
Michigan	659	666	825	4,564
Minnesota	3,323	3,138	1,849	3,510
Missouri	11,622	11,593	11,848	11,247
Nebraska	2,288	2,419	2,657	3,208
New Jersey	22,606	21,271	28,673	32,123
New York	3,290	728		
Ohio	18,475	19,341	25,459	31,262
Oregon	2,199	2,358	2,900	3,431
Rhode Island	1,194	935	828	777
Texas	2,468	2,862	3,025	3,897
Wisconsin	6,397	9,353	9,051	8,571
All other	3,292	3,300	3,382	3,279
MATERIAL CONSUMED				
Total	307,460	316,085	361,069	410,937
Oleo oil	47,418	48,741	45,477	47,185
Coconut oil	98,307	107,564	141,000	171,412
Cottonseed oil	25,608	23,372	24,801	28,173
Milk	72,602	73,700	83,115	94,752
Peanut oil	5,257	4,872	5,469	6,617
Salt	20,593	21,683	25,024	27,311
Oleostearine	5,314	5,145	5,532	5,834
Neutral lard	25,172	24,872	25,036	24,189
Oleo stock	3,082	2,552	1,738	1,294
Butter	2,330	2,070	2,484	2,611
Miscellaneous	1,717	1,514	1,403	1,559

[1] Calendar year.

Source: Commissioner of Internal Revenue, Treasury Department, and Bureau of Agricultural Economics, Department of Agriculture.

No. 640.—POULTRY ON FARMS: NUMBER AND VALUE

NOTE.—The farms reporting fowls constituted 87.8 per cent of all farms in 1910, 90.8 per cent in 1920, while farms reporting chickens formed 90.5 per cent of all farms in 1920 and 86.4 per cent in 1925. There were 337 fowls per 1,000 acres of land in farms in 1910 and 390 in 1920

Item	Number of fowls (thousands)					Value (thousands of dollars)		
	1890	1900	1910	1920	1925	1910	1920	1925
Poultry, total [1]	285,609	250,624	295,880	372,825	(2)	154,668	373,394	(2)
Chickens	258,871	233,566	280,341	359,537	409,291	140,193	349,509	379,011
Turkeys	10,754	6,595	3,689	3,627	(2)	6,606	12,905	(2)
Ducks	7,544	4,786	2,907	2,818	(2)	1,567	3,374	(2)
Geese	8,440	5,677	4,432	2,939	(2)	3,195	5,429	(2)
Guinea fowls	(3)	(3)	1,765	2,410	(2)	613	1,582	(2)
Pigeons	(2)	(2)	2,731	1,494	(2)	762	538	(2)
Ostriches	(2)	1	5	(4)	(2)	1,696	58	(2)

[1] The 1910 totals include small numbers of peafowls, pheasants, and India jungle fowls.
[2] Not reported.
[3] Included with chickens.
[4] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 641.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

NOTE.—For additional figures for United States as a whole, see Table 632

Division and State	Chickens on hand (thousands)			Chickens raised (thousands) [1]			Eggs produced (thousands of dozens) [1]		
	1910 [2] (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1909	1919	1924	1909	1919	1924
United States	280,341	359,537	409,291	460,611	473,201	545,848	1,574,879	1,654,045	1,913,245
New England	6,840	5,804	8,133	10,757	8,376	13,439	54,669	37,632	56,540
Maine	1,705	1,403	1,900	2,565	1,908	2,838	14,876	9,977	13,613
New Hampshire	903	771	1,207	1,363	1,071	2,442	7,469	5,005	8,181
Vermont	912	800	941	1,247	1,016	1,339	7,002	5,167	6,372
Massachusetts	1,710	1,455	2,030	3,055	2,401	3,631	13,961	9,004	14,325
Rhode Island	393	254	361	570	434	519	2,862	1,537	2,275
Connecticut	1,218	1,120	1,699	1,968	1,546	2,670	8,498	6,341	11,775
Middle Atlantic	24,449	27,452	34,829	34,071	31,059	39,779	159,485	151,453	216,632
New York	10,232	10,415	13,409	13,394	11,873	14,941	71,191	62,175	87,167
New Jersey	2,320	2,534	4,114	4,329	3,523	5,492	14,591	13,280	27,417
Pennsylvania	11,896	14,503	17,306	16,348	15,664	19,346	73,683	75,998	102,048
East North Central	69,471	84,516	89,623	98,896	99,252	113,867	399,257	400,445	441,632
Ohio	16,850	20,233	20,927	22,777	22,453	26,937	100,284	102,377	112,893
Indiana	13,216	16,754	17,355	22,099	22,618	25,257	80,029	83,101	86,975
Illinois	20,564	25,121	25,738	31,059	29,894	32,204	99,118	105,758	113,021
Michigan	9,698	10,914	12,579	12,530	12,442	15,276	59,556	55,987	68,209
Wisconsin	9,143	11,495	13,023	10,431	11,840	14,194	50,209	53,222	60,534
West North Central	85,192	105,348	123,101	118,998	126,763	158,864	442,168	474,592	543,558
Minnesota	10,294	13,213	16,408	11,412	15,062	20,352	53,324	60,250	76,322
Iowa	22,692	27,747	30,275	28,970	31,076	38,185	108,603	120,697	133,776
Missouri	19,910	24,884	28,222	30,413	29,363	34,596	110,922	117,204	129,291
North Dakota	3,095	4,329	5,181	3,829	5,324	5,722	17,069	20,820	20,988
South Dakota	4,924	6,642	7,906	5,803	7,638	10,607	24,641	30,352	35,104
Nebraska	9,011	11,615	13,500	14,724	15,797	20,310	46,461	49,133	54,811
Kansas	15,266	16,919	21,609	23,846	22,503	29,091	81,088	76,137	93,267
South Atlantic	25,627	36,408	41,120	65,059	65,374	66,752	134,290	144,662	153,799
Delaware	786	949	1,365	1,401	1,205	1,582	4,395	3,908	6,381
Maryland	2,651	3,436	4,198	5,420	5,258	6,025	15,239	15,086	20,069
District of Columbia	7	10	16	14	14	10	51	43	69
Virginia	5,685	7,860	9,221	15,183	14,227	15,892	34,539	36,551	39,044
West Virginia	3,107	4,028	4,349	5,205	4,873	5,305	18,948	21,708	22,125
North Carolina	4,566	7,393	8,558	13,766	14,047	15,057	23,179	24,841	25,587
South Carolina	2,695	3,954	4,238	8,062	9,016	7,830	10,983	12,812	11,109
Georgia	4,800	7,222	7,043	13,706	14,588	12,284	20,606	23,182	19,838
Florida	1,240	1,555	2,130	2,301	2,146	2,766	6,349	6,531	9,577
East South Central	24,495	34,092	34,969	55,884	51,071	51,103	127,309	138,152	113,735
Kentucky	8,000	10,478	11,036	17,573	15,507	16,445	43,782	42,225	37,045
Tennessee	7,341	11,354	11,861	15,865	15,554	16,148	41,244	48,707	41,039
Alabama	4,590	5,918	6,284	11,383	10,180	9,527	21,946	23,437	19,467
Mississippi	4,563	6,342	5,788	10,863	9,830	8,982	20,337	23,783	16,185
West South Central	29,176	39,919	43,835	54,701	57,329	60,996	163,644	157,008	160,425
Arkansas	5,183	6,955	7,164	9,674	9,111	9,870	26,487	28,168	23,923
Louisiana	3,259	3,764	3,907	5,830	5,571	5,434	14,423	13,136	10,472
Oklahoma	8,015	11,137	13,023	15,337	16,817	19,670	45,357	45,440	51,477
Texas	12,720	18,063	19,741	23,860	25,830	26,025	77,378	70,264	74,552
Mountain	5,467	9,524	12,299	8,432	13,037	15,537	35,233	49,993	66,278
Montana	923	2,055	2,545	1,367	3,227	3,067	5,950	11,858	13,403
Idaho	1,012	1,655	2,029	1,589	2,250	2,540	6,434	8,605	11,708
Wyoming	325	621	809	495	894	1,121	2,071	3,166	4,337
Colorado	1,644	2,875	3,752	2,585	3,881	5,006	10,578	14,172	18,561
New Mexico	510	714	937	894	921	1,123	2,961	3,063	4,075
Arizona	253	495	636	374	569	756	1,732	2,525	3,741
Utah	674	955	1,367	947	1,107	1,644	4,645	5,709	9,017
Nevada	127	155	225	181	188	280	863	895	1,436
Pacific	9,623	16,474	21,377	14,014	20,939	25,507	68,944	100,106	160,59
Washington	2,204	3,548	5,363	3,611	4,860	7,059	16,374	21,357	42,03
Oregon	1,753	2,500	3,229	2,555	3,150	4,066	11,835	14,626	20,65
California	5,666	10,427	12,785	7,849	12,929	14,383	40,735	64,124	97,90

[1] Including estimates for incomplete reports.
[2] The figures for 1910 are exclusive of 4,171 pheasants and 3 India jungle fowls, which were included with chickens in the 1910 census report.

Source: Bureau of the Census, Department of Commerce.

No. 642.—POULTRY: FARM PRICES AND RECEIPTS AT PRINCIPAL MARKETS

[Prices in cents per pound; receipts in thousands of pounds]

	1914–1920, average	1921–1925, average	1924	1925	1926	1927	1928	1929
Chickens, average farm price	18.0	19.7	19.2	20.3	21.9	20.3	21.2	21.5
Turkeys, average farm price, Nov. 15	22.0	27.6	24.2	28.3	29.8	30.8	31.2	27.1
Dressed poultry, receipts:								
Boston		49,690	61,264	46,720	53,162	53,305	55,583	54,433
New York		155,266	179,362	170,257	192,895	188,117	194,376	197,057
Philadelphia		25,151	27,640	29,295	32,126	31,822	31,844	34,664
Chicago		77,895	88,464	72,086	77,632	63,735	67,180	93,368

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Chickens, average farm price:												
1928	19.6	20.1	10.1	20.8	21.5	21.5	21.9	21.6	22.3	22.0	21.5	21.2
1929	21.6	22.1	22.7	23.8	24.4	24.6	23.7	22.7	22.4	21.5	20.3	19.1
Receipts of poultry, 1928:												
Boston	4,591	3,756	4,137	2,877	3,285	3,290	3,899	3,468	3,555	4,680	7,716	10,329
New York	14,999	11,064	9,322	9,703	10,628	11,127	13,252	13,850	14,332	21,799	31,846	32,454
Philadelphia	2,373	1,601	1,885	1,359	1,558	2,177	1,931	1,763	2,097	2,965	4,925	7,210
Chicago	6,630	3,591	2,216	1,876	2,137	1,977	2,771	2,829	3,580	5,719	15301	18,544
Receipts of poultry, 1929:												
Boston	4,586	3,231	2,315	2,855	2,718	3,369	3,153	3,628	4,309	5,048	8,826	10,395
New York	14,221	10,900	9,964	9,520	10,233	11,876	13,078	15,707	16,558	20,602	31,495	32,903
Philadelphia	2,548	1,851	1,680	1,471	1,557	1,663	2,134	2,319	2,302	2,542	6,002	8,595
Chicago	7,712	3,469	2,707	2,725	2,811	3,270	3,520	3,984	4,710	9,070	25,578	23,812

No. 643.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE

[Prices in cents per dozen: receipts and storage in thousands of cases]

	1910–1914, average	1921–1925, average	1927	1928	1929
Average farm price	22	31	28	27	29
Wholesale prices:					
Western firsts, Boston	25	37	32	35	37
Fresh firsts, New York	25	37	32	33	37
Western extra firsts, Philadelphia	26	40	36	38	41
Fresh firsts, Chicago	22	34	30	32	35
Fresh extras, San Francisco	32	41	32	33	36
Average export value	22	29	27	30	34

	1921–1925, average	1927	1928	1929
Receipts:				
Boston	1,880	1,960	1,757	1,718
New York	6,799	7,048	7,288	7,129
Philadelphia	1,648	1,549	1,735	1,697
Chicago	4,605	4,901	4,001	4,398
San Francisco	801	750	756	766
Total cold-storage holdings:				
July 31	9,513	10,746	10,496	8,962
Dec. 31	1,372	882	1,415	704

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average farm price:												
1927	37	29	21	20	20	18	21	23	29	36	42	43
1928	38	29	23	23	24	24	26	27	31	35	40	43
1929	33	32	28	23	24	26	27	30	34	38	44	46
Wholesale price, fresh firsts, New York:												
1928	45	32	29	28	30	29	30	31	33	32	37	37
1929	36	41	33	28	31	31	32	34	36	40	48	51
Receipts, 1928:												
Boston	102	145	229	211	258	200	158	112	96	96	78	72
New York	412	613	931	1,052	1,089	767	591	494	407	302	268	272
Philadelphia	97	133	176	210	246	175	168	117	140	103	75	95
Chicago	200	366	592	813	849	562	356	284	241	150	75	113
San Francisco	52	63	106	75	61	59	61	69	54	52	49	55
Receipts, 1929:												
Boston	133	99	190	290	234	177	176	125	110	77	54	53
New York	394	371	821	1,061	999	837	668	526	444	380	293	335
Philadelphia	118	76	169	234	220	181	156	143	131	94	74	101
Chicago	206	222	554	924	799	554	342	301	210	135	62	89
San Francisco	67	63	82	86	80	65	67	55	49	49	49	54

Source of Tables 642 and 643: Bureau of Agricultural Economics, Department of Agriculture.

No. 644.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except cases of eggs and total meats, which are in thousands of cases and millions of pounds, respectively. Holdings are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Creamery butter:												
1925	65,604	45,748	28,789	10,875	3,739	13,036	63,687	109,075	128,403	114,172	94,916	74,754
1926	52,785	39,381	26,313	17,392	17,527	30,561	86,897	131,152	138,151	125,342	100,871	64,381
1927	34,347	17,952	7,952	3,044	3,436	25,404	89,996	145,147	163,701	147,396	118,679	83,224
1928	46,289	28,273	14,404	5,716	5,109	15,952	69,750	120,437	136,175	128,071	105,811	70,985
1929	43,783	24,747	11,910	5,532	5,833	28,369	91,962	151,621	168,952	158,541	138,405	111,650
American cheese:												
1925	49,187	41,552	34,647	27,716	26,147	29,550	46,468	66,634	76,512	78,582	71,913	66,495
1926	58,457	50,339	42,587	38,041	35,597	39,346	54,069	73,681	81,297	77,646	72,491	63,881
1927	54,596	46,026	36,382	25,193	32,437	35,826	49,999	67,091	69,749	65,453	59,035	53,447
1928	47,765	41,793	36,710	31,887	30,207	36,716	53,646	73,088	85,906	81,833	82,318	74,325
1929	68,075	57,764	49,546	45,105	42,032	47,641	62,737	79,907	86,558	84,815	78,058	71,065
All varieties of cheese:												
1925	67,558	58,461	50,117	40,480	39,037	42,888	61,992	83,508	95,472	97,777	90,866	84,561
1926	76,649	67,531	58,175	51,285	47,450	52,167	68,771	90,053	98,473	95,385	89,785	81,084
1927	72,055	62,136	54,072	47,840	45,616	50,364	67,216	87,937	90,204	85,131	77,603	70,735
1928	64,035	55,862	48,784	43,303	41,791	48,990	68,613	89,708	101,498	98,339	97,421	89,970
1929	85,730	74,016	63,968	58,153	54,618	61,097	79,724	98,070	106,009	102,849	94,879	86,949
Cases of eggs:												
1925	1,050	81	21	1,240	4,872	7,712	9,482	10,024	9,873	8,612	6,322	3,786
1926	1,683	578	77	872	3,735	7,236	9,133	9,845	9,573	8,048	5,888	3,215
1927	1,096	253	92	1,868	5,501	8,962	10,565	10,746	9,650	7,960	5,485	2,956
1928	882	26	66	1,087	4,515	8,168	10,002	10,496	9,944	8,542	6,247	3,542
1929	1,415	248	11	559	3,952	6,705	8,510	8,962	8,547	7,195	4,930	2,631
Frozen eggs:												
1925	21,303	16,292	11,364	11,353	19,579	29,514	38,379	42,855	47,099	44,299	34,314	30,336
1926	33,905	29,256	24,167	21,849	25,739	34,815	45,688	51,810	52,634	51,052	44,966	38,620
1927	33,593	31,207	26,053	23,272	52,053	71,605	81,263	81,418	77,508	71,208	62,066	54,703
1928	47,020	38,575	31,362	34,411	51,532	67,941	77,744	81,670	89,106	82,255	73,327	64,201
1929	56,181	48,055	38,250	34,918	51,825	71,560	84,766	91,488	86,693	81,541	70,331	61,772
Frozen poultry:												
1925	133,990	138,189	130,513	108,608	82,732	68,126	58,562	53,558	47,946	44,345	53,787	86,733
1926	111,501	109,512	95,397	73,124	52,783	42,808	36,730	35,793	38,634	44,771	64,842	106,854
1927	144,497	145,076	129,510	104,697	77,282	61,525	50,064	42,293	39,711	43,201	52,315	85,030
1928	117,490	118,154	103,494	83,169	56,832	43,872	38,230	40,395	40,749	43,578	58,093	79,173
1929	109,084	102,380	89,088	68,728	52,901	41,643	42,001	40,896	49,010	61,976	86,873	115,876
Beef:												
1925	142,964	140,705	130,809	116,318	96,223	74,618	61,554	49,674	45,214	40,719	47,481	73,564
1926	84,996	80,538	77,690	70,781	59,978	52,579	48,688	46,048	41,697	46,250	61,198	85,977
1927	100,873	95,254	88,020	77,159	62,928	50,413	43,756	35,722	33,446	35,878	43,916	65,345
1928	76,947	71,651	63,749	57,256	46,194	37,212	32,238	32,442	31,065	37,223	58,036	79,633
1929	98,913	93,990	88,771	81,607	70,714	57,315	52,055	45,930	48,014	56,434	72,059	93,444
Pork:												
1925	647,364	778,792	865,355	829,557	814,189	748,418	738,655	669,536	583,789	467,378	392,605	385,027
1926	472,219	556,042	609,847	626,594	603,798	574,472	602,176	642,673	623,086	514,351	405,623	388,238
1927	472,757	589,071	671,674	738,446	770,212	787,850	844,275	841,271	766,418	608,767	467,119	419,822
1928	523,425	655,638	885,916	997,737	960,672	919,366	915,360	819,185	682,015	515,087	433,160	461,762
1929	670,039	838,280	944,742	921,961	923,558	870,785	841,937	814,354	719,400	609,498	491,402	489,629
All meats:												
1925	880	1,020	1,100	1,042	1,000	905	878	790	695	562	486	511
1926	616	696	746	753	714	677	706	748	725	619	522	531
1927	642	751	823	879	894	900	953	945	867	705	563	541
1928	666	796	1,025	1,133	1,079	1,023	1,013	917	772	604	548	597
1929	857	1,025	1,128	1,097	1,085	1,013	978	944	847	733	632	661
Lard:												
1925	61,049	112,704	151,927	150,182	151,499	138,295	145,919	145,924	114,724	71,626	37,256	33,710
1926	42,478	64,187	76,145	93,108	98,365	106,824	120,527	153,572	151,233	105,558	72,355	46,744
1927	49,992	69,576	77,103	92,089	99,611	111,976	147,318	179,136	167,018	118,174	72,121	46,154
1928	54,855	84,007	121,082	164,506	173,088	186,073	214,479	204,939	177,888	126,890	83,474	67,257
1929	85,217	140,526	173,854	179,428	184,748	183,490	199,599	203,010	180,085	153,690	99,845	68,517
Frozen fish: [1]												
1925	55,308	44,034	29,865	22,442	23,749	31,980	40,458	47,474	55,447	58,358	61,849	58,048
1926	48,181	37,378	24,894	16,154	21,540	31,345	45,606	57,627	64,657	70,310	75,034	69,854
1927	58,655	48,684	34,887	24,731	20,782	36,696	42,118	54,061	60,330	65,960	66,790	64,787
1928	53,921	44,877	34,528	26,473	26,513	40,946	53,140	66,170	71,352	73,410	77,677	78,090
1929	62,375	48,364	37,744	31,687	30,174	40,148	51,664	64,810	72,674	75,864	79,439	75,807

[1] Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 645.—WOOL: Production, Imports, and Exports of the United States

Note.—**All figures in thousands of pounds.** Production is for calendar years, and beginning with 1900 includes pulled wool; previously included only fleece. Exports and imports for 1830 are for the fiscal year ended Sept. 30; for yearly averages and years to and including 1915, for fiscal years ended June 30; subsequently, calendar years. Imports prior to 1915 and domestic exports beginning 1923 include hair of the camel, Angora goat, alpaca, and other like animals

Yearly average or year	Production	Imports [1]	Exports		Yearly average or year	Production	Imports [1]	Exports	
			Domestic	Foreign				Domestic	Foreign
1839	35,802	7,925	------	119	1901	302,502	103,584	200	3,591
1849	52,517	17,860	160	47	1902	316,341	166,577	123	3,105
1859	60,265	24,471	1,707	41	1903	287,450	177,138	519	2,993
1862–1870	[2] 100,102	49,230	153	1,710	1904	291,783	173,743	320	2,863
1871–1880	187,093	68,030	152	3,939	1905	295,488	249,136	124	2,438
1881–1890	280,083	93,195	115	4,294	1906	298,915	201,089	192	5,450
1891–1895	309,409	142,319	1,077	3,637	1907	298,295	203,848	215	3,232
1896–1900	275,154	189,445	3,244	6,015	1908	311,138	125,981	182	5,684
1901–1905	298,713	174,035	257	2,998	1909	330,420	266,409	28	3,496
1906–1910	312,026	212,371	133	4,374	1910	321,363	263,928	48	4,008
1911–1915	298,937	215,354	1,714	4,502	1911	318,548	137,648	------	8,206
1916–1920	290,918	399,980	3,568	4,276	1912	304,043	193,401	------	1,720
1921–1925	277,455	334,156	699	12,779	1913	296,175	195,293	77	4,432
1885	308,000	70,596	88	3,115	1914	290,102	247,649	335	1,205
1886	302,000	129,035	2,138	6,534	1915	285,726	302,782	8,158	7,247
1887	285,000	114,038	6,268	6,728	1916	288,490	442,650	3,919	2,128
1888	269,000	113,559	22	4,360	1917	281,802	416,137	1,827	1,272
1889	265,000	120,488	142	3,263	1918	298,870	447,426	407	452
1890	260,827	105,431	231	3,288	1919	298,258	438,782	2,840	5,134
1891	285,000	129,304	292	2,638	1920	287,079	254,905	8,845	12,393
1892	294,000	148,671	202	3,008	1921	283,620	316,605	1,927	1,552
1893	348,538	172,434	92	4,219	1922	263,713	366,538	453	4,225
1894	325,211	55,153	520	5,977	1923	268,196	388,345	535	23,557
1895	294,297	206,034	4,279	2,343	1924	279,375	262,655	309	27,476
1896	272,475	230,911	6,946	6,026	1925	292,362	336,646	273	7,087
1897	259,153	350,852	5,272	3,423	1926	311,576	299,451	292	14,074
1898	266,721	132,795	121	2,505	1927	332,014	264,507	323	10,711
1899	272,191	76,736	1,683	12,413	1928	355,615	240,360	485	4,435
1900	305,231	155,928	2,200	5,702	1929	363,447	277,204	230	2,380

[1] For 1859, 1862 to 1868, inclusive, and 1872, includes estimates for quantity of wool on pelts imported.
[2] One year only, 1870.

Source: Production, 1839, 1849, 1859, and 1870, Bureau of the Census; other years, reports of the Department of Agriculture; imports and exports, Bureau of Foreign and Domestic Commerce.

No. 646.—WOOL: Prices, Value of Imports, and Receipts at Boston

	1910–1913, average	1914–1920, average	1921–1925, average	1925	1926	1927	1928	1929
Prices (cents per pound):								
Average United States farm price, unwashed	18	38	32	38	32	31	37	31
Ohio and Pennsylvania, fine clothing, unwashed, at Boston	23	46	44	49	40	37	38	34
Territory, fine staple scoured, at Boston	60	127	126	139	116	110	116	98
Value of United States imports (thous. of dollars):								
Clothing [1]	15,659	140,084	17,137	10,908	5,371	6,020	8,051	6,966
Combing [1]	3,994	5,901	53,317	82,543	65,915	38,265	31,729	31,901
Carpet	13,540	25,380	29,675	47,233	30,103	37,470	37,947	46,988
Receipts at Boston (thousands of pounds):								
Total	290,150	424,336	304,125	305,619	346,931	344,548	300,923	305,397
Domestic	206,047	184,380	162,099	131,446	169,270	218,189	210,552	206,946
Foreign	84,103	239,956	202,026	174,173	177,661	126,359	90,371	98,451

[1] Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture; imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 647.—WOOL: Estimated Production and Weight Per Fleece

NOTE.—Only States with a production in 1929 of over 2,500,000 pounds of wool are shown separately. The divisions shown include the States comprising the following divisions: North Atlantic, the New England and Middle Atlantic; North Central, the East North Central and West North Central; South Central, the East South Central and West South Central; Far Western, the Mountain and Pacific

Division and State	Production in thousands of pounds						Average weight per fleece [1] (pounds) 1929
	1924	1925	1926	1927	1928	1929	
United States	235,575	245,562	260,976	281,914	303,715	308,947	7.6
North Atlantic	6,489	6,735	6,981	6,777	7,002	6,803	7.2
New York	2,708	2,898	3,081	2,956	2,966	2,765	7.2
Pennsylvania	2,766	2,805	2,805	2,730	2,948	3,017	7.6
North Central	52,925	55,410	58,215	63,645	65,523	68,034	7.7
Ohio	14,167	14,467	14,760	15,662	14,776	14,426	8.1
Indiana	3,391	3,562	3,715	4,088	4,307	4,500	7.2
Illinois	3,334	3,419	3,648	4,162	3,724	3,922	7.5
Michigan	6,880	7,416	7,920	8,272	8,250	8,580	7.8
Wisconsin	2,109	2,250	2,508	2,774	2,808	2,795	7.7
Minnesota	2,886	3,151	3,634	4,211	4,661	5,143	7.9
Iowa	5,360	5,360	5,440	5,896	5,960	6,423	7.9
Missouri	5,236	5,208	5,250	5,523	5,962	6,000	7.1
North Dakota	1,853	2,263	2,772	3,469	3,984	4,649	8.2
South Dakota	4,312	4,446	4,714	5,160	6,009	6,352	7.7
Nebraska	1,998	2,212	2,175	2,442	2,370	2,850	7.6
South Atlantic	4,690	4,804	5,057	5,375	5,797	6,226	5.2
West Virginia	2,236	2,272	2,311	2,457	2,684	2,798	5.3
South Central	30,229	30,898	33,049	39,165	44,941	48,684	7.5
Kentucky	2,880	3,125	3,278	3,845	4,051	4,305	4.7
Texas	24,806	25,280	27,297	32,725	38,200	41,300	8.5
Far Western	141,242	147,715	157,674	166,952	180,452	179,220	7.8
Montana	19,522	20,640	23,320	24,166	26,626	28,733	8.6
Idaho	14,450	14,309	14,507	15,840	17,885	17,829	8.8
Wyoming	19,090	21,362	22,338	25,317	26,488	26,000	8.3
Colorado	6,486	6,862	7,740	8,118	9,956	9,979	7.2
New Mexico	11,224	11,084	12,060	12,600	13,683	14,000	6.3
Arizona	6,448	6,458	6,758	6,240	5,760	6,120	6.0
Utah	17,970	18,010	19,430	19,975	22,072	19,011	8.1
Nevada	7,597	7,560	8,730	8,015	8,580	7,423	7.2
Washington	4,365	4,560	4,194	4,753	5,270	5,040	9.0
Oregon	15,840	16,958	18,321	18,128	20,332	18,849	8.3
California	18,250	19,912	20,276	23,800	23,800	25,636	6.8
Pulled wool [2]	43,800	46,800	49,600	50,100	51,900	54,500	

[1] In States where sheep are shorn twice a year this figure covers wool per head of sheep shorn and not weight per fleece.
[2] Estimated from returns of plants pulling from 80 to 90 per cent of all wool.

No. 648.—WOOL CONSUMED IN MANUFACTURES: 1925 TO 1929

NOTE.—**All figures in thousands of pounds.** These figures do not include the consumption of one large and several *small concerns.* The grease equivalent of the totals shown below is as follows: 1925, 526,285,243 pounds; 1926, 510,032,772; 1927, 551,528,052; 1928, 538,354,229; 1929, 585,558,000

Class and grade	Total					1929		
	1925	1926	1927	1928	1929	Grease	Scoured	Pulled
Total	450,021	438,356	477,118	465,018	516,113	426,917	59,570	29,626
Domestic	213,134	200,662	257,104	271,215	283,622	221,684	43,199	18,739
Foreign	236,887	237,694	220,014	193,803	232,491	205,233	16,371	10,887
Combing:								
Domestic	147,837	139,142	186,815	200,152	219,706	204,715	6,436	8,555
Foreign	90,025	105,843	80,480	48,859	65,607	59,770	4,993	844
Clothing:								
Domestic	65,297	61,520	70,289	71,063	63,916	16,969	36,763	10,184
Foreign	15,052	12,823	10,616	9,117	10,782	2,234	7,808	740
Clothing and combing combined:								
Fine	102,745	102,754	120,153	118,099	142,278	125,183	13,012	4,083
One-half blood	54,117	51,341	56,269	61,535	64,285	48,898	10,433	4,954
Three-eighths blood	66,017	67,560	67,322	63,018	65,896	46,763	12,488	6,645
One-fourth blood	72,843	69,150	67,947	61,273	58,181	39,913	14,899	3,369
Low or Lincoln	22,489	28,523	36,509	25,266	29,371	22,931	5,168	1,272
Carpet	131,810	119,028	128,918	135,827	156,102	143,229	3,570	9,303

Sources: Table 647, Bureau of Agricultural Economics, Department of Agriculture; Table 648, Bureau of the Census, Department of Commerce.

No. 649.—ANIMAL FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

NOTE.—Only major materials and products are shown. The figures for products in some cases include and in other cases exclude data for the specified commodities made as secondary products by establishments classified in other industries; and in the cases of certain commodities the data for these secondary products are included beginning in 1925 but not for 1914. No data for establishments having products under $5,000 in value are included beginning 1925; this change has little effect on comparability with 1914

Industry, material, and product	Quantity (thousands of units specified)				Cost or value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
BUTTER, CHEESE, AND CONDENSED MILK							
Materials used, total cost					315,026	847,006	884,845
Milk	Pounds	8,431,426	(1)	(1)	114,298	(1)	(1)
Cream	do	2,384,035	(1)	(1)	160,934	(1)	(1)
Skimmed milk	do	525,041	(1)	(1)	994	(1)	(1)
All other					38,800	(1)	(1)
All products, total value					364,285	979,253	1,068,832
Butter	Pounds	769,810	1,455,625	1,564,227	218,021	636,749	695,625
Cheese, total	do	370,279	545,822	518,198	50,377	112,819	110,162
Cheese, other than cottage, pot, and bakers'	do	332,691	494,773	449,444	47,433	108,587	104,220
Cheese, cottage, pot, and bakers'	do	37,588	51,050	68,754	2,944	4,232	5,942
Condensed and evaporated milk, total	do	873,411	1,813,843	2,097,300	58,747	145,304	167,850
Condensed, sweetened	do	267,870	430,698	378,687	21,585	38,745	34,251
Condensed, unsweetened	do	331,893	1,383,145	1,718,613	19,928	106,559	133,599
Evaporated	do	273,648			17,234		
Casein dried	do	13,570	21,978	23,518	978	2,299	3,052
Powdered milk, cream, etc.	do	20,454	111,632	133,336	1,968	11,967	19,737
Sugar of milk	do	4,051	6,126	5,406	401	890	644
Other products					33,793	69,225	71,762
SLAUGHTERING AND MEAT PACKING							
Materials used, total cost					1,441,663	2,625,192	2,663,740
Animals slaughtered:							
Beeves	Number	7,149	10,854	10,725	490,108	(1)	(1)
Calves	do	2,019	5,776	5,477	27,623	(1)	(1)
Sheep and lambs	do	15,944	13,616	14,389	84,784	(1)	(1)
Hogs	do	34,442	48,073	47,492	597,098	(1)	(1)
Dressed meats purchased		(1)	(1)	(1)	124,335	(1)	(1)
All other materials		(1)	(1)	(1)	117,715	(1)	(1)
All products, total value					1,651,965	3,050,286	3,057,216
Fresh meat:							
Beef	Pounds	3,658,334	5,064,508	5,069,619	421,297	661,103	762,614
Veal	do	194,699	575,963	549,685	26,299	87,189	98,489
Mutton and lamb	do	629,233	521,993	547,473	74,676	128,213	130,283
Pork	do	1,877,099	2,837,926	3,110,253	226,536	516,469	517,863
Edible offal and other fresh meats	do	280,091	540,291	568,501	17,647	50,965	54,983
Cured meat:							
Beef	do	91,572	84,197	102,738	14,395	17,911	22,905
Pork	do	2,029,310	3,295,937	3,134,172	393,606	751,804	602,726
Canned meats and canned sausage	do	234,803	118,576	144,198	36,263	24,334	27,824
Sausage (not canned) and sausage casings, meat puddings, head cheese, scrapple, etc.	do	546,940	995,278	1,033,885	71,916	196,743	203,126
Lard	do	1,119,189	1,672,334	1,794,636	120,414	279,625	234,864
Cattle hides	do	415,891	621,381	616,714	69,959	80,797	90,218
Calfskins	do	18,648	56,092	53,581	3,513	11,069	11,160
Sheep pelts	Number	15,917	10,832	8,961	13,624	22,553	15,964
All other skins	Pounds	(1)	1,054	3,242	389	101	324
Wool	do	26,432	32,235	30,439	7,938	23,429	18,478
All other products					153,493	197,982	256,395

[1] Not reported separately.

Source: Bureau of the Census, Department of Commerce.

28.—FARM CROPS AND FOODSTUFFS

[In general, data in this section other than on foreign trade relate to continental United States, while foreign trade statistics represent the trade of the customs area (see general note, p. 404). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 857]

No. 650.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

NOTE.—Average production of 1910–1914 equals 100. Production of wheat, corn, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton for each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

Period or year	Production index	Year	Production index	Year	Production index	Year	Production index
1890–1894	62	1897	75	1908	94	1919	108
1895–1899	78	1898	85	1909	94	1920	117
1900–1904	84	1899	82	1910	97	1921	100
1905–1909	94	1900	81	1911	91	1922	110
1910–1914	100	1901	74	1912	110	1923	110
1915–1919	108	1902	91	1913	95	1924	111
1920–1925	110	1903	84	1914	107	1925	112
1893	61	1904	92	1915	118	1926	114
1894	62	1905	94	1916	100	1927	115
1895	71	1906	99	1917	108	1928	119
1896	77	1907	89	1918	107	1929	114

No. 651.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year are relative to the average yield for the 10 preceding years; data for the several States are weighted according to crop values in 1919

Year	United States	North Atlantic	North Central	South Atlantic	South Central	Western
1913	93.3	95.5	90.7	103.5	92.3	95.1
1914	102.3	109.3	99.4	105.1	103.1	102.6
1915	108.0	98.9	114.4	99.6	103.5	102.1
1916	95.1	108.9	92.6	102.9	88.0	97.7
1917	102.0	104.6	107.3	100.7	93.0	91.2
1918	97.6	101.2	103.6	100.3	83.6	85.3
1919	99.8	104.8	100.4	93.1	105.5	88.5
1920	106.9	107.9	109.8	100.4	107.4	96.9
1921	91.7	90.3	92.9	80.8	92.9	98.3
1922	96.7	104.1	103.0	84.4	89.9	95.5
1923	96.1	100.3	101.0	90.6	82.8	106.8
1924	98.1	107.3	102.7	88.4	97.6	86.2
1925	99.6	104.3	97.8	91.9	92.4	103.9
1926	104.6	105.1	91.9	108.4	121.5	103.2
1927	102.5	102.3	101.7	98.3	99.3	111.6
1928	103.5	102.1	106.1	97.2	99.1	109.7
1929	97.8	(1)	(1)	(1)	(1)	(1)

[1] Not computed.

No. 652.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec. 1

Period	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre
1866–1870	$14.70	1895	$8.12	1907	$14.74	1919	$35.74
1871–1875	14.05	1896	7.94	1908	15.32	1920	23.26
1876–1880	11.89	1897	9.07	1909	16.00	1921	14.45
1881–1885	11.33	1898	9.00	1910	15.53	1922	19.23
1886–1890	9.97	1899	9.13	1911	15.36	1923	21.52
1891–1895	9.71	1900	10.31	1912	16.09	1924	23.88
1896–1900	9.09	1901	11.43	1913	16.49	1925	21.76
1901–1905	12.53	1902	12.07	1914	16.44	1926	19.07
1906–1910	15.01	1903	12.62	1915	17.18	1927	20.92
1911–1915	16.31	1904	13.26	1916	22.58	1928	20.34
1916–1920	29.72	1905	13.28	1917	33.27	1929	20.33
1921–1925	20.05	1906	13.46	1918	33.73		

Source of Tables 650, 651, and 652: Bureau of Agricultural Economics, Department of Agriculture.

No. 653.—PRODUCTION OF PRINCIPAL AGRICULTURAL COMMODITIES

NOTE.—Data are for the crop or growth year. Blank lines indicate that data are not available. The weight of a bushel of wheat is 60 pounds, a bushel of corn, 56 pounds

Year	Corn	Wheat	Rice [1]	Sugar		Cotton [2]		Wool
				Beet	Cane	Running bales [3]	500-pound bales [4]	
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Thousands*	*Thousands*	*1,000 pounds*
1800			[5] 67,234			154	73	
1810			[5] 78,805			286	178	
1820			53,202			576	335	
1830			81,352			1,026	732	
1840	[6] 377,532	[6] 84,823	84,253		[6] 120,851	1,635	1,348	35,802
1850	[6] 592,071	[6] 100,486	102,776		[6] 247,577	2,454	2,136	52,517
1855			103,606		276,568	3,666	3,221	
1860	[6] 838,793	[6] 173,105	106,279		274,725	3,849	3,841	60,265
1865			10,246	[7] 896	20,680	2,209	2,094	142,000
1870	1,094,255	236,885	54,889		178,304	4,352	4,025	100,102
1875	1,321,069	292,136	83,861	[8] 224	172,480	4,032	4,303	181,000
1880	1,717,435	498,550	111,869		285,302	6,606	6,357	240,682
1881	1,194,916	383,280	102,605	[7] 1,120	171,076	5,456	5,136	240,000
1882	1,617,025	504,185	99,985		318,746	6,950	6,833	272,000
1883	1,551,067	421,086	110,700	1,198	302,944	5,713	5,522	290,000
1884	1,795,528	512,765	109,562	2,134	225,962	5,682	5,477	300,000
1885	1,936,176	357,112	150,195	1,344	302,754	6,576	6,369	308,000
1886	1,665,441	457,218	155,670	1,792	191,282	6,505	6,315	302,000
1887	1,456,161	456,329	113,631	572	375,904	7,047	6,885	285,000
1888	1,987,790	415,868	124,733	4,168	344,756	6,938	6,924	269,000
1889	1,998,648	434,383	131,722	4,934	301,284	7,473	7,473	265,000
1890	1,460,406	378,097	136,800	7,748	497,170	8,653	8,562	269,827
1891	2,055,823	584,504	155,666	12,004	370,580	9,035	8,941	285,000
1892	1,713,688	527,987	237,547	27,084	498,456	6,700	6,658	294,000
1893	1,707,572	427,553	122,865	45,192	610,826	7,493	7,433	348,528
1894	1,339,680	516,485	100,821	45,006	729,394	9,901	10,026	325,311
1895	2,310,952	569,456	168,665	65,452	543,636	7,161	7,147	294,297
1896	2,503,484	544,193	96,886	84,080	644,176	8,533	8,516	272,475
1897	2,144,553	610,254	116,302	90,492	708,252	10,898	10,985	259,153
1898	2,261,119	772,163	136,991	72,736	568,788	11,189	11,435	266,721
1899	2,454,628	636,051	219,278	163,458	322,548	9,393	9,345	272,191
1900	2,505,148	602,708	253,139	172,164	623,772	10,102	10,123	305,231
1901	1,613,528	788,638	388,035	369,212	728,650	9,583	9,510	302,502
1902	2,619,499	724,808	319,293	436,812	745,806	10,588	10,631	310,346
1903	2,346,807	663,923	560,750	481,208	556,140	9,820	9,851	287,450
1904	2,528,662	596,911	586,005	484,226	829,990	13,451	13,438	291,783
1905	2,748,949	726,819	377,975	625,842	781,204	10,495	10,575	295,488
1906	2,897,662	756,775	495,976	967,224	544,320	12,983	13,274	298,915
1907	2,512,065	637,981	520,504	927,256	788,480	11,058	11,107	298,295
1908	2,544,957	644,656	608,060	851,768	828,800	13,086	13,242	311,138
1909	2,572,336	700,434	572,421	1,024,938	663,452	10,073	10,005	330,420
1910	2,886,200	635,121	680,839	1,020,344	710,080	11,668	11,609	321,363
1911	2,531,488	621,338	637,061	1,199,000	721,748	15,553	15,693	318,548
1912	3,124,746	730,267	695,959	1,385,112	325,147	13,489	13,703	304,043
1913	2,446,988	763,380	715,117	1,466,802	601,075	13,983	14,156	290,175
1914	2,672,804	891,017	656,922	1,444,168	493,028	15,906	16,135	290,192
1915	2,994,793	1,025,801	804,090	1,748,440	277,240	11,068	11,192	285,726
1916	2,566,927	636,318	1,135,037	1,641,314	621,799	11,364	11,450	288,490
1917	3,065,233	636,655	964,980	1,530,414	491,680	11,248	11,302	281,892
1918	2,502,665	921,438	1,072,397	1,521,900	568,800	11,906	12,041	298,870
1919	2,811,302	967,979	1,166,259	1,452,902	244,250	11,326	11,421	298,258
1920	3,208,584	833,027	1,446,289	2,178,000	352,204	13,271	13,440	287,079
1921	3,068,569	814,905	1,044,778	2,041,000	656,399	7,978	7,954	283,629
1922	2,906,020	867,598	1,150,139	1,350,000	591,000	9,729	9,762	265,713
1923	3,053,557	797,394	936,583	1,762,000	330,000	10,171	10,140	268,196
1924	2,309,414	864,428	902,722	2,180,000	[9] 176,965	13,639	13,628	279,375
1925	2,916,106	676,765	925,250	1,826,000	[9] 278,763	16,123	16,104	292,302
1926	2,691,531	831,381	1,150,167	1,794,000	[9] 94,332	17,755	17,977	311,576
1927	2,763,093	878,374	1,243,687	2,186,000	[9] 141,587	12,783	12,956	332,014
1928	2,818,901	914,876	1,201,077	2,122,000	[9] 264,107	14,297	14,478	355,615
1929 (prel.)	2,662,189	806,508	1,117,108	2,036,000	[9] 399,217	14,589	14,828	363,447

[1] Cleaned rice for 1800 to 1903 represents commercial movement, as given by Dan Talmage's Sons Co.
[2] Figures for the years 1810 to 1898 include linters excluded in subsequent years.
[3] Counting round as half bales.
[4] Equivalent 500-pound bales, gross weight.
[5] Exports.
[6] Census figures for the previous year.
[7] Mean annual production not exceeding quantity stated.
[8] Production uncertain; not exceeding quantity stated.
[9] Louisiana only.

Sources: Cotton, 1899 to date, Bureau of the Census, Department of Commerce; other figures, Bureau of Agricultural Economics, Department of Agriculture.

No. 654.—CROP VALUES: COMPARATIVE STATEMENT SHOWING CHANGE BETWEEN 1919 AND 1924 DUE TO PRODUCTION, AND DECREASE BETWEEN 1919 AND 1924 RESULTING FROM LOWER PRICES: CENSUS STATISTICS

NOTE.—Crops not reported by quantity are omitted

[All amounts in thousands of dollars]

Crop	Value of crops [1]			Increase or decrease in crop values, 1919 to 1924 [2]					
	As reported, 1919	Computed for 1924 on basis of 1919 prices	As reported, 1924	Gross change [3]		Change due to production [4]		Decrease due to lower prices [5]	
				Amount	Per cent	Amount	Per cent	Amount	Per cent
All crops, including hay and forage	12,937,981		7,463,030	−5,474,952	−42				
All crops, excluding hay and forage	10,681,956	10,241,624	6,252,419	−4,379,537	−41	−390,332	−4	3,989,205	39
Cereals	6,921,227	6,009,672	3,804,372	−3,116,856	−45	−911,556	−13	2,205,300	37
Corn harvested for grain	3,507,797	2,727,303	1,868,569	−1,639,228	−47	−780,494	−22	858,733	31
Wheat	2,074,079	1,757,011	1,037,627	−1,036,452	−50	−317,068	−15	719,384	41
Oats threshed for grain	855,255	1,057,417	610,498	−244,758	−29	+202,161	+24	446,919	42
Barley	160,427	209,222	122,082	−38,346	−24	+48,795	+30	87,140	42
Rye	116,538	85,379	57,886	−58,652	−50	−31,159	−27	27,493	32
Buckwheat	19,715	18,648	12,852	−6,863	−35	−1,067	−5	5,797	31
Sorghums harvested for grain	90,221	73,468	52,321	−37,900	−42	−16,753	−19	21,147	29
Rice (rough)	97,194	81,224	42,537	−54,658	−56	−15,970	−16	38,687	48
Peanuts	62,752	61,492	35,308	−27,444	−44	−1,259	−2	26,185	43
Flaxseed	29,361	124,650	66,135	+36,774	+125	+95,289	+325	58,515	47
Hay and forage, excluding corn cut for forage	2,306,026		1,210,611	−1,095,415	−48				
Sugar beets grown for sugar	66,052	77,027	55,754	−10,298	−16	+10,975	+17	21,272	28
Miscellaneous crops	3,215,420	3,608,144	2,067,971	−1,157,449	−36	+392,723	+12	1,550,172	43
Potatoes (Irish or white)	639,441	776,023	223,925	−415,515	−65	+136,583	+21	552,098	71
Sweetpotatoes and yams	124,844	59,861	53,812	−71,033	−57	−64,983	−52	6,049	10
Tobacco	443,705	357,812	211,733	−231,972	−52	−85,893	−19	146,080	41
Cotton	2,007,430	2,414,447	1,568,501	−438,929	−22	+407,017	+20	845,946	35
Apples	241,574	270,596	174,821	−66,753	−28	+29,022	+12	95,775	35
Peaches	95,570	90,044	58,058	−37,512	−39	−5,526	−6	31,985	36

[1] Value of crops with production reported in 1924, exclusive of sugar cane.
[2] A minus sign (−) denotes decrease and a plus sign (+) an increase.
[3] Change in value as actually reported, due to change in production and to lower prices.
[4] Increase or decrease in value on basis of 1919 prices for both 1919 and 1924 crops. The percentages in this section represent the net quantitative increase or decrease in production.
[5] Decrease of actual 1924 values over values computed for 1924 on basis of 1919 prices.

Source: Bureau of the Census, Department of Commerce.

No. 655.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1924

NOTE.—Tons are of 2,000 pounds; bales of cotton, of 500 pounds. For weights of the bushel for principal products, see Appendix, p. 857. The approximate weights of units of measurement for other products are as follows: Number of pounds to the bushel—emmer and spelt, 40; sweet potatoes, 54; apples, 45; peaches, 48; pears, 50; cherries, 56; apricots, 48. Number of pounds to a box (net)—grape fruit, 70; lemons, 74; oranges, California, 70; Florida, 80.

Crop	Acreage (thousands)				Production in thousands of units indicated					Value in thousands of dollars		
	1899	1909	1919	1924	Unit	1899	1909	1919	1924	1909	1919	1924[1]
All crops												
With acreage reports	283, 149	311, 195	[2]348,549	[3]338, 620						5, 231, 851	14, 755, 298	7, 472, 635
With no acreage reports										5, 018, 074	13, 638, 130	7, 239, 656
Cereals	184, 982	191, 396	219, 031	186, 338						213, 776	1, 117, 168	232, 979
Corn harvested for grain	94, 914	98, 383	87, 772	82, 329	Bushel	4, 438, 857	4, 512, 564	4, 661, 216	4, 244, 398	2, 665, 540	6, 941, 533	3, 804, 372
Wheat	52, 589	44, 263	73, 099	50, 862	do	2, 666, 324	2, 552, 190	2, 345, 833	1, 823, 880	1, 438, 554	3, 507, 797	1, 868, 569
Oats threshed for grain	29, 540	35, 159	37, 991	37, 650	do	658, 534	683, 379	945, 403	800, 877	657, 657	2, 074, 079	1, 037, 627
Barley	4, 470	7, 699	6, 473	6, 767	do	943, 389	1, 007, 143	1, 055, 183	1, 304, 599	414, 697	855, 255	610, 498
Rye	2, 054	2, 196	7, 679	3, 744	do	119, 635	173, 344	122, 025	159, 139	92, 459	160, 427	122, 082
Buckwheat	807	878	743	717	do	25, 569	29, 520	75, 992	55, 674	20, 422	116, 538	57, 886
Emmer and spelt		574	167	(4)	do	11, 234	14, 849	12, 690	12, 004	9, 331	19, 715	12, 852
Sorghums harvested for grain	267	1, 635	3, 619	3, 526	do		12, 703	2, 608	(4)	5, 584	3, 700	(4)
Rice (rough)	342	610	911	744	do	5, 169	17, 597	72, 086	58, 700	10, 817	90, 221	52, 321
Mixed crops			577	(4)	do	9, 003	21, 339	35, 331	29, 526	16, 020	97, 194	42, 537
Other grains and seeds with acreage reports	4, 075	5, 157	4, 652	(4)	do			14, 065	(4)		16, 605	(4)
Dry edible beans	454	803	1, 162	1, 637		(4)	(4)	(4)	(4)	80, 959	184, 056	(4)
Soy beans		2	113	(4)	Bushel	5, 064	11, 251	14, 079	(4)	21, 771	61, 795	(4)
Other beans	26	13	[5]2	[6]1, 476	do		17	1, 085	(4)	21	4, 450	(4)
Dry peas	908	1, 305	866	(4)	do	143	163	50	(4)	220	126	(4)
Peanuts	517	870	1, 125	1, 105	do	9, 440	7, 129	5, 743	(4)	10, 964	20, 791	(4)
Flaxseed	2, 111	2, 083	1, 261	3, 435	do	11, 964	19, 416	27, 450	26, 899	18, 272	62, 752	35, 308
Miscellaneous seeds		81	124	(4)	do	19, 979	19, 513	6, 053	28, 249	28, 971	29, 361	66, 135
Seeds with no acreage reports						(4)	(4)	(4)	(4)	740	4, 781	(4)
Hay and forage, including corn cut for forage			96, 121	[7]88, 937	Bushel	4, 865	6, 671	7, 852	(4)	16, 549	88, 854	(4)
Hay and forage, excluding corn cut for forage	61, 691	72, 402	81, 618	[7]82, 314	Ton			146, 343	(4)		2, 523, 050	(4)
Hay alone	58, 584	68, 227	72, 780	74, 096	do	79, 252	97, 755	128, 549	[7]116, 792	826, 401	2, 316, 116	[7]1, 210, 611
Vegetables [10]	5, 638	7, 073	5, 530	5, 012[8]	do	71, 113	87, 216	90, 356	[8]88, 384	776, 068	1, 953, 149	[9]1, 076, 254
Potatoes (Irish or white)	2, 939	3, 669	3, 252	2, 911		(4)	(4)	(4)	(4)	418, 110	1, 302, 200	(4)
Sweet potatoes and yams	537	641	803	467	Bushel	273, 318	389, 195	290, 428	352, 462	166, 424	639, 441	223, 925
Other vegetables [11]	2, 162	2, 763	1, 475	1, 635	do	42, 517	59, 232	78, 092	37, 444	35, 429	124, 844	53, 812
Sugar crops	790	1, 164	1, 491	(4)		(4)	(4)	(4)	(4)	216, 257	537, 915	(4)
Sugar cane	387	477	373	326	Ton	6, 906	11, 519	11, 182	(4)	59, 253	162, 439	(4)
Sorghum grown for sirup	293	326	482	184	do	4, 202	6, 240	3, 545	[12]1, 664	26, 416	59, 499	[12]9, 505
Sugar beets grown for sugar	110	360	636	743	do	1, 910	1, 376	1, 644	(4)	7, 963	24, 506	(4)
Maple sugar and sirup	(4)	(4)	(4)	(4)	do	793	3, 902	5, 993	6, 989	19, 695	96, 052	55, 754
						(4)	(4)	(4)	(4)	5, 178	12, 381	(4)

Miscellaneous crops		33,730	35,977	(4)						943,015	2,820,168	(4)
Tobacco	1,101	1,295	1,861	1,538	Pound	868,113	1,055,765	1,371,504	1,106,340	104,303	443,705	211,733
Cotton, including cottonseed	24,275	32,044	33,740	30,204						824,696	2,355,169	(4)
Lint cotton					Bale	9,535	10,649	11,376	13,683	703,619	2,007,430	1,568,501
Cottonseed (estimated)					Ton	4,767	5,325	5,328	6,070	121,077	347,739	(4)
Broom corn	179	326	338	(4)	Pound	90,947	78,960	118,031	(4)	5,134	7,945	(4)
Hops	56	45	16	(4)	do	49,210	40,719	19,761	(4)	7,845	10,364	(4)
Sundry minor crops	52	20	22	(4)					(4)	1,037	2,984	(4)
Small fruits	310	272	249	(4)	Quart	463,219	426,566	324,989	(4)	29,974	61,732	(4)
Strawberries	151	143	119	193	do	257,427	255,702	176,932	(4)	17,914	36,004	(4)
Raspberries and loganberries	61	49	54	(4)	do	76,628	60,918	61,334	(4)	5,132	13,386	(4)
Blackberries and dewberries	50	49	46	(4)	do	62,190	55,344	39,945	(4)	3,910	7,118	(4)
Cranberries	20	18	17	(4)	do	31,601	38,243	35,260	(4)	1,756	3,198	(4)
Currants	13	8	7	(4)	do	13,593	10,449	7,615	(4)	790	1,422	(4)
Other berries	14	5	5	(4)	do	16,780	5,910	3,904	(4)	472	604	(4)
Orchard fruits					Bushel	212,366	213,974	230,682	(4)	140,867	431,098	(4)
Apples					do	175,398	145,412	136,561	152,967	83,231	241,574	174,321
Peaches					do	15,433	35,470	50,686	47,755	28,781	95,570	58,058
Pears					do	6,625	8,841	14,204	(4)	7,911	26,440	(4)
Plums and prunes					do	8,764	15,480	19,084	(4)	10,299	40,984	(4)
Cherries					do	2,873	4,126	3,946	(4)	7,231	14,166	(4)
Apricots					do	2,642	4,150	6,130	(4)	2,884	12,223	(4)
All other					do	630	494	71	(4)	529	141	(4)
Grapes					Pound	1,300,984	2,265,065	2,516,840	(4)	22,028	95,586	(4)
Subtropical fruits										24,707	114,868	(4)
Oranges					Box	6,168	19,487	27,758	(4)	17,566	83,399	(4)
Lemons					do	877	2,770	6,585	(4)	2,994	19,102	(4)
Grapefruit (pomeloes)					do	31	1,189	3,656	(4)	2,061	7,177	(4)
Figs					Pound	12,995	35,060	26,877	(4)	804	2,812	(4)
All other										1,282	2,379	(4)
Nuts										4,448	29,714	(4)
Pecans					Pound	3,207	9,891	31,809	(4)	972	7,792	(4)
Walnuts (Persian or English)					do	10,668	22,027	59,840	(4)	2,297	17,916	(4)
Almonds					do	7,143	6,794	15,853	(4)	712	3,963	(4)
Coconuts					Number		17	613	(4)	1	43	(4)
All other					Pound	19,011	23,617		(4)	466	(4)	(4)

[1] Value of crops with production reported in 1924.
[2] Excluding 14,502,932 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.
[3] Includes 3,160,149 acres of oats unthreshed and 5,172,326 acres of corn hogged off, not reported separately prior to 1924; excludes a few crops for which acreage is not available.
[4] Not available.
[5] Excludes velvet beans, the acreage of which was largely duplicated in the acreage shown for "Hay and forage."
[6] Includes "velvet beans" only.
[7] Exclusive of root crops for forage.
[8] Included in the hay production is an undetermined tonnage of sorghum cut for hay, the acreage being shown separately.
[9] Includes the value of an undetermined tonnage of sorghum cut for hay, no corresponding value being shown in previous years.
[10] See footnote 11.
[11] Including farm gardens in 1899 and 1909, in 1919 vegetables raised for sale only, and in 1924 only 7 vegetables, cabbages, cantaloupes, lettuce, onions, sweet corn, tomatoes, and watermelons, grown for sale. The value of the farm gardens in 1919 (included in the total for crops with no acreage reports) was $344,666,000.
[12] Figures for Louisiana only.

Source: Bureau of the Census, Department of Commerce.

No. 656.—PERCENTAGE OF IMPROVED LAND AND OF TOTAL CROP ACREAGE OCCUPIED BY EACH PRINCIPAL CROP OR CROP GROUP

Crop	Per cent of improved land occupied			Per cent of all reported crop acreage			
	1899	1909	1919	1899	1909	1919	1924
All crops with acreage reports	68.3	65.0	69.3	100.0	100.0	100.0	100.0
All cereals	44.6	40.0	43.5	65.3	61.5	62.8	55.0
Corn	22.9	20.6	17.4	33.5	31.6	25.2	24.3
Wheat	12.7	9.3	14.5	18.6	14.2	21.0	15.0
Oats	7.1	7.3	7.6	10.4	11.3	10.9	11.1
All other	1.9	2.8	4.0	2.8	4.4	5.7	4.6
Beans, peas, peanuts, flaxseed, other seeds	.9	1.1	.9	1.4	1.7	1.2	2.3
Hay and forage	14.9	15.1	16.2	21.8	23.3	23.4	26.3
Tobacco	.3	.3	.4	.4	.4	.5	.5
Cotton	5.9	6.7	6.7	8.6	10.3	9.7	11.6
Sugar crops	.2	.2	.3	.3	.4	.4	.4
Other minor crops	.1	.1	.1	.2	.1	.1	2.5
Vegetables [1]	1.4	1.5	1.1	2.0	2.3	1.6	1.5
Potatoes (Irish or white)	.7	.8	.6	1.0	1.2	.9	.9
Small fruits	.1	.1	(2)	.1	.1	.1	.1

[1] Including potatoes. [2] Less than one-tenth of 1 per cent.

No. 657.—TRUCK CROPS: COMMERCIAL ACREAGE AND PRODUCTION

NOTE.—Only States with a crop of commercial importance are included. Approximate weights of the units of measurement are as follows: Number of pounds to the crate—asparagus, 24; celery and cantaloupes, 60; cauliflower, 50; lettuce, 50. Number of pounds to the bushel—carrots, 50; eggplant, 38; onions, 57; cucumbers, 48; peppers, 22; potatoes, 60. Tons are of 2,000 pounds.

Crop	1924	1925	1926	1927	1928	1929 (prel.)	1929, two leading States
	Acreage						
Asparagus	50,560	65,530	84,930	90,500	96,710	98,900	Calif., N. J.
Beans, snap	88,020	107,170	100,460	110,220	134,370	134,420	Fla., N. J.
Cabbage	119,120	119,970	129,330	143,790	137,170	157,220	N. Y., Tex.
Cantaloupes	95,250	93,260	101,690	105,780	100,660	106,730	Calif., Ariz.
Carrots	11,480	15,760	19,000	26,300	27,540	30,570	Tex., Calif.
Cauliflower	13,100	15,780	22,170	18,020	21,430	25,360	Calif., N. Y.
Celery	22,550	22,910	21,830	24,550	27,040	28,730	Calif., Fla.
Corn, sweet	302,790	393,910	317,310	223,350	305,060	331,070	Ill., Minn.
Cucumbers	122,560	140,480	110,450	93,500	110,020	111,540	Mich., Wis.
Eggplant	2,690	3,490	3,260	3,090	3,890	3,630	Fla., N. J.
Lettuce	68,660	86,030	105,560	123,010	124,630	141,430	Calif., Ariz.
Onions	65,090	65,280	75,780	77,580	80,020	86,570	Tex., Ind.
Peas, green	254,270	260,310	261,840	221,000	266,600	296,810	Wis., N. Y.
Peppers	11,190	13,780	15,560	14,770	17,890	17,810	N. J., Fla.
Pimientos			5,110	7,040	8,850	9,060	Ga., Calif.
Potatoes, early Irish	338,450	302,780	323,800	348,230	401,370	289,490	Va., N. J.
Spinach	34,140	44,360	51,200	55,250	65,350	72,570	Tex., Calif.
Strawberries	176,470	144,740	152,040	191,250	205,920	198,560	La., Mo.
Tomatoes	441,790	483,750	372,430	394,380	399,730	434,370	Ind., Calif.
Watermelons	184,330	173,710	199,060	182,510	205,930	203,560	Ga., Fla.
	Production						
Asparatus, 1,000 crates	5,525	6,276	7,813	7,801	9,433	9,887	Calif., N. J.
Beans, snap, 1,000 tons	118	152	120	125	146	167	Fla., N. J.
Cabbage, do	1,068	937	1,036	1,221	984	1,069	N. Y., Wis.
Cantaloupes, 1,000 crates	13,834	14,553	14,393	15,014	15,416	16,799	Calif., Colo.
Carrots, 1,000 bushels	4,084	4,800	5,523	7,760	7,524	10,161	Calif., Tex.
Cauliflower, 1,000 crates	2,763	3,493	5,581	4,173	5,031	6,450	Calif., Colo.
Celery, do	6,509	6,702	5,767	7,585	7,624	8,686	Calif., Fla.
Corn, sweet, 1,000 tons	528	1,014	816	414	593	639	Iowa, Ill.
Cucumbers, 1,000 bushels	7,677	12,439	9,028	8,294	8,656	8,044	Fla., Mich.
Eggplant, do	794	904	791	814	896	713	Fla., N. J.
Lettuce, 1,000 crates	13,219	16,061	17,144	19,369	18,382	20,325	Calif., Ariz.
Onions, 1,000 bushels	19,242	19,756	21,574	23,799	20,454	25,867	Tex., N. Y.
Peas, green, 1,000 tons	274	242	261	240	278	288	Wis., N. Y.
Peppers, 1,000 bushels	3,681	3,459	3,912	3,536	4,466	44,103	Fla., N. J.
Pimientos, tons			13,190	16,480	15,920	20,060	Ga., Calif.
Potatoes, early Irish, 1,000 bushels	44,100	30,889	36,625	44,827	55,475	35,613	Va., N. J.
Spinach, 1,000 tons	107	105	128	141	141	189	Calif., Tex.
Strawberries, 1,000 quarts	318,121	228,675	276,385	320,991	334,381	331,441	La., Mo.
Tomatoes, 1,000 tons	1,686	2,322	1,375	1,628	1,394	1,846	Calif., N. J.
Watermelons, thousands	57,086	56,498	69,698	57,682	63,295	67,616	Ga., Fla.

Sources: Table 656, Bureau of the Census, Department of Commerce; Table 657, Bureau of Agricultural Economics, Department of Agriculture.

No. 658—ESTIMATED VALUE OF 22 PRINCIPAL CROPS AND OF 67 CROPS: BY STATES

NOTE.—Values are based on December 1 or seasonal farm prices. The 22 principal crops for which values are shown cover corn, wheat, oats, barley, rye, buckwheat, flaxseed, rice, potatoes, sweetpotatoes, all hay, tobacco, cotton, beans, broomcorn, grain sorghums, hops, oranges, red and alsike clover seed, peanuts, cranberries, and apples

[Values in million and tenths of millions of dollars]

Division and State	Value of 22 crops							Value of 67 crops	
	1923	1924	1925	1926	1927	1928	1929	1928	1929
United States	7,922.5	8,478.3	7,967.3	7,042.1	7,676.1	7,611.3	7,678.0	8,572.9	8,664.7
New England	181.7	157.4	209.6	188.6	163.3	141.0	194.7	147.8	202.2
Maine	50.4	45.4	94.1	74.6	58.1	40.0	83.5	41.1	85.1
New Hampshire	16.2	14.3	17.0	15.4	14.7	12.6	14.1	13.2	14.8
Vermont	33.1	33.8	32.5	32.4	28.2	27.0	29.0	29.3	31.5
Massachusetts	38.6	29.9	33.3	30.8	30.2	29.6	32.9	31.7	34.9
Rhode Island	3.1	2.7	3.1	3.2	2.6	2.6	2.9	2.7	3.0
Connecticut	40.3	31.3	29.6	30.2	29.5	29.2	32.3	29.8	32.9
Middle Atlantic	504.9	497.4	553.9	480.5	449.1	396.0	439.5	457.4	500.0
New York	244.5	228.6	253.9	219.4	199.6	177.7	195.8	210.9	227.4
New Jersey	38.5	36.1	42.1	37.2	35.0	29.4	33.9	50.0	57.1
Pennsylvania	221.9	232.7	257.9	223.9	214.5	188.9	209.8	196.5	215.5
East North Central	1,355.0	1,471.8	1,416.1	1,274.1	1,214.5	1,291.7	1,291.6	1,366.2	1,385.8
Ohio	286.4	273.9	271.0	261.6	232.9	231.2	249.8	246.7	261.9
Indiana	232.5	240.7	224.3	202.5	192.2	200.2	204.2	213.7	218.4
Illinois	423.2	510.6	426.8	360.0	356.5	431.7	412.7	447.0	433.4
Michigan	196.8	210.5	221.1	206.0	185.8	192.2	183.9	208.6	198.4
Wisconsin	216.1	236.1	272.9	244.0	247.1	236.4	241.0	250.2	253.7
West North Central	1,852.7	2,480.6	2,073.1	1,777.0	2,144.2	2,106.3	2,052.3	2,144.6	2,098.9
Minnesota	266.7	373.6	331.1	290.1	287.8	280.2	313.8	284.8	319.2
Iowa	443.2	490.7	444.2	405.7	448.0	490.9	502.6	496.9	510.0
Missouri	285.7	293.9	278.6	246.0	238.3	254.6	235.1	269.1	252.7
North Dakota	148.1	329.6	259.1	176.9	256.6	235.9	181.3	237.0	183.0
South Dakota	180.0	228.4	174.2	113.2	225.3	157.9	183.1	160.2	185.6
Nebraska	270.4	340.3	300.7	241.7	359.9	315.4	334.6	323.5	343.7
Kansas	258.6	415.1	285.2	303.4	328.3	371.4	301.8	373.1	304.7
South Atlantic	1,109.7	939.7	942.8	886.4	983.5	897.5	934.7	1,071.6	1,102.6
Delaware	12.3	11.8	12.6	10.5	11.7	11.6	11.4	15.0	16.5
Maryland	56.6	56.3	60.1	55.8	57.5	51.5	53.2	59.9	65.7
Virginia	161.3	151.6	140.1	143.6	154.0	141.3	153.7	153.5	164.4
West Virginia	62.6	54.5	61.4	60.0	57.1	56.8	57.7	58.9	59.5
North Carolina	378.2	278.3	294.9	278.8	299.9	276.0	265.2	308.1	291.2
South Carolina	205.9	143.2	135.9	115.1	136.9	117.8	130.8	141.6	154.5
Georgia	188.9	206.1	185.6	169.4	208.3	196.4	209.8	225.1	244.0
Florida	43.9	37.9	52.2	53.2	58.1	56.1	52.9	109.5	106.8
East South Central	716.8	738.4	770.1	601.3	679.4	689.1	757.7	791.7	858.4
Kentucky	212.5	195.3	175.3	154.9	163.5	185.7	186.3	193.2	193.4
Tennessee	169.7	162.7	162.0	149.9	154.1	162.6	183.0	184.5	203.1
Alabama	177.0	182.2	188.5	140.3	182.6	161.3	171.9	193.2	200.0
Mississippi	157.6	178.2	244.3	156.2	189.2	179.5	216.5	220.8	261.9
West South Central	1,408.5	1,403.9	1,078.1	1,031.4	1,126.1	1,200.4	1,053.5	1,407.3	1,238.3
Arkansas	165.6	195.8	191.5	154.5	163.6	172.8	180.2	208.4	214.4
Louisiana	115.5	104.5	141.0	96.3	105.5	115.6	122.0	154.5	164.8
Oklahoma	239.3	351.8	251.2	263.8	243.8	266.5	226.8	259.2	248.6
Texas	886.1	751.8	494.4	516.8	612.2	645.5	524.5	755.7	610.5
Mountain	371.0	395.4	437.5	372.4	432.4	421.9	438.5	482.6	511.3
Montana	86.5	117.4	101.4	96.9	137.1	117.8	88.8	120.7	92.7
Idaho	71.7	73.0	103.7	82.6	95.3	85.6	96.8	91.2	103.7
Wyoming	26.7	23.7	27.6	26.6	27.7	28.2	33.4	31.6	37.9
Colorado	102.2	92.1	112.0	82.7	87.7	86.4	104.5	111.7	137.2
New Mexico	20.1	30.8	22.0	26.8	22.7	28.1	36.1	30.2	38.1
Arizona	29.1	28.1	27.6	22.3	28.1	36.3	36.8	47.3	50.7
Utah	25.7	22.3	33.0	25.8	26.0	29.4	30.4	39.7	39.1
Nevada	9.0	8.0	10.2	8.7	7.8	10.1	11.7	10.2	11.9
Pacific	424.4	393.9	486.0	432.2	483.9	467.4	515.4	703.2	787.1
Washington	123.8	107.1	147.6	120.9	144.5	122.0	136.8	134.5	150.6
Oregon	71.2	59.4	76.8	67.0	80.3	77.7	82.9	88.7	97.4
California	229.4	227.4	261.6	244.3	259.1	267.7	295.7	480.0	539.1

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p. 857. The approximate weights of units of measurements for other products are as follows: Number of pounds to a bushel—sweetpotatoes, 54; grain sorghums, 56; clover seed, 60. Number of pounds to a bushel of cranberries, 100; to a box of oranges, California, 70, Florida, 80. Figures for 1929 are preliminary.

Yearly average or year	Corn					Wheat				
	Area	Production	Value [1]	Yield per acre	Unit price [1]	Area	Production	Value [1]	Yield per acre	Unit price [1]
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	37,216	969,948	454,535	26.1	46.9	20,470	244,672	257,587	12.0	105.3
1876–1885	61,671	1,564,992	617,780	25.4	39.5	34,433	425,054	301,104	12.3	92.0
1886–1895	74,274	1,769,616	648,785	23.8	36.7	37,500	476,788	321,071	12.7	67.3
1896–1900	90,589	2,373,786	669,420	26.2	28.1	48,989	633,074	415,922	12.9	65.7
1901–1905	93,545	2,366,483	1,043,140	25.3	45.3	50,194	700,220	501,277	14.0	71.6
1906–1910	97,327	2,682,288	1,366,951	27.6	51.3	45,766	674,993	579,535	14.7	86.9
1911–1915	105,672	2,754,164	1,644,511	26.0	60.3	51,910	806,361	705,890	15.5	87.5
1916–1920	105,072	2,830,942	3,109,625	27.0	111.0	58,685	799,083	1,491,445	13.6	186.6
1921–1925	102,615	2,850,733	1,931,630	27.8	67.8	58,115	804,218	889,140	13.8	110.6
1912	107,083	3,124,746	1,520,454	29.2	48.7	45,814	730,267	555,280	15.9	76.0
1913	105,820	2,446,988	1,692,092	23.1	69.1	50,184	763,380	610,122	15.2	79.9
1914	103,435	2,672,804	1,722,070	25.8	64.4	53,541	891,017	878,680	16.6	98.6
1915	106,197	2,994,793	1,722,680	28.2	57.5	60,469	1,025,801	942,303	17.0	91.9
1916	105,296	2,566,927	2,280,729	24.4	88.9	52,316	636,318	1,019,968	12.2	160.3
1917	116,730	3,065,233	3,920,228	26.3	127.9	45,089	636,655	1,278,112	14.1	200.8
1918	104,467	2,502,665	3,416,240	24.0	136.5	59,181	921,438	1,881,826	15.6	204.2
1919	97,170	2,811,302	3,780,597	28.9	134.5	75,694	967,979	2,080,050	12.8	214.9
1920	101,699	3,208,584	2,150,332	31.5	67.0	61,143	833,027	1,197,263	13.6	143.7
1921	103,740	3,068,569	1,297,213	29.6	42.3	63,696	814,905	754,884	12.8	92.6
1922	102,846	2,906,020	1,910,775	28.3	65.8	62,317	867,598	873,412	13.9	100.7
1923	104,324	3,053,557	2,217,229	29.3	72.6	59,659	797,394	736,006	13.4	92.3
1924	100,863	2,309,414	2,266,771	22.9	98.2	52,535	864,428	1,123,086	16.5	129.9
1925	101,302	2,916,106	1,966,162	28.8	67.4	52,367	676,765	958,364	12.9	141.6
1926	99,615	2,691,531	1,728,970	27.0	64.2	56,359	831,381	996,308	14.8	119.8
1927	98,393	2,763,093	1,997,759	28.1	72.3	58,784	878,374	979,813	14.9	111.5
1928	100,673	2,818,901	2,119,040	28.0	75.2	58,272	914,876	887,184	15.7	97.0
1929	98,018	2,622,189	2,048,134	26.8	78.1	61,141	806,508	840,921	13.2	104.3

Yearly average or year	Oats					Rye				
	Area	Production	Value [1]	Yield per acre	Unit price [1]	Area	Production	Value [1]	Yield per acre	Unit price [1]
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	9,680	272,993	102,423	28.2	37.5	1,347	18,267	14,559	13.6	79.7
1876–1885	17,143	469,856	152,594	27.4	32.5	1,892	24,625	15,540	13.0	63.7
1886–1895	27,482	717,143	207,266	26.1	29.4	2,188	27,975	15,278	12.8	54.4
1896–1900	29,319	849,004	195,462	28.9	22.8	2,074	31,272	14,142	15.1	45.2
1901–1905	30,953	951,752	308,350	30.7	32.8	2,077	33,064	19,091	15.9	57.8
1906–1910	34,741	988,734	385,820	28.4	39.7	2,182	35,617	24,723	16.3	69.5
1911–1915	38,703	1,230,499	473,133	31.7	39.2	2,494	41,399	31,903	16.5	76.6
1916–1920	42,456	1,412,602	865,991	33.2	61.3	4,927	67,762	96,485	13.9	139.9
1921–1925	42,850	1,318,021	525,747	30.8	39.9	4,900	68,018	52,182	13.9	76.7
1912	37,917	1,418,337	452,469	37.4	31.9	2,117	35,604	23,636	16.8	66.3
1913	38,399	1,121,768	439,596	29.2	39.2	2,557	41,381	26,220	16.2	63.4
1914	38,442	1,141,060	490,431	29.7	43.8	2,541	42,779	37,018	16.8	86.5
1915	40,996	1,549,030	550,506	37.8	36.1	3,129	54,050	45,083	17.3	83.4
1916	41,527	1,251,837	655,928	30.1	52.4	3,213	48,862	59,676	15.2	122.1
1917	43,553	1,502,740	1,061,474	36.6	66.6	4,317	62,933	104,447	14.6	166.0
1918	44,349	1,538,124	1,090,322	34.7	70.9	6,391	91,041	138,038	14.2	151.6
1919	40,359	1,184,030	833,922	29.3	70.4	6,307	75,483	100,573	12.0	133.2
1920	42,491	1,496,281	688,311	35.2	46.0	4,409	60,490	76,693	13.7	126.8
1921	45,495	1,078,341	325,954	23.7	30.2	4,528	61,675	43,014	13.6	69.7
1922	40,790	1,215,803	478,948	29.8	39.4	6,672	103,362	70,841	15.5	68.5
1923	40,981	1,305,883	541,137	31.9	41.4	5,171	63,077	40,971	12.2	65.0
1924	42,110	1,502,529	717,189	35.7	47.7	4,156	65,520	69,742	15.8	106.4
1925	44,872	1,487,550	565,506	33.2	38.0	3,974	46,456	36,340	11.7	78.2
1926	44,177	1,246,848	496,582	28.2	39.8	3,574	40,749	33,991	11.4	83.4
1927	41,941	1,182,594	531,762	28.2	45.0	3,648	58,164	49,609	15.9	85.3
1928	41,734	1,439,407	589,048	34.5	40.9	3,480	43,366	37,290	12.5	86.0
1929	40,217	1,238,654	538,445	30.8	43.5	3,225	40,629	35,371	12.6	87.1

[1] Farm values as of Dec. 1.

No. 659.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Barley					Buckwheat				
	Area	Production	Value[1]	Yield per acre	Unit price[1]	Area	Production	Value[1]	Yield per acre	Unit price[1]
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	1,196	26,992	21,382	22.6	79.2	730	13,369	9,735	18.3	72.8
1876–1885	2,102	47,029	28,688	22.4	61.8	799	11,616	7,510	14.7	66.2
1886–1895	3,490	79,646	37,464	22.8	48.3	879	12,854	7,031	14.7	55.0
1896–1900	4,315	102,951	37,847	23.9	36.7	821	14,367	6,720	17.5	47.6
1901–1905	5,520	150,063	64,829	27.2	43.4	859	15,670	9,343	18.2	59.6
1906–1910	7,281	181,788	99,631	25.1	55.1	759	16,543	23,313	19.3	68.3
1911–1915	7,474	197,211	114,389	26.5	59.4	808	16,514	12,127	20.4	73.9
1916–1920	8,150	197,447	189,902	24.1	97.1	836	14,426	20,963	17.4	142.7
1921–1925	7,498	186,029	105,566	24.8	56.7	735	14,017	12,718	19.1	90.7
1912	7,530	223,824	112,957	29.7	50.5	841	19,249	12,720	22.9	66.1
1913	7,499	178,189	95,731	23.8	53.7	805	13,833	10,445	17.2	75.5
1914	7,565	194,953	105,903	25.8	54.3	792	16,881	12,892	21.3	76.4
1915	7,148	228,851	118,172	32.0	51.6	769	15,056	11,813	19.6	78.7
1916	7,757	182,309	160,646	23.5	88.1	828	11,662	13,147	14.1	112.7
1917	8,933	211,759	240,768	23.7	113.7	924	16,022	25,631	17.3	160.0
1918	9,740	256,225	234,942	26.3	91.7	1,027	16,905	28,142	16.5	166.5
1919	6,720	147,608	178,080	22.0	120.6	700	14,399	21,032	20.6	146.1
1920	7,600	189,332	135,083	24.9	71.3	701	13,142	16,863	18.7	128.3
1921	7,414	154,946	64,934	20.9	41.9	680	14,207	11,540	20.9	81.2
1922	7,317	182,068	95,560	24.9	52.5	764	14,564	12,889	19.1	88.5
1923	7,835	197,691	107,038	25.2	54.1	739	13,965	13,029	18.9	93.3
1924	6,925	181,575	134,590	26.2	74.1	745	13,357	13,708	17.9	102.6
1925	7,997	213,863	125,709	26.7	58.8	747	13,994	12,423	18.7	88.8
1926	7,970	184,905	106,237	23.2	57.5	694	12,676	11,183	18.3	88.2
1927	9,476	265,882	180,200	28.1	67.8	810	15,755	13,155	19.5	83.5
1928	12,598	357,487	197,459	28.4	55.2	749	13,148	11,511	17.6	87.5
1929	13,212	307,105	168,807	23.2	55.0	729	11,505	11,241	15.8	97.7

Yearly average or year	Rice (rough)					Flaxseed				
	Area	Production	Value[1]	Yield per acre	Unit price[1]	Area	Production	Value[1]	Yield per acre	Unit price[1]
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1906–1910	638	20,720	16,598	32.4	80.9	2,520	21,930	28,151	8.7	140.0
1911–1915	749	25,266	22,370	33.8	88.4	2,186	18,615	26,120	8.5	143.3
1916–1920	1,073	41,645	70,250	39.1	171.2	1,726	10,972	31,807	6.4	300.1
1921–1925	922	35,708	41,551	38.7	116.4	2,156	17,887	38,410	8.3	214.7
1912	723	25,054	23,423	34.7	93.5	2,851	28,073	32,202	9.8	114.7
1913	827	25,744	22,090	31.1	85.8	2,291	17,853	21,399	7.8	119.9
1914	694	23,649	21,849	34.1	92.4	1,645	13,749	17,318	8.4	126.0
1915	803	28,947	26,212	36.1	90.6	1,387	14,030	24,410	10.1	174.0
1916	889	40,861	36,311	47.0	88.9	1,474	14,296	35,511	9.7	248.6
1917	981	34,739	65,879	35.4	189.6	1,984	9,164	27,182	4.6	296.6
1918	1,119	38,606	74,042	34.5	191.8	1,910	13,369	45,470	7.0	340.1
1919	1,063	41,985	111,913	39.5	266.6	1,503	7,178	31,475	4.8	438.5
1920	1,336	52,066	62,036	39.0	119.1	1,757	10,752	18,999	6.1	176.7
1921	921	37,612	35,802	40.8	95.2	1,108	8,029	11,648	7.2	145.1
1922	1,055	41,405	38,562	39.2	93.1	1,113	10,375	21,941	9.3	211.5
1923	895	33,717	37,150	37.7	110.2	2,014	17,060	35,951	8.5	210.7
1924	850	32,498	45,009	38.2	138.5	3,469	31,547	71,723	9.1	227.4
1925	889	33,309	51,232	37.5	153.8	3,078	22,424	50,783	7.3	226.5
1926	1,034	41,730	45,722	40.4	109.6	2,907	19,335	37,510	6.7	194.0
1927	1,012	44,774	41,616	44.2	92.9	2,837	25,847	48,079	9.1	186.0
1928	977	43,240	38,277	44.3	88.5	2,675	19,928	40,098	7.4	201.2
1929	893	40,217	39,346	45.0	97.8	2,990	16,838	47,871	5.6	284.3

[1] Farm values as of Dec. 1.

No. 659.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Potatoes					Sweet potatoes				
	Area	Production	Value[1]	Yield per acre	Unit price[1]	Area	Production	Value[1]	Yield per acre	Unit price[1]
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	1,261	167,266	62,754	93.0	53.5	-------	-------	-------	-------	-------
1876–1885	1,998	162,228	82,085	81.2	50.6	-------	-------	-------	-------	-------
1886–1895	2,653	197,285	92,908	74.4	47.1	-------	-------	-------	-------	-------
1896–1900	2,911	237,916	96,250	81.6	41.3	-------	-------	-------	-------	-------
1901–1905	3,104	277,150	155,388	89.1	58.0	545	47,730	27,943	87.5	58.5
1906–1910	3,502	340,045	196,904	97.1	58.3	600	54,563	36,457	90.9	66.8
1911–1915	3,639	362,910	219,137	98.3	61.9	629	60,257	42,525	95.4	71.2
1916–1920	3,889	373,417	486,053	95.7	132.4	913	88,750	104,054	96.9	115.7
1921–1925	3,690	394,327	369,765	106.9	93.8	929	84,291	84,152	90.8	99.8
1913	3,068	331,525	227,903	90.4	68.7	625	59,057	42,884	94.5	72.6
1914	3,711	409,021	199,460	110.5	48.7	603	56,574	41,294	93.8	73.0
1915	3,734	359,721	221,992	96.3	61.7	731	75,639	46,980	103.5	62.1
1916	3,565	286,953	419,333	80.5	146.1	774	70,955	60,141	91.7	84.8
1917	4,384	442,108	542,774	100.8	122.8	919	83,822	92,916	91.2	110.8
1918	4,295	411,860	491,527	95.9	119.3	940	87,924	118,863	93.5	135.2
1919	3,542	322,867	514,855	91.2	159.5	941	97,126	130,514	103.2	134.4
1920	3,557	403,296	461,778	110.3	114.5	992	103,925	117,834	104.8	113.4
1921	3,941	361,659	398,362	91.8	110.1	1,066	98,654	86,894	92.5	88.1
1922	4,307	453,396	263,355	105.3	58.1	1,117	109,394	84,295	97.9	77.1
1923	3,816	416,105	324,889	109.0	78.1	993	97,177	95,091	97.9	97.9
1924	3,310	419,560	262,097	126.8	62.5	688	53,912	69,444	78.4	128.8
1925	3,074	320,915	600,120	104.4	187.0	779	62,319	85,034	80.0	136.4
1926	3,120	354,458	501,186	113.6	141.4	819	82,703	78,956	101.0	95.5
1927	3,476	402,741	388,741	115.9	96.5	933	94,112	77,615	100.9	82.5
1928	3,837	405,350	249,450	121.3	53.6	810	77,661	71,096	95.9	91.5
1929	3,370	357,451	469,701	106.1	131.4	822	84,661	80,15	103.0	94.5

Yearly average or year	Cotton					Cottonseed (census statistics)[2]			
	1,000 acres	*1,000 bales*[3]	*1,000 dollars*	*Lbs.*	*Cents per pound*	*1,000 short tons*	*1,000 dollars*		*Dolls. per ton*[4]
1866–1875	8,810	3,250	-------	176.2	-------	-------	-------	-------	-------
1876–1885	15,209	5,652	243,808	170.7	9.1	-------	2,607	-------	-------
1886–1895	19,421	7,637	260,415	176.9	7.7	-------	3,645	-------	-------
1896–1900	24,304	10,018	337,592	193.3	7.1	-------	4,859	-------	-------
1901–1905	27,865	10,801	485,560	184.8	9.0	-------	5,185	82,556	-------	[5]15.68
1906–1910	31,364	11,847	660,788	180.3	11.3	-------	5,281	103,728	-------	20.10
1911–1915	35,132	14,176	709,629	192.0	10.2	-------	6,317	135,066	-------	22.04
1916–1920	34,856	11,931	1,464,088	163.2	24.9	-------	5,312	283,914	-------	54.40
1921–1925	37,616	11,518	1,276,329	146.4	22.2	-------	5,114	174,318	-------	34.34
1913	37,089	14,156	862,708	182.0	12.2	-------	6,305	141,350	-------	22.40
1914	36,832	16,135	549,036	209.2	6.8	-------	7,186	128,950	-------	17.90
1915	31,412	11,192	631,460	170.3	11.3	-------	4,992	167,900	-------	33.60
1916	34,985	11,450	1,122,295	156.6	19.6	-------	5,113	259,070	-------	50.50
1917	33,841	11,302	1,566,198	159.7	27.7	-------	5,040	333,550	-------	66.08
1918	36,008	12,041	1,663,633	159.6	27.6	-------	5,360	349,490	-------	65.32
1919	33,566	11,421	2,034,658	161.5	35.6	-------	5,074	340,470	-------	67.18
1920	35,878	13,440	933,658	178.4	13.9	-------	5,971	136,990	-------	22.92
1921	30,509	7,954	643,933	124.5	16.2	-------	3,531	104,560	-------	29.72
1922	33,036	9,762	1,160,968	141.2	23.8	-------	4,336	150,400	-------	34.70
1923	37,123	10,140	1,571,829	130.6	31.0	-------	4,502	190,050	-------	42.22
1924	41,360	13,628	1,540,884	157.4	22.6	-------	6,051	206,220	-------	34.16
1925	46,053	16,104	1,464,032	167.2	18.2	-------	7,160	220,360	-------	30.88
1926	47,087	17,977	982,736	182.6	10.9	-------	7,989	172,120	-------	21.63
1927	40,138	12,956	1,269,885	154.5	19.6	-------	5,758	206,960	-------	35.93
1928	45,341	14,478	1,301,796	152.9	18.0	-------	6,435	226,880	-------	35.39
1929	45,793	14,828	1,217,829	155.0	16.4	-------	6,590	-------	-------	-------

[1] Farm value as of Dec. 1. [2] Value based on yearly average price; statistics for 1929 are not available.
[3] Production, excluding linters, in bales of 500 pounds gross (Census). [4] Yearly average farm price.
[5] Four-year average.

No. 659.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Value[1]	Yield per acre	Unit price[1]	Area	Production	Value[1]	Yield per acre	Unit price[1]
	Beans, dry, edible					Peanuts (for nuts)				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Dollars per bushel*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1916–1920	1,314	13,317	66,903	10.4	4.82	1,413	1,043,292	67,475	845.6	6.5
1921–1925	1,279	14,692	50,910	11.5	3.47	1,052	710,743	33,255	676.6	4.7
1917	1,821	16,045	104,350	8.8	6.50	1,842	1,432,581	98,512	777.7	6.9
1918	1,744	17,397	91,863	10.0	5.28	1,865	1,240,102	80,271	664.9	6.5
1919	1,065	13,399	57,046	12.6	4.26	1,132	783,273	73,094	691.9	9.3
1920	852	9,225	27,282	10.8	2.96	1,181	841,474	44,256	712.5	5.3
1921	782	9,185	24,515	11.7	2.67	1,214	829,307	33,097	683.1	4.0
1922	1,086	12,877	48,133	11.9	3.74	1,005	633,114	29,613	630.0	4.7
1923	1,344	16,308	59,782	12.1	3.67	896	647,762	43,918	722.9	6.8
1924	1,576	15,164	56,744	9.6	3.74	1,187	745,059	34,259	627.7	4.6
1925	1,606	19,928	65,376	12.4	3.28	958	698,475	25,390	729.1	3.6
1926	1,677	17,707	51,876	10.6	2.93	843	631,825	28,161	749.5	4.5
1927	1,569	16,171	46,575	10.3	2.88	1,142	864,549	35,016	757.0	4.0
1928	1,641	17,647	73,782	10.8	4.18	1,211	855,096	38,434	706.1	4.5
1929	1,877	19,329	72,869	10.3	3.77	1,328	930,700	34,260	700.8	3.7
	Grain sorghums (kafirs, milo maize, feterita, etc.)[6]					Broomcorn				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Lbs.*	*Dolls. per ton*
1916–1920	[7] 6,618	[7] 166,298	[7] 182,977	[7] 25.1	[7] 110.0	315	50	10,185	314.2	196.02
1921–1925	6,311	117,073	86,873	18.6	74.2	337	53	7,121	313.7	134.87
1917	5,153	61,409	99,433	11.9	161.9	345	57	16,804	332.8	292.75
1918	6,036	73,241	109,881	12.1	150.0	366	62	14,570	340.4	233.87
1919	6,441	157,805	202,094	24.5	128.1	352	53	8,254	303.4	154.57
1920	6,794	174,790	163,860	25.7	93.7	276	36	4,605	265.0	126.16
1921	6,385	147,609	57,576	23.1	39.0	222	38	2,758	344.2	72.20
1922	5,778	98,158	86,517	17.0	88.1	275	37	8,186	271.3	219.46
1923	6,661	116,109	110,258	17.4	95.0	536	81	12,989	302.8	160.06
1924	6,089	117,057	99,765	19.2	85.2	436	78	7,454	356.9	95.81
1925	6,640	106,434	80,251	16.0	75.4	214	30	4,219	275.7	143.02
1926	6,690	137,515	74,065	20.6	53.9	306	54	4,285	355.6	78.77
1927	6,723	137,358	84,614	20.4	61.6	237	40	4,380	337.6	109.50
1928	6,497	142,513	88,420	21.9	62.0	208	54	5,638	363.1	104.2
1929	5,921	100,845	71,617	17.0	71.0	284	44	5,339	308.5	121.9
	Clover seed (red and alsike)[8]					Hops				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Dollars per bushel*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1916–1920	942	1,585	24,584	1.7	15.99	30	32,143	10,326	1,076	35.6
1921–1925	893	1,251	14,832	1.4	12.31	22	26,616	4,456	1,232	16.7
1917	821	1,488	19,107	1.8	12.84	30	29,388	9,795	983	33.3
1918	797	1,163	23,705	1.5	19.80	26	21,481	4,150	829	19.3
1919	1,006	1,545	40,976	1.5	26.52	21	24,970	19,376	1,189	77.6
1920	1,149	2,023	23,471	1.8	11.60	28	34,280	12,236	1,224	35.7
1921	900	1,422	14,296	1.6	10.05	27	29,340	7,080	1,087	24.1
1922	1,194	1,815	18,205	1.5	10.03	23	27,744	2,383	1,186	8.6
1923	753	1,028	12,387	1.4	12.05	18	19,751	3,722	1,071	18.8
1924	809	927	13,455	1.2	14.51	20	27,670	2,863	1,360	10.3
1925	807	1,062	15,819	1.3	14.90	20	28,573	6,232	1,404	21.8
1926	530	728	12,805	1.4	17.71	21	31,522	7,296	1,516	23.1
1927	1,214	1,727	26,299	1.4	15.22	25	30,658	7,024	1,246	22.9
1928	617	961	15,590	1.6	16.22	26	32,944	6,365	1,257	19.3
1929	1,369	2,157	21,922	1.6	10.16	25	33,220	3,788	1,334	11.4

[1] Farm values as of Dec. 1.
[6] Grain sorghums for grain, 1917 and 1918; for all purposes thereafter.
[7] Average for 1919 and 1920.
[8] Includes sweet clover prior to 1924.

No. 659.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Hay (tame)					Tobacco [9]				
	Area	Production	Value [1]	Yield per acre	Unit price [1]	Area	Production	Value [1]	Yield per acre	Unit price [1]
	1,000 acres	*1,000 tons*	*1,000 dollars*	*Short tons*	*Dollars per ton*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1866-1875	20,418	24,929	286,821	1.22	11.51					
1876-1885	31,124	38,723	352,577	1.24	9.11					
1886-1895	40,127	47,401	420,673	1.18	8.87					
1896-1900	42,126	58,142	453,405	1.38	7.86					
1901-1905	43,813	66,287	606,797	1.51	9.19	938	750,049	55,653	800	7.5
1906-1910	50,048	72,161	777,730	1.44	10.81	1,031	851,433	84,458	826	10.0
1911-1915	49,395	69,543	826,282	1.41	12.05	1,210	983,723	101,389	813	10.4
1916-1920	56,334	85,075	1,456,902	1.51	17.26	1,698	1,377,866	355,786	812	25.4
1921-1925	59,743	90,022	1,197,891	1.51	13.31	1,692	1,291,922	262,597	763	20.3
1916	55,721	91,192	1,022,930	1.64	11.22	1,413	1,153,278	169,672	816	14.7
1917	55,203	83,308	1,423,766	1.51	17.09	1,518	1,249,276	301,449	823	24.0
1918	55,755	76,660	1,543,494	1.37	20.13	1,647	1,439,071	402,264	874	28.0
1919	56,888	86,997	1,744,547	1.53	20.05	1,951	1,465,481	570,868	751	39.0
1920	58,101	89,785	1,585,355	1.55	17.66	1,960	1,582,225	335,675	807	21.2
1921	58,769	82,458	998,069	1.40	12.10	1,427	1,069,693	212,728	750	19.9
1922	61,159	95,748	1,202,063	1.57	12.55	1,695	1,246,837	280,248	736	23.2
1923	59,868	89,250	1,261,486	1.49	14.13	1,877	1,515,110	301,096	807	19.9
1924	60,907	97,224	1,337,733	1.60	13.76	1,706	1,251,343	259,139	734	20.7
1925	58,013	85,431	1,190,103	1.47	13.93	1,757	1,376,628	250,774	783	18.2
1926	58,556	86,144	1,214,372	1.47	14.10	1,656	1,297,889	236,702	784	18.2
1927	60,885	106,001	1,202,953	1.74	11.35	1,585	1,211,909	256,882	765	21.2
1928	58,140	93,351	1,145,060	1.61	12.27	1,894	1,374,547	277,506	726	20.2
1929	60,996	101,715	1,244,256	1.67	12.23	2,016	1,500,891	285,583	744	[10] 10.0

Yearly average or year	Cranberries					Oranges [11]				
	1,000 acres	*1,000 barrels* [11]	*1,000 dollars*	*Barrels*	*Dollars per barrel*		*1,000 boxes*	*1,000 dollars*		*Dollars per box*
1916-1920	24	414	3,980	17.1	9.80		22,177	59,445		2.68
1921-1925	27	549	5,749	20.5	10.46		30,057	70,604		2.35
1917	18	249	2,550	13.7	10.24		10,593	27,556		2.60
1918	25	352	3,791	13.9	10.77		24,200	84,480		3.49
1919	25	549	4,597	22.0	8.37		22,265	59,479		2.67
1920	25	449	5,514	18.0	12.28		29,396	64,245		2.19
1921	25	384	6,526	15.4	16.99		19,940	49,992		2.51
1922	25	560	5,702	22.4	10.18		30,306	63,672		2.10
1923	28	652	4,664	23.3	7.15		37,037	65,689		1.77
1924	28	582	5,485	20.8	9.42		29,700	79,915		2.69
1925	28	569	6,370	20.3	11.20		33,300	93,753		2.82
1926	28	744	5,623	26.1	7.56		38,867	114,293		2.94
1927	28	496	6,089	17.4	12.28		31,200	124,800		4.00
1928	29	551	7,997	19.3	14.51		53,705	108,445		2.02
1929	29	542	7,088	19.0	13.09		33,100	120,525		3.64

Yearly average or year	Onions (commercial crop)					Cabbage (commercial crop)				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel* [12]	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Short tons*	*Dollars per ton* [13]
1920	65	21,343	17,386	329	81	124	1,105	19,784	8.9	17.90
1921	57	14,165	18,587	248	131	105	687	16,903	6.6	24.60
1922	63	18,763	15,876	296	85	134	1,089	13,288	8.1	12.20
1923	62	17,306	23,343	279	135	105	806	17,883	7.7	22.19
1924	65	19,190	16,419	295	86	119	1,068	17,688	9.0	16.55
1925	65	19,962	21,290	301	108	120	947	16,787	7.9	17.72
1926	74	21,119	15,895	285	75	129	1,036	18,489	8.0	17.84
1927	76	23,596	18,751	308	80	144	1,221	19,211	8.4	15.86
1928	80	20,454	24,099	256	118	137	984	23,103	7.1	23.53
1929	87	25,867	19,039	299	74	157	1,069	21,254	6.8	19.87

[1] Farm values as of Dec. 1.
[9] Beginning 1919 the unit price shown is the season average price and farm value is based thereon.
[10] Estimated season average price based on sales to Dec. 1.
[11] Figures cover California (crop beginning Nov. 1 of year specified in stub) and Florida (crop year beginning Sept. 1), data including tangerines. Florida figures for 1919, 1920, and 1921 represent commercial shipments.
[12] Price for season.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 660.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Cotton production excludes linters. Figures for production of cotton and cottonseed in some cases differ slightly from Census figures on ginnings due to ginnings in one State of cotton grown in another. Blank spaces indicate data not available. Tons are of 2,000 pounds

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
Alabama:									
1909–1913	3,708	1,354	81,844	174	12.4	601	13,870	23.73	95,714
1914–1918	3,024	925	69,585	142	18.5	411	16,824	49.34	86,409
1919–1923	2,747	673	82,466	118	24.3	299	12,851	42.98	95,317
1924–1928	3,382	1,228	106,836	173	17.9	545	17,128	31.43	123,964
1924	3,055	985	111,762	154	22.7	438	15,825	36.13	127,587
1925	3,504	1,357	128,210	185	18.9	602	19,077	31.69	147,287
1926	3,651	1,498	80,143	196	10.7	665	12,635	22.62	92,778
1927	3,166	1,191	113,145	180	19.0	529	19,409	36.69	132,554
1928	3,534	1,109	100,919	150	18.2	492	18,696	37.10	119,615
1929 (prel.)	3,690	1,342	108,031	174	16.1	596	17,284	30.27	125,315
Arizona:									
1919–1923	131	67	11,408	250	34.4	30			
1924–1928	170	118	12,843	331	22.1	52	1,436	27.62	14,280
1924	180	108	14,204	285	26.4	48	1,543	32.15	15,747
1925	162	119	12,748	350	21.5	53	1,465	27.64	14,213
1926	167	122	8,113	349	13.3	54	972	19.15	9,085
1927	139	91	11,648	315	25.6	41	1,220	29.76	12,868
1928	200	149	17,502	357	23.5	66	1,980	29.92	19,482
1929 (prel.)	226	153	17,212	324	22.5	68	1,768	25.49	18,980
Arkansas:									
1909–1913	2,262	868	52,361	183	12.2	386	8,206	21.69	60,567
1914–1918	2,596	985	93,307	183	18.8	438	20,408	46.29	113,715
1919–1923	2,782	906	105,035	156	24.3	402	14,813	36.85	119,848
1924–1928	3,470	1,298	110,608	178	17.7	576	16,626	28.86	127,234
1924	3,094	1,094	124,743	169	22.8	486	16,626	34.21	141,369
1925	3,738	1,600	128,770	205	16.1	711	17,796	25.03	146,566
1926	3,790	1,548	85,140	195	11.0	687	12,022	19.73	97,162
1927	3,048	1,000	101,000	157	20.2	444	15,913	35.84	116,913
1928	3,681	1,246	113,386	162	18.2	554	20,775	38.15	134,161
1929 (prel.)	3,858	1,435	119,822	178	16.7	638	18,502	30.20	138,324
California:									
1910–1913	10	12	691	419	11.6				
1914–1918	89	49	5,181	358	19.2	28	1,525		
1919–1923	207	49	7,722	253	29.6	22			
1924–1928	161	119	11,638	346	20.1	53	1,565	29.53	13,203
1924	130	77	9,299	284	24.0	35	1,139	32.54	10,438
1925	169	122	13,397	340	22.0	54	1,827	33.84	15,224
1926	162	131	9,170	387	14.0	58	1,160	23.20	10,330
1927	128	91	9,555	340	21.0	40	1,304	32.60	10,859
1928	218	172	16,770	378	19.5	76	2,394	30.86	19,164
1929 (prel.)	309	200	23,400	402	18.0	115	3,105	26.52	26,505
Florida:									
1909–1913	243	62	5,107	123	17.0	34	734	22.09	5,841
1914–1918	191	48	6,161	117	30.3	28	1,112	45.39	7,273
1919–1923	107	16	2,104	76	25.8	8	316	39.50	2,420
1924–1928	89	26	2,198	136	17.7	12	351	29.25	2,549
1924	80	22	2,443	130	22.5	10	357	35.67	2,800
1925	101	38	3,589	180	18.8	17	537	31.60	4,126
1926	105	32	1,632	145	10.2	14	266	24.12	1,898
1927	64	16	1,624	126	19.1	8	269	33.65	1,893
1928	95	19	1,700	97	17.9	9	324	32.67	2,024
1929 (prel.)	94	29	2,422	145	16.7	13	390	28.57	2,812
Georgia:									
1909–1913	5,141	2,087	127,034	193	12.5	938	21,478	23.49	148,512
1914–1918	5,214	2,091	180,373	191	18.9	939	45,024	49.96	234,397
1919–1923	4,226	1,033	130,040	112	24.7	458	21,590	47.14	151,630
1924–1928	3,548	1,158	101,249	156	18.0	514	16,693	32.48	117,942
1924	3,046	1,002	112,217	157	22.4	445	16,518	37.12	128,735
1925	3,589	1,164	110,569	155	19.0	516	17,590	34.09	128,159
1926	3,965	1,496	83,028	180	11.1	664	13,944	24.37	96,972
1927	3,413	1,100	106,700	154	19.4	488	18,505	37.92	125,205
1928	3,728	1,030	93,730	132	18.2	457	16,909	37.05	110,639
1929 (prel.)	3,753	1,343	106,097	171	15.8	596	16,688	27.73	122,785

No. 660.—Cotton and Cottonseed: Area, Production, and Farm Value, by States—Continued

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
Louisiana:									
1909–1913	1,031	341	19,950	157	12.0	151	3,210	22.16	23,160
1914–1918	1,335	246	48,602	175	18.3	219	10,604	45.50	59,206
1919–1923	1,342	335	39,492	120	23.7	149	5,588	37.50	45,079
1924–1928	1,800	694	59,524	183	17.7	308	8,701	28.25	68,225
1924	1,616	493	55,177	145	22.4	219	6,844	31.25	62,021
1925	1,874	910	82,397	232	18.1	404	11,874	29.39	94,271
1926	1,979	829	45,595	200	11.0	368	6,624	20.22	52,219
1927	1,542	548	52,608	170	19.2	243	8,187	33.69	60,795
1928	1,990	691	61,844	166	17.0	307	9,978	32.47	71,822
1929 (prel.)	2,114	809	67,147	183	16.6	359	11,129	30.20	78,276
Mississippi:									
1909–1913	3,181	1,181	74,131	178	12.5	525	12,290	23.45	86,421
1914–1918	2,965	1,029	95,974	166	19.0	457	21,192	47.39	117,166
1919–1923	2,922	852	106,693	140	25.2	378	15,118	39.99	121,811
1924–1928	3,514	1,562	141,819	212	18.8	693	22,006	31.75	163,825
1924	2,981	1,099	130,188	176	23.7	487	17,688	36.32	147,876
1925	3,466	1,991	194,077	275	19.5	884	26,821	30.34	220,898
1926	3,752	1,888	109,504	241	11.6	838	17,598	24.56	127,102
1927	3,340	1,355	138,888	194	20.5	602	22,376	37.17	161,264
1928	4,029	1,475	136,438	175	18.5	655	25,545	37.95	161,983
1929 (prel.)	4,166	1,915	164,690	220	17.2	851	27,658	32.41	192,348
Missouri:									
1909–1913	105	65	3,638	292	11.6	29	678	23.88	3,977
1914–1918	135	63	5,602	225	18.2	28	1,280	46.46	6,882
1919–1923	183	98	11,613	278	23.3	43	1,845	42.91	13,458
1924–1928	414	194	15,211	220	16.7	86	2,647	30.78	17,858
1924	493	193	22,179	185	23.0	86	3,440	40.00	25,619
1925	520	299	17,956	275	12.0	133	4,043	30.40	21,999
1926	434	218	10,900	240	10.0	97	1,930	19.78	12,830
1927	291	115	11,788	188	20.5	51	1,846	36.20	13,634
1928	334	147	13,230	210	18.0	65	2,275	31.00	15,505
1929 (prel.)	341	220	18,370	308	16.7	98	3,038	31.59	21,408
New Mexico:									
1924–1928	108	71	6,781	315	19.3	32	898	28.06	7,679
1924	101	57	7,137	266	25.0	25	798	31.92	7,935
1925	107	66	6,644	298	20.0	30	916	30.52	7,560
1926	120	75	4,612	299	12.3	33	594	20.50	5,206
1927	95	70	6,930	352	19.8	31	936	30.18	7,866
1928	117	88	8,580	360	19.5	39	1,248	32.19	9,828
1929 (prel.)	130	90	7,965	333	17.7	40	1,120	26.59	9,085
North Carolina:									
1909–1913	1,516	808	48,319	252	12.3	358	8,850	25.57	57,169
1914–1918	1,475	760	67,774	245	18.3	337	16,278	49.59	84,052
1919–1923	1,557	881	107,678	269	24.3	390	17,060	43.74	124,738
1924–1928	1,919	967	85,792	240	18.2	429	14,364	33.48	100,156
1924	2,005	825	93,262	196	22.6	366	13,670	37.35	106,932
1925	2,017	1,102	104,671	261	19.0	488	16,885	34.60	121,556
1926	1,985	1,213	69,748	292	11.5	539	11,858	24.56	81,606
1927	1,728	861	83,948	238	19.5	382	14,569	38.14	98,518
1928	1,860	836	77,330	215	18.5	371	14,840	38.78	92,170
1929 (prel.)	1,878	747	62,374	190	16.7	331	9,599	29.03	71,973
Oklahoma:									
1909–1913	2,539	870	48,658	164	11.4	387	7,560	20.23	56,218
1914–1918	2,617	852	71,205	157	17.8	379	15,622	44.19	86,827
1919–1923	2,698	823	91,046	146	22.7	366	12,667	34.61	103,713
1924–1928	4,319	1,443	120,738	159	17.2	641	18,020	28.11	138,758
1924	3,861	1,511	167,673	187	22.2	671	21,499	32.04	189,172
1925	5,214	1,601	143,735	155	17.0	751	21,456	28.57	165,191
1926	4,676	1,773	85,990	181	9.7	787	12,120	16.63	98,110
1927	3,601	1,037	102,663	138	19.8	461	16,803	36.45	119,466
1928	4,243	1,205	103,630	136	17.2	536	18,224	33.74	121,854
1929 (prel.)	4,276	1,143	89,726	128	15.7	508	15,748	30.94	105,474

No. 660.—Cotton and Cottonseed: Area, Production, and Farm Value, by States—Continued

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
South Carolina:									
1909–1913	2,662	1,295	78,696	230	12.4	576	13,622	24.18	92,318
1914–1918	2,799	1,281	120,117	218	18.8	570	28,220	49.96	148,337
1919–1923	2,449	1,013	123,132	190	24.5	449	20,260	45.12	143,391
1924–1928	2,485	832	73,993	159	18.1	369	12,281	33.28	86,274
1924	2,404	807	89,129	160	22.1	357	13,155	36.85	102,284
1925	2,654	889	83,535	160	18.8	394	13,384	33.97	96,919
1926	2,648	1,008	58,968	182	11.7	448	9,408	25.00	68,376
1927	2,356	730	71,540	148	19.6	324	12,898	39.81	84,438
1928	2,361	726	66,792	147	18.4	322	12,558	38.86	79,350
1929 (prel.)	2,216	830	68,060	179	16.4	368	10,304	27.91	78,364
Tennessee:									
1909–1913	797	337	20,241	200	12.3	150	3,480	23.71	23,721
1914–1918	872	328	28,710	180	18.2	148	6,632	47.07	35,342
1919–1923	878	311	36,255	178	23.8	138	5,694	41.26	41,949
1924–1928	1,077	421	35,603	186	17.3	187	5,809	31.06	41,412
1924	996	354	41,103	170	23.2	157	5,831	37.14	46,934
1925	1,173	515	41,737	210	16.2	229	6,396	27.93	48,133
1926	1,143	451	22,550	188	10.0	200	3,800	20.76	26,350
1927	965	359	34,105	178	19.0	159	5,797	36.46	39,902
1928	1,107	428	38,520	185	18.0	190	7,220	37.51	45,740
1929 (prel.)	1,136	515	42,488	217	16.5	229	6,641	30.02	49,129
Texas:									
1909–1913	10,920	3,731	215,097	162	11.8	1,659	32,868	20.59	247,965
1914–1918	11,233	3,473	298,820	148	18.4	1,545	62,646	43.38	361,466
1919–1923	11,829	3,441	408,874	138	23.6	1,530	54,243	35.45	463,117
1924–1928	17,415	4,840	422,016	133	17.7	2,151	63,809	29.66	485,825
1924	17,175	4,949	554,311	138	22.4	2,197	70,370	32.03	624,681
1925	17,608	4,163	385,112	113	18.5	1,849	59,113	31.97	444,225
1926	18,374	5,628	303,912	147	10.8	2,499	43,732	20.56	347,644
1927	16,176	4,352	419,968	129	19.3	1,938	66,241	34.18	486,209
1928	17,743	5,106	446,775	138	17.5	2,274	79,590	33.40	526,365
1929 (prel.)	17,500	3,940	315,200	103	16.0	1,755	56,160	31.82	371,360
Virginia:									
1909–1913	39	20	1,207	244	12.2	9	216	24.00	1,423
1914–1918	43	22	2,072	250	18.5	10	486	48.60	2,558
1919–1923	49	28	3,605	254	24.3	12	546	45.50	4,151
1924–1928	88	44	3,802	238	18.3	19	689	36.26	4,581
1924	102	39	4,456	180	23.0	17	683	40.20	5,139
1925	100	53	4,991	250	19.0	23	831	36.14	5,822
1926	93	51	2,907	264	11.4	23	598	28.72	3,505
1927	64	31	3,100	230	20.0	14	553	39.50	3,653
1928	79	44	4,004	265	18.2	19	779	41.00	4,783
1929 (prel.)	88	48	4,080	258	17.0	21	630	30.15	4,710
Other States:									
1924–1928	37	14	1,127	176	17.0	6	191	----------	1,318
1924	41	14	1,601	164	23.0	6	204	----------	1,805
1925	57	26	1,894	214	14.9	11	370	----------	2,264
1926	43	17	824	188	9.7	8	160	----------	984
1927	22	7	675	160	19.3	4	110	----------	785
1928	22	7	640	152	18.3	3	112	----------	752
1929 (prel.)	19	9	745	227	16.6	4	117	----------	862

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 661.—CORN: Area, Production,

Note.—Weight of a

Division and State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 104,228	*Thousands* 99,615	*Thousands* 98,393	*Thousands* 100,673	*Thousands* 98,018	*Bushels* 26.0	*Bushels* 27.0	*Bushels* 28.1	*Bushels* 28.0	*Bushels* 26.8
New England	198	220	224	217	222	42.5	42.4	39.1	42.4	41.1
Maine	16	13	14	13	13	41.2	35.0	37.0	40.0	40.0
New Hampshire	22	15	15	14	14	41.8	43.0	41.0	40.0	41.0
Vermont	45	84	84	80	88	39.6	43.0	39.0	44.0	41.0
Massachusetts	46	45	46	45	42	42.6	44.0	41.0	42.0	39.0
Rhode Island	11	9	10	10	10	39.8	41.0	38.0	39.0	42.0
Connecticut	58	54	55	55	55	46.2	42.0	38.0	42.0	43.0
Middle Atlantic	2,223	2,252	2,112	2,114	2,168	38.6	39.6	37.8	37.4	34.2
New York	521	670	663	650	676	36.0	35.0	34.0	34.0	31.1
New Jersey	270	188	179	181	183	36.6	46.0	40.0	38.5	36.0
Pennsylvania	1,432	1,394	1,270	1,283	1,309	39.8	41.0	39.5	39.0	35.5
East North Central	22,363	21,180	19,568	21,281	19,922	36.4	36.6	30.8	37.6	34.4
Ohio	3,950	3,591	3,376	3,646	3,518	39.0	41.0	32.5	37.5	36.5
Indiana	4,880	4,672	4,205	4,483	4,124	38.3	38.0	31.5	35.2	32.0
Illinois	10,311	9,205	8,469	9,570	8,900	35.0	35.0	30.0	38.4	35.0
Michigan	1,650	1,593	1,418	1,461	1,344	33.7	34.0	27.5	33.5	24.5
Wisconsin	1,572	2,119	2,100	2,121	2,036	35.6	34.5	32.5	42.0	40.0
West North Central	37,485	42,180	41,185	42,588	41,801	26.3	25.2	31.8	30.4	28.4
Minnesota	2,182	4,343	4,172	4,089	4,253	35.1	34.0	30.5	34.0	35.0
Iowa	9,709	11,170	10,901	11,202	10,944	35.2	39.0	35.5	41.5	40.0
Missouri	7,402	6,471	5,796	6,260	5,384	27.0	27.2	29.0	29.0	23.5
North Dakota	278	1,009	959	997	1,057	25.1	18.0	25.0	24.5	15.5
South Dakota	2,317	4,630	4,655	4,469	4,916	27.0	18.0	29.0	21.0	22.8
Nebraska	7,467	8,994	8,805	8,937	9,144	22.1	15.5	33.1	23.8	26.0
Kansas	8,130	5,563	5,897	6,634	6,103	15.9	11.0	30.0	27.0	17.5
South Atlantic	12,385	11,041	11,032	10,705	10,582	19.7	20.5	21.0	17.8	20.1
Delaware	194	138	135	136	132	32.5	31.0	35.0	33.0	32.0
Maryland	663	554	515	530	525	34.2	39.8	44.0	36.5	36.5
Virginia	1,952	1,694	1,626	1,626	1,522	24.5	27.5	29.5	27.5	29.0
West Virginia	708	485	441	459	441	29.6	33.0	33.5	36.0	31.5
North Carolina	2,690	2,376	2,352	2,305	2,259	18.3	22.0	22.8	18.5	21.5
South Carolina	1,791	1,426	1,497	1,422	1,422	18.2	15.5	17.0	12.0	16.4
Georgia	3,727	3,817	3,893	3,620	3,656	14.7	14.5	14.0	10.5	13.8
Florida	640	551	573	607	625	13.6	14.0	13.0	13.0	13.5
East South Central	12,812	10,911	10,547	10,359	10,323	22.1	24.7	21.3	17.1	22.0
Kentucky	3,557	3,069	2,885	3,029	2,938	27.0	33.0	26.0	22.0	27.5
Tennessee	3,326	3,099	2,944	2,915	2,944	24.3	27.5	24.0	19.5	25.0
Alabama	2,955	2,825	2,800	2,650	2,676	16.8	16.2	16.0	11.5	14.0
Mississippi	2,774	1,918	1,918	1,765	1,765	18.5	19.2	17.8	14.0	20.0
West South Central	16,347	9,350	11,452	11,016	10,615	17.3	24.5	22.7	23.8	17.2
Arkansas	2,401	2,026	1,925	2,002	1,882	20.4	20.5	19.0	17.0	14.0
Louisiana	1,776	1,127	1,161	1,242	1,180	21.0	17.5	17.5	17.0	18.2
Oklahoma	5,504	2,353	3,177	3,050	3,020	13.8	26.0	26.5	23.0	16.0
Texas	6,666	3,844	5,189	4,722	4,533	18.0	27.8	23.0	21.0	19.0
Mountain	535	2,280	2,072	2,190	2,169	20.8	11.4	18.4	15.6	17.3
Montana	20	359	305	274	301	28.3	11.0	23.5	19.0	12.0
Idaho	11	66	76	53	54	31.5	41.0	41.0	46.0	36.0
Wyoming	13	176	176	167	177	21.0	20.0	20.0	18.0	16.0
Colorado	377	1,398	1,284	1,438	1,366	18.7	7.0	15.5	13.0	17.0
New Mexico	89	221	160	199	209	44.0	20.0	15.0	17.5	20.0
Arizona	16	40	44	39	41	31.7	28.0	32.0	26.0	28.0
Utah	8	18	19	18	19	32.1	24.0	27.0	29.0	31.0
Nevada	1	2	2	2	2	31.1	24.0	25.0	22.0	28.0
Pacific	101	201	201	203	216	32.1	32.9	34.7	35.2	34.6
Washington	30	49	43	46	48	27.9	35.0	37.0	39.0	38.0
Oregon	19	75	81	82	86	28.9	33.0	36.0	36.0	35.0
California	52	77	77	75	82	35.7	31.5	32.0	32.0	31.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of corn, 56 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1929	
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
2,712,364	2,691,531	2,763,093	2,818,901	2,622,189	1,728,970	1,997,759	2,119,064	2,048,135	78.1	U.S.
8,423	9,329	8,765	9,190	9,125	9,340	9,883	11,128	10,444	114.5	New Eng.
678	455	518	520	520	455	570	598	624	120	Me.
924	645	615	560	574	645	646	672	631	110	N. H.
1,767	3,612	3,276	3,520	3,608	3,431	3,440	3,872	3,788	105	Vt.
1,954	1,980	1,886	1,890	1,638	2,277	2,263	2,457	2,211	135	Mass.
417	369	380	390	420	424	456	526	588	140	R. I.
2,683	2,268	2,090	2,310	2,365	2,608	2,508	3,003	2,602	110	Conn.
85,700	89,252	79,887	79,105	74,082	71,665	73,376	75,172	74,779	100.9	Mid. Atl.
18,746	23,450	22,542	22,100	21,024	20,167	21,640	21,879	21,655	103	N. Y.
9,890	8,648	7,160	6,968	6,588	6,918	6,086	6,759	6,654	101	N. J.
57,064	57,154	50,185	50,037	46,470	44,580	45,650	46,534	46,470	100	Pa.
813,703	774,210	803,493	800,041	686,243	451,893	445,421	580,633	518,994	75.6	E. N. Cent.
154,084	147,231	109,720	136,725	128,407	88,339	84,484	103,911	100,157	78	Ohio.
187,009	177,536	132,458	157,802	131,968	88,708	90,071	108,883	97,556	74	Ind.
360,969	322,175	254,070	367,488	311,500	180,418	180,300	257,242	224,280	72	Ill.
55,505	54,162	38,995	48,944	32,928	30,538	33,146	41,113	29,306	89	Mich.
56,136	73,106	68,250	89,082	81,440	54,830	57,330	69,484	67,595	83	Wis.
984,468	1,061,405	1,309,642	1,125,543	1,186,154	644,650	854,943	870,723	835,709	70.5	W. N. Cen.
76,953	147,662	127,246	139,026	148,855	82,691	81,437	86,196	96,756	65	Minn.
342,030	435,630	386,986	464,882	437,760	243,953	267,020	311,472	306,432	70	Iowa.
200,135	176,011	168,084	181,540	126,524	119,687	126,063	132,524	108,811	86	Mo.
7,097	19,162	23,975	24,426	16,384	12,350	14,864	149,000	11,141	68	N. Dak.
62,318	83,340	134,995	93,849	112,085	48,337	76,947	58,186	69,493	62	S. Dak.
104,891	139,407	291,446	212,701	237,744	94,797	180,697	151,018	164,043	69	Nebr.
131,044	61,193	176,910	179,118	106,802	42,835	107,915	116,427	79,033	74	Kans.
243,586	226,352	231,152	190,679	212,196	186,543	203,889	192,518	202,671	95.5	S. Atl.
6,295	4,278	4,725	4,488	4,224	2,738	3,780	3,949	3,717	88	Del.
22,689	22,049	22,660	19,345	19,162	14,111	18,128	17,024	16,863	88	Md.
47,980	46,585	47,967	44,715	44,138	39,597	44,130	44,715	44,138	100	Va.
20,959	16,005	14,774	16,524	13,892	15,045	14,774	17,020	14,726	106	W. Va.
49,334	52,272	53,626	42,642	48,568	45,999	48,800	43,921	48,568	100	N. C.
32,620	22,103	25,449	17,064	23,321	19,803	22,904	18,088	23,088	99	S. C.
55,012	55,346	54,502	38,010	50,453	42,063	44,147	39,910	44,399	88	Ga.
8,750	7,714	7,449	7,891	8,438	7,097	7,226	7,891	7,172	85	Fla.
278,509	269,090	224,606	178,665	227,159	187,055	187,619	179,540	210,779	92.8	E. S. Cen.
95,802	101,277	75,010	66,638	80,795	65,830	66,009	63,972	73,523	91	Ky.
81,073	85,222	70,656	56,842	73,600	56,247	58,044	56,842	67,712	92	Tenn.
49,915	45,765	44,800	30,475	37,464	34,781	41,216	33,522	36,715	98	Ala.
51,719	36,826	34,140	24,710	35,300	30,197	31,750	25,204	32,829	93	Miss.
283,602	229,296	260,430	224,460	182,271	149,354	177,354	175,886	156,530	85.9	W. S. Cen.
49,115	41,533	36,575	34,034	26,348	33,226	31,820	30,971	25,821	98	Ark.
37,248	19,722	20,318	21,114	21,476	17,750	18,286	19,847	19,328	90	La.
76,663	61,178	84,190	70,150	48,320	34,260	49,672	47,702	38,173	79	Okla.
120,576	106,863	119,347	99,162	86,127	64,118	77,576	77,346	73,208	85	Tex.
11,183	25,981	38,187	34,072	37,583	21,294	28,411	28,218	30,552	81.3	Mountain.
548	3,949	7,168	5,206	3,612	3,633	5,161	4,269	3,034	84	Mont.
353	2,706	3,116	2,438	1,944	2,435	2,555	2,243	1,827	94	Idaho.
284	3,520	3,520	2,672	2,832	2,534	2,605	2,004	2,407	85	Wyo.
7,011	9,786	19,902	18,694	23,222	6,948	13,553	12,712	17,416	75	Colo.
2,143	4,410	2,490	3,482	4,180	3,845	2,316	3,099	3,720	89	N. Mex.
500	1,120	1,408	1,014	1,148	1,344	1,619	1,268	1,492	130	Ariz.
264	432	513	522	589	497	564	574	589	100	Utah.
30	48	50	44	56	58	58	49	67	120	Nev.
3,240	6,616	6,971	7,146	7,376	6,676	6,863	7,248	7,676	104.1	Pacific.
832	1,715	1,591	1,794	1,824	1,629	1,432	1,776	1,879	103	Wash.
556	2,475	2,916	2,952	3,010	2,475	2,770	2,952	2,950	98	Oreg.
1,852	2,426	2,464	2,400	2,542	2,572	2,661	2,520	2,847	112	Calif.

No. 662.—WHEAT: Area, Production,

Note.—Weight of a

Division and State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 47,097	*Thousands* 56,359	*Thousands* 58,784	*Thousands* 58,272	*Thousands* 61,141	*Bushels* 14.7	*Bushels* 14.8	*Bushels* 14.9	*Bushels* 15.7	*Bushels* 13.2
New England	4	8	5	5	5	25.3	20.0	18.4	19.2	22.0
Maine	3	6	4	4	4	25.0	20.0	18.0	20.0	23.0
Vermont	1	2	1	1	1	26.3	20.0	20.0	16.0	18.0
Middle Atlantic	1,635	1,518	1,459	1,484	1,468	17.4	19.6	19.2	15.6	17.6
New York	333	279	301	316	287	20.0	17.5	20.9	14.9	16.0
New Jersey	82	60	60	60	62	18.0	22.0	23.0	20.0	19.0
Pennsylvania	1,270	1,177	1,098	1,108	1,119	16.7	20.0	18.5	15.5	18.0
East North Central	7,070	6,893	6,956	4,336	6,823	15.6	19.7	16.4	13.6	17.2
Ohio	1,878	1,795	1,615	872	1,732	14.8	22.5	18.0	10.9	19.5
Indiana	2,017	1,703	1,790	910	1,631	14.4	20.0	15.5	11.0	17.0
Illinois	2,135	2,283	2,509	1,563	2,451	15.1	18.0	13.9	14.7	14.9
Michigan	860	984	897	887	905	16.0	18.3	21.5	16.0	18.6
Wisconsin	180	128	145	104	105	18.6	20.3	21.7	20.6	20.9
West North Central	26,993	28,504	30,631	31,810	31,652	13.2	11.7	13.2	15.4	11.6
Minnesota	4,030	1,929	1,763	1,532	1,372	14.9	12.9	11.9	15.0	14.5
Iowa	630	378	441	452	454	19.0	21.4	18.7	19.3	19.4
Missouri	2,083	1,403	1,568	1,511	1,730	14.3	15.3	10.0	12.7	10.0
North Dakota	8,108	9,653	10,246	10,810	9,918	11.0	8.0	12.7	14.0	9.4
South Dakota	3,603	1,917	3,037	3,360	3,114	10.8	6.1	14.9	10.4	9.7
Nebraska	2,951	3,077	3,630	3,672	3,548	16.8	13.0	20.3	19.0	15.9
Kansas	5,588	10,147	9,946	10,473	11,516	13.5	14.8	11.2	17.0	12.0
South Atlantic	2,476	2,058	2,133	2,029	2,082	12.6	17.7	13.3	14.2	14.0
Delaware	113	103	98	102	101	15.9	20.0	19.0	18.0	19.0
Maryland	602	520	525	530	541	15.1	23.0	17.5	16.5	17.5
Virginia	742	687	687	673	700	12.2	16.5	12.2	14.5	12.8
West Virginia	231	147	135	122	134	12.0	16.0	13.3	13.0	13.3
North Carolina	586	447	483	444	457	10.4	14.1	10.7	11.6	11.7
South Carolina	72	50	80	64	64	10.8	16.0	11.0	12.5	12.0
Georgia	130	104	125	94	85	10.8	15.0	9.2	11.0	10.0
East South Central	1,445	709	837	554	653	11.7	18.1	8.0	8.7	10.1
Kentucky	728	258	290	125	240	12.2	18.5	9.5	8.0	11.8
Tennessee	685	440	528	422	405	11.2	18.0	7.0	8.8	9.0
Alabama	27	7	7	4	4	11.3	13.4	10.6	11.0	10.0
Mississippi	5	4	6	3	4	12.6	17.0	17.0	20.0	17.0
West South Central	2,172	6,046	5,586	6,451	6,762	12.6	17.7	9.2	12.7	12.2
Arkansas	88	30	28	22	26	11.8	13.5	11.5	11.5	12.0
Oklahoma	1,436	4,214	3,708	4,413	4,236	12.0	17.5	9.0	13.5	10.5
Texas	648	1,802	1,850	2,016	2,520	13.2	18.2	9.7	11.0	15.0
Mountain	1,635	6,839	7,039	7,525	7,508	25.2	15.3	20.6	18.6	13.4
Montana	542	3,570	3,850	4,275	4,166	25.9	12.5	20.8	18.2	9.6
Idaho	480	1,045	1,171	1,160	1,083	27.5	23.6	27.6	24.8	23.6
Wyoming	67	198	226	243	293	26.7	18.8	18.5	16.0	14.3
Colorado	419	1,485	1,419	1,339	1,397	23.2	12.7	14.2	13.9	12.9
New Mexico	50	249	55	186	305	21.4	22.7	10.4	11.0	18.8
Arizona	25	38	58	47	42	27.9	25.0	25.0	27.0	27.0
Utah	220	237	242	257	266	24.0	23.2	23.5	26.7	24.1
Nevada	32	17	18	18	16	28.1	24.0	25.6	26.8	25.2
Pacific	3,417	3,786	4,138	4,078	4,168	21.2	18.9	23.9	21.7	19.3
Washington	2,207	2,107	2,261	2,271	2,430	21.9	19.4	25.8	21.4	18.5
Oregon	774	1,026	1,065	1,027	1,058	21.9	18.2	25.1	22.7	21.8
California	436	653	812	780	680	16.2	18.4	16.8	21.0	18.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of wheat, 60 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1929	
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)		
1,000 bushels 690,108	*1,000 bushels* 831,381	*1,000 bushels* 878,374	*1,000 bushels* 914,876	*1,000 bushels* 806,508	*1,000 dollars* 996,308	*1,000 dollars* 979,813	*1,000 dollars* 857,184	*1,000 dollars* 840,921	*Cents* 104.3	U. S.
101	160	92	96	110	283	154	153	180	145.5	New Eng.
75	120	72	80	92	210	126	132	138	150	Me.
26	40	20	16	18	53	28	21	22	122	Vt.
29,297	29,740	27,972	23,073	25,900	38,545	35,387	30,064	31,505	121.6	Mid. Atl.
6,674	4,887	6,291	4,702	4,584	6,444	7,875	6,428	5,685	124	N. Y.
1,478	1,320	1,380	1,200	1,178	1,742	1,725	1,488	1,449	123	N. J.
21,145	23,533	20,301	17,171	20,138	30,359	25,787	22,148	24,371	121	Pa.
110,209	136,663	114,073	58,797	117,030	168,783	139,237	70,936	132,116	112.9	E. N. Cen.
28,918	40,384	29,068	9,475	33,770	51,286	36,335	12,388	39,172	116	Ohio.
30,255	34,048	27,749	10,040	27,723	42,216	34,406	12,429	31,048	112	Ind.
33,677	41,034	34,844	22,939	36,537	50,061	41,696	25,693	40,493	111	Ill.
14,030	17,998	19,270	14,202	16,810	21,958	23,124	18,164	18,994	113	Mich.
3,329	2,599	3,142	2,141	2,190	3,262	3,676	2,262	2,409	110	Wis.
356,084	333,224	405,591	488,919	384,296	395,978	444,057	442,117	363,099	99.7	W. N. Cen.
59,613	24,311	20,925	22,904	19,944	30,441	22,949	21,990	21,005	105	Minn.
12,000	8,078	8,236	8,723	8,794	9,688	9,523	8,739	9,314	106	Iowa.
31,011	21,474	15,700	19,194	17,300	26,630	19,146	23,188	19,546	113	Mo.
89,313	77,081	130,191	155,358	93,396	90,185	133,745	125,926	91,008	97	N. Dak.
38,608	11,611	45,386	34,928	30,247	13,682	47,990	29,641	28,271	93	S. Dak.
49,555	40,085	73,826	69,919	56,555	46,753	80,352	65,498	55,902	99	Nebr.
75,984	150,084	111,327	177,833	138,060	178,599	130,252	167,144	138,063	100	Kans.
31,320	36,371	28,425	28,909	29,094	48,844	38,135	39,590	36,977	127.1	S. Atl.
1,799	2,060	1,862	1,836	1,919	2,678	2,328	2,295	2,226	116	Del.
9,108	11,960	9,188	8,745	9,468	15,548	11,669	11,106	11,172	118	Md.
9,108	11,336	8,381	9,758	8,960	14,850	11,003	13,173	11,200	125	Va.
2,980	2,352	1,796	1,586	1,782	3,175	2,461	2,173	2,370	133	W. Va.
6,124	6,303	5,168	5,150	5,347	9,013	7,494	7,828	7,539	141	N. C.
784	800	880	800	768	1,240	1,338	1,288	1,152	150	S. C.
1,417	1,560	1,150	1,034	850	2,340	1,782	1,727	1,318	155	Ga.
16,965	12,855	6,684	4,818	6,585	17,357	9,186	6,842	8,532	129.6	E. S. Cen.
8,896	4,773	2,812	1,000	2,832	6,348	3,796	1,380	3,568	126	Ky.
7,705	7,920	3,696	3,714	3,645	10,771	5,137	5,311	4,811	132	Tenn.
304	94	74	44	40	180	115	69	61	152	Ala.
60	68	102	60	68	88	138	88	92	135	Miss.
27,395	106,946	51,639	82,005	82,590	126,892	62,161	84,279	84,125	101.9	W. S. Cen.
1,033	405	322	253	312	518	402	309	402	129	Ark.
17,418	73,745	33,372	59,576	44,478	87,019	40,046	59,576	44,033	99	Okla.
8,944	32,796	17,945	22,176	37,800	39,355	21,713	24,394	39,690	105	Tex.
46,189	104,400	145,038	139,917	100,639	114,115	142,431	121,172	96,263	95.7	Mountain.
13,593	44,744	80,208	77,998	40,098	50,123	77,080	65,036	38,181	95	Mont.
18,254	24,633	32,374	28,792	25,515	26,173	31,570	25,013	24,353	95	Idaho.
1,766	3,714	4,186	3,897	3,331	3,974	3,953	3,229	2,965	89	Wyo.
9,595	18,793	20,112	18,564	18,012	20,124	20,818	15,815	16,691	93	Colo.
1,064	5,653	570	2,054	5,742	6,242	676	2,201	5,495	96	N. Mex.
708	950	1,450	1,269	1,134	1,235	1,958	1,650	1,531	135	Ariz.
5,302	5,505	5,678	6,861	6,403	5,772	5,792	6,788	6,527	102	Utah.
887	408	460	482	404	472	575	590	520	129	Nev.
72,568	71,622	98,860	88,342	80,264	85,531	109,065	92,031	88,144	109.8	Pacific.
48,479	40,901	58,436	48,644	44,910	47,464	62,971	48,620	47,902	107	Wash.
16,945	18,706	26,782	23,318	23,114	22,447	29,996	24,083	25,554	111	Oreg.
7,144	12,015	13,642	16,380	12,240	15,620	16,098	19,328	14,688	120	Calif.

No. 663.—OATS: Area, Production,

Note.—Weight of a

Division and State	Acres					Yield per acre				
	1909-1913, average	1926	1927	1928	1929 (preliminary)	1909-1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 37,357	*Thousands* 44,177	*Thousands* 41,941	*Thousands* 41,734	*Thousands* 40,217	*Bushels* 30.6	*Bushels* 28.2	*Bushels* 28.2	*Bushels* 34.5	*Bushels* 30.8
New England	241	256	243	233	229	37.7	37.5	37.4	34.2	38.3
Maine	132	136	124	120	122	38.5	38.0	37.0	35.0	40.0
New Hampshire	12	11	11	10	10	36.4	40.0	39.0	39.0	40.0
Vermont	76	82	83	79	74	38.1	38.0	39.0	34.0	37.0
Massachusetts	8	9	8	7	7	34.1	34.0	35.0	32.0	38.0
Rhode Island	2	3	2	2	2	28.7	32.0	32.0	28.0	30.0
Connecticut	11	15	15	15	14	31.6	32.0	32.0	27.0	30.0
Middle Atlantic	2,482	2,178	2,149	2,137	2,050	31.0	33.0	35.5	32.7	27.3
New York	1,250	1,017	1,000	1,020	989	31.3	34.0	35.0	33.0	24.9
New Jersey	70	50	49	50	47	29.5	33.0	36.0	30.0	30.0
Pennsylvania	1,132	1,111	1,100	1,067	1,014	30.7	32.0	36.0	32.5	29.5
East North Central	11,563	12,838	11,395	13,620	11,657	33.5	31.8	30.2	35.2	31.9
Ohio	1,836	1,980	1,900	2,413	1,689	35.2	38.0	32.0	37.0	29.5
Indiana	1,736	2,050	1,948	2,430	1,895	31.2	30.0	25.0	37.0	28.5
Illinois	4,263	4,661	4,008	4,649	4,231	34.1	26.5	25.5	37.5	33.5
Michigan	1,486	1,570	1,617	1,633	1,372	31.6	33.0	33.5	35.8	29.8
Wisconsin	2,242	2,577	2,422	2,495	2,470	33.7	37.5	38.5	43.5	34.5
West North Central	16,807	21,094	20,333	19,619	19,561	28.9	24.4	27.3	34.1	31.8
Minnesota	2,966	4,532	4,350	4,089	4,212	32.8	28.5	26.8	37.5	36.5
Iowa	4,902	6,218	6,001	6,004	5,944	33.8	31.5	32.0	38.5	37.0
Missouri	1,170	2,173	1,565	1,706	1,535	25.9	20.0	17.0	28.0	22.0
North Dakota	2,208	2,024	2,125	1,934	1,934	25.9	17.0	21.5	31.0	18.0
South Dakota	1,558	1,984	2,550	2,193	2,259	24.1	11.7	20.3	27.0	28.5
Nebraska	2,385	2,537	2,441	2,392	2,480	23.6	20.7	28.6	33.0	34.8
Kansas	1,618	1,626	1,301	1,301	1,197	25.6	21.6	23.5	29.0	23.6
South Atlantic	1,356	1,662	1,633	1,248	1,531	20.8	24.6	22.4	23.7	24.7
Delaware	4	4	4	4	3	30.1	28.0	29.0	30.0	28.0
Maryland	46	52	51	54	43	28.1	32.8	33.5	31.5	31.0
Virginia	193	186	186	182	167	20.9	26.0	21.5	25.5	23.0
West Virginia	110	207	217	204	216	24.2	28.0	24.2	28.0	26.0
North Carolina	220	310	273	191	258	17.9	22.0	21.0	22.0	24.0
South Carolina	338	416	449	337	408	21.5	25.2	23.0	23.0	27.0
Georgia	401	475	442	265	424	20.3	23.0	21.0	20.0	22.5
Florida	44	12	11	11	12	16.4	16.7	11.0	17.4	14.0
East South Central	879	633	543	604	661	20.3	24.2	18.1	23.2	20.1
Kentucky	166	259	215	305	290	22.5	24.5	19.0	26.0	21.5
Tennessee	311	276	179	188	197	21.0	25.0	17.0	21.5	18.0
Alabama	282	107	101	70	119	18.9	22.0	17.5	17.5	19.5
Mississippi	120	41	48	41	55	18.2	22.0	19.0	20.0	22.0
West South Central	1,825	3,577	3,357	2,491	2,708	25.8	35.6	20.2	25.4	27.2
Arkansas	205	243	207	155	186	23.3	22.0	20.0	23.0	26.0
Louisiana	37	30	35	44	48	21.1	26.6	17.5	24.5	25.0
Oklahoma	837	1,340	1,112	890	702	23.5	28.0	1 90	26.0	26.0
Texas	746	1,964	2,003	1,402	1,682	29.5	42.6	21.0	25.5	28.0
Mountain	1,366	1,290	1,148	1,123	1,150	42.2	28.8	38.2	35.1	37.1
Montana	425	611	596	554	554	46.1	26.0	40.0	36.5	17.0
Idaho	325	119	143	137	151	44.5	40.0	47.0	47.0	40.0
Wyoming	180	120	120	132	145	36.3	35.0	36.0	29.0	20.0
Colorado	289	195	189	193	212	38.0	24.0	29.0	31.0	31.0
New Mexico	45	54	30	36	43	34.2	28.0	22.0	20.0	27.0
Arizona	6	15	17	14	15	41.4	35.0	36.0	38.0	32.0
Utah	87	54	51	55	58	45.2	40.0	42.0	45.0	42.0
Nevada	9	2	2	2	2	42.5	32.0	40.0	40.0	35.0
Pacific	838	689	640	659	640	40.3	34.4	37.3	39.0	40.4
Washington	282	229	183	201	191	47.8	43.0	50.0	47.0	47.0
Oregon	354	304	310	304	304	37.5	29.0	34.0	36.0	41.0
California	202	156	147	154	145	34.6	32.5	28.5	34.5	30.6

Source: Bureau of Agricultural Economics, Department of Agriculture.

OAT CROP

AND FARM VALUE BY STATES

bushel of oats, 32 pounds

Production					Farm value, Dec. 1					Division and State
					Amount					
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)	Per bushel, 1929	
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
1, 148, 407	1, 946, 848	1, 188, 594	1, 439, 407	1, 238, 854	496, 582	531, 762	589, 048	538, 445	43. 5	U. S.
9, 084	9, 606	9, 078	7, 961	8, 764	6, 010	6, 099	5, 554	6, 001	68. 5	New Eng.
5, 078	5, 168	4, 588	4, 200	4, 880	3, 256	3, 120	2, 940	3, 416	70	Me.
422	440	429	390	400	286	300	254	280	70	N. H.
2, 005	3, 116	3, 237	2, 686	2, 738	1, 870	2, 104	1, 880	1, 780	65	Vt.
280	306	280	224	266	214	196	157	186	70	Mass.
57	96	64	56	60	67	48	39	45	75	R. I.
342	480	480	405	420	317	331	284	294	70	Conn.
76, 931	71, 780	76, 364	69, 838	55, 949	35, 534	41, 569	37, 350	32, 137	57. 4	Mid. Atl.
40, 071	34, 578	35, 000	33, 660	24, 626	17, 289	19, 250	18, 176	14, 283	58	N. Y.
2, 082	1, 650	1, 764	1, 500	1, 410	825	935	795	804	57	N. J.
34, 778	35, 552	39, 600	34, 678	29, 913	17, 420	21, 384	18, 379	17, 050	57	Pa.
387, 565	408, 704	359, 121	520, 522	371, 673	153, 479	162, 977	208, 820	157, 840	42. 5	E. N. C.
65, 233	75, 240	60, 800	89, 281	49, 826	29, 344	27, 360	37, 498	22, 422	45	Ohio.
54, 719	61, 500	48, 700	89, 910	54, 008	21, 525	20. 941	33, 267	21, 603	40	Ind.
145, 117	123, 516	102, 204	174, 338	141, 738	43, 231	43, 948	66, 248	56, 695	40	Ill.
46, 964	51, 810	54, 170	58, 461	40, 886	20, 724	26, 002	25, 138	19, 625	48	Mich.
75, 532	96, 638	93, 247	108, 532	85, 215	38, 655	43, 827	46, 669	37, 495	44	Wis.
485, 175	513, 748	556, 007	668, 090	621, 183	188, 893	224, 360	242, 628	237, 348	38. 2	W. N. C.
97, 294	129, 162	116, 580	153, 338	153, 738	43, 915	46, 632	53, 068	56, 883	37	Minn.
166, 175	195, 867	192, 032	231, 154	219, 928	68, 553	80, 653	85, 527	85, 772	39	Iowa.
30, 135	43, 460	26, 605	47, 768	33, 770	18, 253	12, 504	20, 063	15, 872	47	Mo.
57, 627	34, 408	45, 088	59, 954	34, 812	11, 355	15, 991	17, 985	11, 140	32	N. Dak.
37, 668	23, 213	74, 715	59, 211	64, 382	8, 357	26, 807	19, 540	21, 890	34	S. Dak.
55, 986	52, 516	69, 813	78, 936	86, 304	21, 006	27, 925	29, 996	32, 796	38	Nebr.
40, 290	35, 122	30, 574	37, 720	28, 249	15, 454	13, 758	15, 84	12, 995	46	Kans.
28, 191	40, 878	36, 537	29, 618	37, 790	26, 784	25, 853	22, 366	28, 240	74. 7	S. Atl.
120	112	116	120	84	66	79	72	48	57	Del.
1, 301	1, 706	1, 708	1, 701	1, 333	853	922	953	786	59	Md.
4, 038	4, 836	3, 999	4, 641	3, 841	3, 047	2, 559	2, 970	2, 573	67	Va.
2, 670	5, 796	5, 251	5, 712	5, 616	3, 420	3, 361	3, 599	3, 594	64	W. Va.
3, 935	6, 820	5, 733	4, 202	6, 192	4, 706	4, 128	3, 278	4, 644	75	N. C.
7, 265	10, 483	10, 327	7, 751	11, 016	7, 024	7. 745	6, 821	8, 813	80	S. C.
8, 136	10, 925	9, 282	5, 300	9, 540	7, 538	6, 902	4, 505	7, 632	80	Ga.
726	200	121	191	168	130	97	168	150	89	Fla.
17, 823	16, 502	9, 808	14, 017	13, 311	9, 354	6, 153	8, 479	8, 561	64. 3	E. S. C.
3, 717	6, 346	4, 085	7, 930	6, 235	3, 363	2, 451	4, 520	3, 679	59	Ky.
6, 549	6, 900	3, 043	4, 042	3, 546	3, 795	1, 826	2, 425	2, 199	62	Tenn.
5, 354	2, 354	1, 768	1, 225	2, 320	1, 601	1, 238	919	1, 763	76	Ala.
2, 203	902	912	820	1, 210	595	638	615	920	76	Miss.
47, 174	127, 330	67, 943	63, 379	73, 724	48, 966	31, 871	31, 822	37, 741	51. 2	W. S. C.
4, 825	5, 346	4, 140	3, 410	4, 836	2, 780	2, 401	2, 012	2, 998	62	Ark.
782	798	612	1, 078	1, 200	511	404	701	840	70	La.
18, 678	37, 520	21, 128	23, 140	20, 592	13, 882	9, 296	10, 876	9, 884	48	Okla.
22, 889	83, 666	42, 063	35, 751	47, 096	31, 793	19, 770	18, 233	24, 019	51	Tex.
57, 678	34, 567	43, 856	40, 278	30, 382	17, 501	20, 430	18, 068	15, 594	51. 3	Mountain.
19, 533	16, 666	23, 840	20, 221	9, 418	8, 833	10, 490	8, 291	4, 803	51	Mont.
14, 492	4, 760	6, 721	6, 439	6, 040	2, 142	3, 360	3, 091	2, 899	48	Idaho
6, 595	4, 200	4, 320	3, 828	4, 205	1, 890	1, 814	1. 723	2, 145	51	Wyo.
10, 966	4, 680	5, 481	5, 983	6, 572	2, 059	2, 631	2, 697	3, 155	48	Colo.
1, 542	1, 512	660	720	1, 161	847	370	432	697	60	N. Mex.
240	525	612	532	480	394	423	399	384	80	Ariz.
3, 928	2, 160	2, 142	2, 475	2, 436	1, 296	1, 285	1, 386	1, 462	60	Utah.
373	64	80	80	70	40	52	52	49	70	Nev.
33, 786	23, 733	23, 880	25, 704	25, 878	12, 081	13, 350	13, 965	14, 983	57. 9	Pacific.
13, 493	9, 847	9, 150	9, 447	8, 977	5, 219	5, 124	5, 196	5, 296	59	Wash.
13, 292	8, 816	10, 540	10, 944	12, 464	4, 408	5, 586	5, 581	6, 980	56	Oreg.
7, 001	5, 070	4, 190	5, 313	4, 437	2, 434	2, 640	3, 188	2, 707	61	Cal.

No. 664.—BARLEY: Area, Production,

Note.—Weight of a

Division and State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 7,619	*Thousands* 7,970	*Thousands* 9,476	*Thousands* 12,598	*Thousands* 13,212	*Bushels* 24.3	*Bushels* 23.2	*Bushels* 28.1	*Bushels* 28.4	*Bushels* 23.2
New England	17	10	10	10	11	29.1	30.0	28.2	26.2	30.4
Maine	4	4	4	4	4	28.3	30.0	27.0	28.0	31.0
New Hampshire	1	-------	-------	-------	-------	26.2	-------	-------	-------	-------
Vermont	12	6	6	6	7	31.7	30.0	29.0	25.0	30.0
Middle Atlantic	87	198	211	200	198	26.2	28.2	29.0	27.5	22.5
New York	80	179	188	169	159	26.2	28.3	29.0	27.5	22.1
New Jersey	-------	1	2	2	3	-------	33.0	37.0	30.0	22.0
Pennsylvania	7	18	21	29	36	25.4	27.0	28.0	27.0	24.5
East North Central	983	1,095	1,449	2,086	1,536	26.7	32.3	31.1	31.7	28.4
Ohio	25	116	155	333	103	27.3	32.0	27.0	27.6	23.5
Indiana	9	23	35	78	31	26.3	25.0	28.8	23.0	22.0
Illinois	57	302	453	680	456	28.7	31.0	29.5	29.5	26.5
Michigan	90	133	186	270	243	25.1	28.5	28.5	30.0	23.0
Wisconsin	802	521	620	725	703	26.8	34.5	34.5	37.1	32.5
West North Central	4,491	4,327	5,482	7,737	8,677	20.5	18.0	27.3	27.2	21.2
Minnesota	1,488	1,307	1,460	2,000	2,200	23.2	25.0	30.0	30.0	27.0
Iowa	493	268	454	802	642	25.9	30.5	31.4	33.5	30.5
Missouri	6	9	7	13	14	23.8	24.0	23.0	22.0	17.0
North Dakota	1,162	1,472	1,663	2,179	2,550	19.2	14.3	25.5	25.5	14.2
South Dakota	1,007	778	1,200	1,680	2,016	17.3	10.1	30.0	21.7	18.5
Nebraska	117	227	246	430	647	17.9	20.7	30.8	32.6	29.2
Kansas	218	266	452	633	608	14.8	11.4	12.6	27.9	20.5
South Atlantic	14	39	42	59	74	28.2	30.0	26.0	26.2	26.7
Maryland	4	10	9	13	16	28.4	34.3	30.5	32.0	32.0
Virginia	10	14	13	14	18	26.4	31.0	26.0	29.0	28.0
North Carolina	-------	15	20	32	40	-------	26.0	24.0	23.0	24.0
East South Central	6	47	48	23	31	23.8	30.4	20.0	20.4	22.1
Kentucky	3	7	6	2	7	25.9	33.0	27.0	25.0	29.5
Tennessee	3	40	42	21	24	25.2	30.0	19.0	20.0	20.0
West South Central	14	284	231	210	260	22.1	31.9	16.1	21.3	25.0
Oklahoma	9	110	36	54	57	18.4	27.0	16.5	22.0	25.0
Texas	5	174	195	156	203	24.1	35.0	16.0	21.0	25.0
Mountain	352	744	860	1,069	1,254	37.6	23.4	30.0	29.2	23.6
Montana	37	150	195	209	251	33.6	24.0	33.0	30.5	16.0
Idaho	150	112	129	144	147	40.1	37.0	44.0	43.0	39.0
Wyoming	11	42	59	95	124	31.9	33.0	34.0	28.0	27.0
Colorado	79	380	410	547	651	33.7	16.0	22.0	24.0	21.0
New Mexico	2	8	8	12	13	31.4	26.0	18.0	19.0	25.0
Arizona	35	25	20	17	18	38.3	35.0	35.0	38.0	35.0
Utah	26	20	30	34	39	40.5	40.0	47.0	49.0	40.0
Nevada	12	7	9	11	11	40.0	40.0	45.0	35.0	33.0
Pacific	1,655	1,226	1,143	1,204	1,171	29.8	30.1	28.8	31.1	30.6
Washington	177	64	58	55	63	37.8	34.0	42.0	35.5	34.0
Oregon	115	82	91	105	116	33.6	28.0	35.0	35.0	37.0
California	1,363	1,080	994	1,044	992	28.3	30.0	27.5	30.5	29.6

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of barley, 48 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1929	
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
184,812	184,905	265,882	357,487	307,105	106,237	180,200	197,459	168,807	55.0	U. S.
526	300	282	262	334	263	267	288	313	93.7	New Eng.
119	120	108	112	124	110	102	123	124	100	Me.
26										N. H.
381	180	174	150	210	153	165	165	189	90	Vt.
2,280	5,585	6,114	5,491	4,482	4,217	4,911	4,335	3,802	85.2	Mid. Atl.
2,093	5,066	5,452	4,548	3,514	3,800	4,362	3,625	2,952	84	N. Y.
	33	74	60	66	28	61	52	56	85	N. J.
187	486	588	783	882	389	488	658	794	90	Pa.
28,294	35,413	45,073	66,043	43,623	22,258	33,448	40,359	27,373	62.7	E. N. C.
675	3,712	4,185	9,191	2,420	2,301	3,013	5,515	1,476	61	Ohio.
242	575	833	1,794	682	380	608	1,058	423	62	Ind.
1,633	9,362	13,304	20,060	12,084	5,430	9,756	10,632	6,707	56	Ill.
2,249	3,790	5,301	8,100	5,589	2,464	4,029	5,670	3,856	69	Mich.
21,495	17,974	21,390	26,898	22,848	11,683	16,042	17,484	14,851	65	Wis.
92,286	77,704	149,895	210,451	184,081	39,758	91,231	101,892	86,553	47.0	W. N. C.
34,487	32,675	43,800	60,000	59,400	16,064	28,470	30,000	28,512	48	Minn.
12,714	8,174	14,256	26,466	19,581	4,577	9,409	14,292	10,182	52	Iowa.
154	216	161	286	238	173	153	229	190	80	Mo.
22,534	21,050	42,406	55,564	36,210	9,683	25,020	23,883	15,208	42	N. Dak.
17,237	7,858	36,000	36,456	37,296	4,036	20,880	17,499	16,783	45	S. Dak.
2,085	4,699	7,577	14,018	18,892	2,725	4,167	7,149	9,446	50	Nebr.
3,075	3,032	5,695	17,661	12,464	1,850	3,132	8,830	6,232	50	Kans.
395	1,187	1,092	1,558	1,978	1,055	1,060	1,583	2,133	107.9	S. Atl.
126	343	274	416	512	274	238	354	420	82	Md.
269	434	338	406	504	391	294	345	484	96	Va.
	390	480	736	960	390	528	883	1,229	128	N. C.
143	1,431	960	470	686	1,351	945	508	694	101.2	E. S. C.
78	231	162	50	206	190	147	46	204	99	Ky.
65	1,200	798	420	480	1,152	798	462	490	102	Tenn.
308	9,060	3,714	4,464	6,500	4,951	2,570	3,163	4,044	62.2	W. S. C.
177	2,970	594	1,188	1,425	1,723	386	772	898	63	Okla.
132	6,090	3,120	3,276	5,075	3,228	2,184	2,391	3,146	62	Tex.
13,246	17,373	25,796	31,279	29,646	10,688	16,018	18,394	18,365	61.9	Mountain.
1,244	3,600	6,435	6,374	4,016	2,304	3,861	3,569	2,731	68	Mont.
345	1,386	2,000	2,660	3,348	859	1,224	1,623	2,143	64	Wyo.
6,042	4,144	5,676	3,192	5,733	2,486	3,860	3,901	3,784	66	Idaho.
2,663	6,080	9,020	13,128	13,671	3,344	5,051	7,089	7,382	54	Colo.
72	208	144	228	325	135	101	171	263	81	N. Mex.
1,356	875	700	646	630	744	525	517	536	85	Ariz.
1,044	800	1,410	1,660	1,560	576	1,072	1,216	1,217	78	Utah.
480	280	405	385	363	238	324	308	309	85	Nev.
49,333	36,872	32,956	37,489	35,797	21,698	29,750	26,938	25,530	71.3	Pacific.
6,714	2,176	2,436	1,952	2,142	1,414	1,876	1,366	1,671	78	Wash.
3,884	2,296	3,185	3,075	4,292	1,492	2,452	2,646	3,305	77	Oreg.
38,735	32,400	27,335	31,842	29,363	18,792	25,422	22,926	20,554	70	Calif.

No. 665.—RYE AND RICE: Area, Production,

NOTE.—Weight of a bushel of rye,

RYE

Division and State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 2,167	*Thousands* 3,574	*Thousands* 3,648	*Thousands* 3,480	*Thousands* 3,225	*Bushels* 16.1	*Bushels* 11.4	*Bushels* 15.9	*Bushels* 12.5	*Bushels* 12.6
Massachusetts	4					17.2				
Connecticut	8					18.8				
New York	145	25	21	20	20	17.1	15.5	17.5	15.7	15.5
New Jersey	76	41	36	41	49	17.2	19.0	20.0	18.5	19.0
Pennsylvania	317	93	86	103	124	16.5	16.0	17.0	15.5	16.0
Ohio	65	50	35	30	57	16.2	17.5	16.0	13.3	15.6
Indiana	70	145	119	86	125	13.1	14.5	13.6	11.0	13.0
Illinois	58	83	62	62	75	16.9	15.0	14.5	14.5	14.5
Michigan	370	173	178	182	166	14.6	13.5	14.7	13.0	13.5
Wisconsin	343	256	238	167	185	17.0	15.0	17.0	13.0	16.0
Minnesota	207	440	383	421	396	19.3	13.5	18.3	15.0	17.5
Iowa	42	31	43	49	50	18.3	17.5	15.0	15.5	16.0
Missouri	15	24	16	19	20	14.8	12.9	11.0	12.0	10.0
North Dakota	50	1,222	1,381	1,208	935	15.2	7.6	16.7	11.0	9.0
South Dakota	29	103	154	162	186	15.4	6.2	18.0	9.0	11.0
Nebraska	75	253	274	249	262	15.2	10.3	15.0	14.0	14.1
Kansas	34	41	45	27	19	13.8	11.7	12.8	16.2	12.5
Delaware	1	4	3	3	4	14.5	15.0	15.0	15.0	14.5
Maryland	25	15	14	15	17	14.9	18.0	15.3	15.0	16.5
Virginia	38	43	42	46	53	14.4	13.5	11.8	13.5	11.8
West Virginia	15	12	8	7	8	12.8	13.0	13.0	13.5	11.6
North Carolina	33	104	94	89	98	9.8	13.0	12.0	11.5	12.0
South Carolina	3	8	9	7	7	10.0	14.0	13.0	11.5	12.5
Georgia	13	22	26	22	18	9.5	12.0	10.0	10.0	9.5
Kentucky	18	18	14	7	15	12.6	15.5	11.0	12.4	11.0
Tennessee	14	32	26	25	32	11.4	14.0	8.0	8.2	8.0
Alabama	1					11.2				
Arkansas	1	1	1	1	1	10.9	11.0	10.0	9.0	9.0
Oklahoma	4	36	22	26	28	11.6	15.5	9.0	12.0	11.0
Texas	8	20	14	15	16	12.9	19.0	7.0	12.0	15.0
Montana	9	107	134	154	111	23.3	12.0	18.0	14.0	11.0
Idaho	3	3	3	3	3	21.6	15.5	16.0	16.0	14.0
Wyoming	2	51	54	40	40	20.5	14.0	12.5	10.0	9.0
Colorado	15	85	76	74	81	16.9	11.5	10.5	11.0	11.0
Utah	6	4	4	3	3	17.6	9.0	10.0	8.0	7.0
Washington	7	18	22	18	12	20.9	12.0	16.0	15.5	12.0
Oregon	17	10	10	8	8	17.0	13.0	16.0	15.0	14.0
Other States	30	1	1	1	1		18.0	6.0	12.0	18.0

RICE (ROUGH)

United States	716	1,034	1,012	977	893	38.3	40.4	44.2	44.3	45.0
South Carolina	12	5				22.7	17.0			
Georgia	3	3				26.9	20.0			
Florida	1					24.2				
Mississippi	2	1				31.8	18.0			
Arkansas	71	199	175	164	154	38.5	53.0	44.0	47.7	46.0
Louisiana	303	501	500	487	472	32.4	32.5	40.0	38.5	41.0
Texas	261	166	174	184	171	33.8	37.0	46.2	44.0	44.0
California	2	149	160	132	95	54.2	53.6	56.0	61.9	65.5
Other States	1	10	3	10	1		61.0	25.0	40.0	35.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

56 pounds; rice (rough), 45 pounds

RYE

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1929	
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
36,093	40,749	58,164	43,366	40,629	33,991	49,609	37,290	35,371	87.1	United States.
55										Massachusetts.
143										Connecticut.
2,289	388	368	314	310	388	386	352	353	114	New York.
1,232	779	720	758	931	740	698	788	959	103	New Jersey.
4,641	1,488	1,462	1,596	1,984	1,443	1,535	1,708	2,103	106	Pennsylvania.
1,131	875	560	399	889	770	515	411	871	98	Ohio.
1,226	2,102	1,618	946	1,625	1,787	1,424	889	1,462	90	Indiana.
902	1,245	899	899	1,088	1,071	827	827	968	89	Illinois.
5,801	2,336	2,617	2,366	2,241	1,822	2,329	2,200	1,972	88	Michigan.
6,135	3,840	4,046	2,171	2,960	3,226	3,641	1,954	2,634	89	Wisconsin.
5,127	5,940	7,009	6,315	6,930	4,514	5,958	5,368	5,683	82	Minnesota.
739	542	645	760	800	444	555	654	680	85	Iowa.
252	310	176	228	200	350	194	242	214	107	Missouri.
880	9,287	23,063	14,278	8,415	6,780	18,450	10,851	6,395	76	North Dakota.
314	639	2,772	1,458	2,046	466	2,190	1,152	1,555	76	South Dakota.
1,056	2,606	4,110	3,486	3,694	1,981	3,165	2,684	2,807	76	Nebraska.
365	480	576	437	238	451	530	358	202	85	Kansas.
15	60	45	45	53	66	52	54	67	115	Delaware.
415	270	214	225	280	284	235	259	308	110	Maryland.
626	580	496	621	625	650	570	745	750	120	Virginia.
215	156	104	94	93	172	114	108	108	116	West Virginia.
463	1,352	1,128	1,024	1,176	1,690	1,523	1,485	1,646	140	North Carolina.
30	112	117	80	88	196	205	148	167	190	South Carolina.
114	264	260	220	171	422	429	385	323	189	Georgia.
296	279	154	87	165	301	185	115	201	122	Kentucky.
223	448	208	205	256	538	268	283	340	133	Tennessee.
11										Alabama.
11	11	10	9	9	14	14	13	12	135	Arkansas.
49	558	198	312	308	502	196	287	277	90	Oklahoma.
21	380	98	180	240	369	93	185	221	92	Texas.
153	1,284	2,412	2,156	1,221	963	1,761	1,488	879	72	Montana.
65	46	48	48	42	34	36	35	36	85	Idaho.
49	714	675	400	360	478	466	288	245	68	Wyoming.
342	978	798	814	891	694	559	570	633	71	Colorado.
115	36	40	24	21	29	33	21	19	91	Utah.
150	216	352	279	144	216	317	251	137	95	Washington.
300	130	160	120	112	125	152	122	129	115	Oregon.
142	18	6	12	18	15	4	10	15	82	Other States.

RICE (ROUGH)

23,770	41,730	44,774	43,240	40,217	45,732	41,618	38,277	39,346	97.8	United States.
264	85				102					South Carolina.
65	60				66					Georgia.
15										Florida.
58					22					Mississippi.
2,692	10,547	7,700	7,323	7,084	10,547	6,930	6,728	6,517	92	Arkansas.
11,754	16,282	20,000	18,750	19,352	17,096	17,400	16,875	18,965	98	Louisiana.
8,823	6,142	8,039	8,096	7,524	6,756	6,914	7,124	7,298	97	Texas.
74	7,986	8,960	8,171	6,222	10,462	10,304	7,190	6,533	105	California.
25	610	75	400	35	671	68	360	33	95	Other States.

No. 666.—POTATOES: Area, Production,

Note.—Weight of a bushel

Division and State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 3,677	*Thousands* 3,120	*Thousands* 3,476	*Thousands* 3,837	*Thousands* 3,370	*Bushels* 97	*Bushels* 114	*Bushels* 116	*Bushels* 121	*Bushels* 106
New England	222	188	225	248	234	172	247	203	196	242
Maine	126	127	161	181	172	209	290	232	220	277
New Hampshire	17	11	12	12	11	133	165	150	138	166
Vermont	26	20	21	21	19	131	155	155	142	150
Massachusetts	25	13	14	15	14	116	155	100	108	133
Rhode Island	5	3	2	2	2	123	150	110	122	125
Connecticut	23	14	15	17	16	106	155	109	130	130
Middle Atlantic	731	496	547	587	554	91	118	117	125	102
New York	378	248	270	284	270	95	117	106	114	92
New Jersey	86	50	57	57	50	94	145	161	100	121
Pennsylvania	267	198	220	246	234	84	112	120	130	110
East North Central	1,056	695	782	838	717	95	109	89	112	83
Ohio	192	107	116	123	116	83	94	105	98	96
Indiana	80	48	53	61	55	81	80	95	109	84
Illinois	137	61	64	70	63	73	80	84	110	80
Michigan	350	249	289	306	263	101	120	80	117	70
Wisconsin	288	230	260	278	220	108	118	92	115	92
West North Central	800	718	777	887	819	82	87	100	111	78
Minnesota	238	298	328	354	312	107	100	101	110	83
Iowa	168	74	75	81	75	78	79	82	135	102
Missouri	94	81	68	85	81	64	80	83	121	68
North Dakota	50	94	113	141	145	97	80	102	105	48
South Dakota	57	55	60	67	67	76	60	115	90	66
Nebraska	116	73	84	105	92	64	73	106	96	97
Kansas	77	43	49	54	47	66	91	110	140	93
South Atlantic	255	355	378	449	375	83	96	123	123	116
Delaware	11	6	6	7	7	89	86	119	94	78
Maryland	40	39	43	47	40	84	90	122	115	100
Virginia	96	124	130	151	132	88	94	152	143	132
West Virginia	45	47	52	60	57	86	106	113	125	115
North Carolina	31	67	72	95	74	75	94	102	111	110
South Carolina	10	29	29	36	22	83	111	105	113	107
Georgia	12	19	17	22	20	79	63	77	76	79
Florida	10	24	29	31	23	89	118	105	125	118
East South Central	117	123	136	153	131	75	82	85	98	89
Kentucky	53	47	52	57	50	75	96	91	105	88
Tennessee	30	35	39	43	39	70	78	88	95	92
Alabama	15	29	33	38	28	81	70	75	74	86
Mississippi	10	12	12	15	14	85	71	78	89	87
West South Central	127	141	150	179	137	61	64	66	74	76
Arkansas	27	32	29	36	31	70	60	68	75	87
Louisiana	22	36	41	41	31	68	61	65	70	64
Oklahoma	31	43	45	63	44	54	67	65	80	75
Texas	47	30	35	39	31	55	70	66	69	77
Mountain	189	249	298	318	270	129	145	168	139	141
Montana	29	35	36	37	33	151	85	135	115	60
Idaho	31	91	115	116	102	175	178	212	170	168
Wyoming	10	13	17	21	19	116	112	137	112	110
Colorado	85	82	96	110	88	101	145	160	122	140
New Mexico	9	2	2	2	2	76	83	75	66	91
Arizona	1	4	4	3	3	95	55	80	74	80
Utah	16	17	22	23	18	165	145	135	144	185
Nevada	8	5	6	6	5	166	140	130	140	170
Pacific	180	155	188	178	133	139	143	151	132	133
Washington	60	67	79	70	56	150	160	170	135	155
Oregon	49	45	52	52	42	137	100	120	120	90
California	71	43	52	56	35	129	161	153	138	150

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

of potatoes, 60 pounds

Production					Farm value, Dec. 1					Division and State
					Amount					
1909-1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (preliminary)	Per bushel, 1929	
1,000 bushels 357,699	*1,000 bushels* 354,458	*1,000 bushels* 402,741	*1,000 bushels* 465,350	*1,000 bushels* 357,451	*1,000 dollars* 501,186	*1,000 dollars* 388,741	*1,000 dollars* 249,450	*1,000 dollars* 469,701	*Cents* 131.4	U. S.
38,198	46,380	45,662	48,533	56,512	64,753	43,547	23,455	71,916	127.3	New Eng.
26,485	36,830	37,352	39,820	47,644	48,984	31,749	15,928	57,173	120	Me.
2,298	1,815	1,800	1,656	1,826	3,086	2,520	1,325	2,922	160	N. H.
3,422	3,100	3,255	2,982	2,850	4,340	4,069	2,535	4,275	150	Vt.
2,933	2,015	1,400	1,620	1,802	3,627	2,170	1,458	3,352	180	Mass.
614	450	220	244	250	810	341	220	450	180	R. I.
2,476	2,170	1,635	2,210	2,080	3,906	2,698	1,989	3,744	180	Conn.
66,557	58,442	64,197	73,478	56,612	95,363	77,550	46,391	86,853	153.4	Mid. Atl.
36,024	29,016	28,020	32,376	24,840	46,426	35,775	21,044	36,018	145	N. Y.
8,141	7,250	9,177	9,120	6,032	11,238	10,095	4,560	9,651	160	N. J.
22,392	22,176	26,400	31,980	25,740	37,699	31,680	20,787	41,184	160	Pa.
99,847	75,798	69,631	94,175	69,446	100,399	67,476	44,210	79,303	133.4	E. N. Cen.
16,090	10,058	12,180	12,054	11,136	17,099	14,616	9,040	17,261	155	Ohio.
7,322	3,840	5,035	6,649	4,620	6,336	5,538	4,654	6,930	150	Ind.
9,999	4,880	5,376	7,700	5,010	8,540	6,182	5,005	7,812	155	Ill.
35,289	29,580	23,120	35,802	18,410	35,856	20,808	14,321	23,012	125	Mich.
31,147	27,140	23,920	31,970	20,240	32,568	20,332	11,190	24,288	120	Wis.
65,903	62,188	77,642	98,635	63,735	84,673	54,144	38,726	73,421	115.2	W. N. Cen.
25,676	20,800	33,128	38,940	25,896	34,270	19,877	11,682	25,896	100	Minn.
13,311	5,846	6,150	10,935	7,650	9,938	6,150	5,577	10,710	140	Iowa.
6,107	5,480	5,644	10,285	5,508	11,016	6,491	6,171	8,262	150	Mo.
4,875	7,520	11,526	14,805	6,960	9,024	5,703	4,412	7,308	105	N. Dak.
4,328	3,300	6,900	6,030	4,422	5,247	3,795	2,412	5,085	115	S. Dak.
7,339	5,329	8,904	10,080	8,924	8,526	6,678	5,040	9,816	110	Nebr.
4,267	3,913	5,390	7,560	4,375	6,652	5,390	3,402	6,344	145	Kans.
21,216	34,237	46,347	55,351	43,332	56,636	63,714	37,249	56,815	131.1	S. Atl.
962	516	714	658	546	722	571	494	874	160	Del.
3,328	3,510	5,216	5,405	4,000	4,914	5,508	2,702	4,800	120	Md.
7,984	11,656	19,760	21,618	17,461	16,318	25,088	10,809	21,826	125	Va.
3,916	4,982	5,876	7,500	6,555	8,320	7,345	6,000	9,177	140	W. Va.
2,349	6,325	7,368	10,545	8,130	10,120	11,052	6,854	9,756	120	N. C.
813	3,219	3,034	4,068	2,354	5,472	5,765	2,644	3,296	140	S. C.
946	1,197	1,304	1,682	1,572	2,274	2,152	1,934	2,201	140	Ga.
918	2,832	3,045	3,875	2,714	8,496	5,633	5,812	4,885	180	Fla.
8,782	10,124	11,575	14,212	11,615	16,671	16,041	12,450	16,166	139.2	S. Cen.
4,005	4,512	4,732	5,985	4,400	6,994	6,152	4,788	5,940	135	Ky.
2,722	2,730	3,432	4,086	3,585	4,286	4,633	3,677	4,840	135	Tenn.
1,243	2,030	2,475	2,812	2,408	3,857	3,712	2,390	3,492	145	Ala.
812	852	936	1,329	1,222	1,534	1,544	1,595	1,894	155	Miss.
7,717	9,076	9,872	13,293	10,361	16,786	16,432	11,498	14,515	140.1	W. S. Cen.
1,920	1,920	1,972	2,700	2,697	3,552	2,958	2,160	3,776	140	Ark.
1,521	2,196	2,665	2,870	1,977	4,172	4,397	2,870	2,867	145	La.
1,672	2,860	2,925	5,038	3,294	4,862	5,265	3,778	4,282	130	Okla.
2,604	2,100	2,310	2,690	2,393	4,200	3,812	2,690	3,590	150	Tex.
24,376	36,070	50,189	44,253	38,128	42,083	29,541	21,355	45,484	119.3	Mountain.
4,323	2,975	4,860	4,255	1,980	3,570	3,159	2,340	3,366	170	Mont.
5,410	16,198	24,380	19,720	17,136	17,008	13,409	8,874	20,563	120	Idaho.
1,164	1,456	2,329	2,352	2,090	1,820	1,630	1,520	2,717	130	Wyo.
8,557	11,890	14,400	13,420	12,320	15,457	7,920	6,039	13,552	110	Colo.
687	166	150	132	182	290	180	125	273	150	N. Mex.
95	220	320	222	240	440	352	244	408	170	Ariz.
2,745	2,465	2,970	3,312	3,330	2,588	2,228	1,490	3,330	100	Utah.
1,395	700	780	840	850	910	663	714	1,275	150	Nev.
25,103	22,143	27,628	23,418	17,710	23,822	20,293	14,116	25,228	142.5	Pacific.
9,074	10,720	13,430	9,450	8,680	10,184	8,058	4,725	12,586	145	Wash.
6,851	4,500	6,240	6,240	3,780	4,500	4,680	4,368	5,292	140	Oreg.
9,178	6,923	7,956	7,728	5,250	9,138	7,558	5,023	7,350	140	Calif.

No. 667.—SWEET POTATOES AND TOBACCO: AREA,

NOTE.—Weight of a bushel of

SWEET POTATOES

State	Acres					Yield per acre				
	1909–1913, average	1926	1927	1928	1929 (preliminary)	1909–1913, average	1926	1927	1928	1929 (preliminary)
United States	*Thousands* 619	*Thousands* 819	*Thousands* 933	*Thousands* 810	*Thousands* 822	*Bushels* 93	*Bushels* 101	*Bushels* 101	*Bushels* 96	*Bushels* 103
New Jersey	23	17	15	15	15	130	145	126	145	140
Pennsylvania	1					109				
Ohio	1	3	3	3	3	106	105	133	120	125
Indiana	1	3	2	2	2	103	110	112	116	125
Illinois	9	13	10	10	10	95	110	103	98	102
Iowa	2	3	3	3	3	97	103	90	123	105
Missouri	7	10	12	11	12	85	112	112	105	110
Kansas	5	4	3	2	2	84	129	136	130	120
Delaware	5	9	8	7	8	127	139	110	140	145
Maryland	8	11	11	10	10	121	165	144	150	125
Virginia	36	43	43	44	45	108	125	135	144	149
West Virginia	2	3	2	2	2	103	110	110	102	120
North Carolina	80	84	89	80	78	96	90	114	98	117
South Carolina	49	47	53	49	50	93	80	100	86	115
Georgia	83	110	132	119	124	87	86	80	86	95
Florida	21	28	29	28	29	109	100	92	88	110
Kentucky	10	17	16	14	15	87	120	93	89	91
Tennessee	23	50	48	41	44	85	123	98	95	100
Alabama	67	65	78	70	74	91	100	98	93	103
Mississippi	55	55	60	55	50	91	104	112	110	130
Arkansas	20	34	38	28	26	85	108	116	90	66
Louisiana	59	79	99	74	80	88	90	98	90	93
Oklahoma	5	24	23	20	15	74	105	106	89	96
Texas	42	92	133	109	104	66	93	90	76	71
California	5	12	12	12	10	157	97	90	96	99
Other States		3	2	2	2		145	111	130	132

TOBACCO

United States	*Thousands* 1,223	*Thousands* 1,656	*Thousands* 1,585	*Thousands* 1,394	*Thousands* 2,016	*Pounds* 817	*Pounds* 784	*Pounds* 765	*Pounds* 728	*Pounds* 744
Massachusetts	6	6	7	8	7	1,646	1,448	1,223	1,245	1,450
Connecticut	17	22	24	25	21	1,651	1,340	1,223	1,190	1,316
New York	4	1	1	1	1	1,215	1,100	1,200	1,275	1,000
Pennsylvania	43	33	34	37	39	1,311	1,320	1,360	1,340	1,230
Ohio	94	44	30	40	52	866	846	819	795	768
Indiana	22	15	8	14	21	858	884	760	820	775
Wisconsin	40	29	31	37	37	1,190	1,150	1,070	1,300	1,220
Minnesota				1	2				1,200	1,200
Missouri	6	5	4	4	4	877	950	1,100	1,100	900
Maryland	27	31	32	31	32	707	840	818	660	800
Virginia	185	189	177	181	170	745	725	723	580	696
West Virginia	18	10	4	7	8	741	850	775	750	775
North Carolina	198	565	659	728	764	640	684	737	636	665
South Carolina	30	85	104	148	133	740	668	737	556	624
Georgia	2	52	82	122	110	822	770	725	690	817
Florida	3	6	9	12	12	834	968	935	768	900
Kentucky	430	426	290	388	473	813	842	697	775	705
Tennessee	95	136	88	109	129	786	781	780	737	704
Louisiana	3	1	1	1	1		400	400	405	378

Source: Bureau of Agricultural Economics, Department of Agriculture.

Production, and Farm Value, by States

sweet potatoes, 54 pounds

SWEET POTATOES

Production					Farm value, Dec. 1					
					Amount				Per bushel, 1929	
1909–1913, average	1926	1927	1928	1929 (preliminary)	1926	1927	1928	1929 (prel.)		State
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
57,355	82,703	94,112	77,661	84,661	78,958	77,615	71,096	80,015	94.5	U. S.
2,995	2,465	1,890	2,175	2,100	2,958	2,268	2,610	2,940	140	N. J.
109										Pa.
106	315	399	360	375	472	559	486	544	145	Ohio.
103	330	224	232	250	478	302	302	338	135	Ind.
851	1,430	1,030	980	1,020	1,930	1,184	1,078	1,326	130	Ill.
193	309	270	309	315	618	405	572	536	170	Iowa.
607	1,120	1,344	1,155	1,320	1,456	1,613	1,213	1,584	120	Mo.
421	516	408	260	240	697	449	286	324	135	Kans.
635	1,251	880	980	1,160	813	616	784	1,044	90	Del.
970	1,815	1,584	1,500	1,250	1,361	1,109	1,200	1,125	90	Md.
3,497	5,375	5,805	6,336	6,705	5,375	4,934	4,435	6,034	90	Va.
207	330	220	204	240	528	308	286	384	160	W. Va.
7,702	7,560	10,146	7,840	9,126	7,560	8,117	6,664	8,213	90	N. C.
4,594	3,760	5,300	4,214	5,750	3,760	4,240	3,582	4,888	85	S. C.
7,206	9,460	10,560	10,234	11,780	7,568	7,920	8,699	9,424	80	Ga.
2,323	2,800	2,668	2,464	3,190	3,500	2,268	2,834	3,350	105	Fla.
870	2,040	1,488	1,246	1,365	2,203	1,786	1,423	1,638	120	Ky.
1,948	6,150	4,704	3,895	4,400	4,305	3,998	3,700	4,180	95	Tenn.
6,023	6,500	7,644	6,510	7,622	5,525	6,497	5,859	6,860	90	Ala.
5,028	5,720	7,728	6,050	7,670	5,434	6,182	5,445	6,136	80	Miss.
1,731	3,672	4,408	2,520	1,716	3,488	3,526	2,268	1,973	115	Ark.
5,237	7,110	9,702	6,660	7,440	6,399	6,791	5,661	6,324	85	La.
350	2,520	2,438	1,780	990	2,520	1,950	1,691	1,138	115	Okla.
2,798	8,556	11,970	8,284	7,384	8,128	8,978	8,284	7,753	105	Tex.
851	1,164	1,080	1,152	990	1,280	1,242	1,267	1,436	145	Calif.
	435	222	261	263	600	373	457	523	199	Other States.

TOBACCO

1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents per lb.*[1]	
996,049	1,267,889	1,211,909	1,374,547	1,500,891	236,702	256,882	277,508	285,583	19.0	U. S.
9,374	9,412	8,683	9,462	10,730	3,294	3,099	3,227	4,764	44.4	Mass.
27,995	29,346	28,985	29,750	27,636	10,447	10,621	11,067	13,901	50.3	Conn.
4,892	1,320	960	1,020	800	251	173	197	152	19.0	N. Y.
56,333	43,560	46,240	49,580	47,601	4,574	6,011	6,941	8,521	17.9	Pa.
81,918	37,389	24,652	32,198	39,782	3,776	4,531	7,084	7,041	17.7	Ohio.
19,164	12,995	6,384	11,234	15,965	1,261	1,403	2,696	3,033	19.0	Ind.
47,984	33,350	33,170	48,100	45,140	4,602	5,315	7,023	7,222	16.0	Wis.
			1,200	1,800			144	270	15.0	Minn.
5,467	4,750	4,400	4,400	4,050	712	968	1,258	1,012	25.0	Mo.
18,800	26,040	26,176	20,460	25,600	6,171	6,020	5,586	6,016	23.5	Md.
137,529	137,032	127,971	104,864	118,320	24,118	22,828	16,778	20,706	17.5	Va.
13,024	8,500	3,488	5,100	6,588	1,114	855	1,367	1,647	25.0	W. Va.
126,204	386,460	485,683	499,408	508,060	102,025	106,650	97,385	93,991	18.5	N. C.
21,727	56,780	76,648	82,288	82,992	13,230	15,713	10,451	13,279	16.0	S. C.
1,306	39,963	59,088	84,387	89,870	9,591	11,440	11,139	16,806	18.7	Ga.
2,854	5,808	8,228	9,216	11,070	2,195	2,865	2,682	3,454	31.2	Fla.
349,263	358,568	202,269	300,700	361,845	38,908	42,349	75,175	65,856	18.2	Ky.
69,887	106,216	68,484	80,775	102,664	11,153	14,661	17,124	17,761	17.3	Tenn.
2,308	400	400	405	378	180	180	182	151	40.0	La.

[1] Estimated season average price based on sales to Dec. 1, 1929.

No. 668.—TAME HAY: Area, Production, and Farm Value, by States

Note.—Tons are of 2,000 pounds

Division and State	Acres			Yield per acre			Production			Farm value, Dec. 1, 1929 (preliminary)	
	1927	1928	1929 (preliminary)	1927	1928	1929 (preliminary)	1927	1928	1929 (preliminary)	Amount	Per ton
	Thousands	*Thousands*	*Thousands*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 dollars*	*Dollars*
United States	60,885	58,140	60,996	1.74	1.61	1.67	106,001	93,351	101,715	1,244,256	12.23
New England	3,501	3,465	3,459	1.37	1.46	1.46	4,779	5,064	5,043	67,686	13.42
Maine	1,247	1,235	1,221	1.22	1.28	1.30	1,526	1,583	1,582	17,402	11.00
New Hampshire	463	459	461	1.27	1.41	1.44	588	647	663	8,950	13.50
Vermont	922	914	914	1.53	1.62	1.67	1,407	1,480	1,528	16,808	11.00
Massachusetts	466	460	466	1.45	1.56	1.48	674	717	692	13,286	19.20
Rhode Island	44	43	43	1.34	1.56	1.44	59	67	62	1,364	22.00
Connecticut	359	354	354	1.46	1.61	1.46	525	570	516	9,856	19.10
Middle Atlantic	8,182	7,768	7,743	1.57	1.48	1.46	12,835	11,528	11,295	143,968	12.75
New York	4,850	4,597	4,629	1.51	1.40	1.44	7,311	6,439	6,653	81,167	12.20
New Jersey	257	247	242	1.79	1.83	1.50	461	453	362	6,733	18.60
Pennsylvania	3,075	2,924	2,872	1.65	1.59	1.49	5,063	4,636	4,280	56,068	13.10
East North Central	15,202	13,869	15,207	1.65	1.41	1.74	25,149	19,598	26,492	279,702	10.56
Ohio	3,139	2,780	3,056	1.64	1.33	1.64	5,152	3,698	5,009	50,090	10.00
Indiana	2,027	1,864	2,163	1.47	1.37	1.63	2,980	2,558	3,517	35,522	10.10
Illinois	3,556	3,115	3,557	1.49	1.32	1.56	5,286	4,108	5,554	62,760	11.30
Michigan	3,036	2,832	2,989	1.56	1.51	1.68	4,745	4,277	5,022	53,735	10.70
Wisconsin	3,444	3,278	3,442	2.03	1.51	2.15	6,986	4,957	7,390	77,595	10.50
West North Central	14,692	14,018	15,053	1.91	1.89	1.72	28,079	23,685	25,957	272,824	10.51
Minnesota	2,454	2,355	2,499	2.07	1.81	1.78	5,080	4,269	4,457	47,244	10.60
Iowa	3,135	2,880	3,286	1.66	1.48	1.93	5,197	4,276	6,342	69,762	11.00
Missouri	3,553	3,571	3,899	1.46	1.28	1.34	5,197	4,567	5,211	54,194	10.40
North Dakota	1,040	1,080	1,304	1.87	1.88	1.17	1,944	2,028	1,529	12,996	8.50
South Dakota	1,105	1,086	1,151	2.06	1.52	1.70	2,271	1,655	1,955	17,008	8.70
Nebraska	1,727	1,550	1,532	2.40	2.16	2.33	4,145	3,351	3,572	37,506	10.50
Kansas	1,678	1,496	1,382	2.53	2.37	2.09	4,245	3,539	2,891	34,114	11.80
South Atlantic	4,576	4,499	4,298	1.17	1.16	1.13	5,349	5,212	4,860	77,344	15.91
Delaware	80	81	81	1.78	1.70	1.44	142	138	117	2,048	17.50
Maryland	443	430	420	1.65	1.75	1.54	733	754	648	8,878	13.70
Virginia	1,077	1,063	1,037	1.37	1.37	1.32	1,472	1,451	1,373	21,282	15.50
West Virginia	831	814	805	1.52	1.45	1.43	1,259	1,183	1,149	17,350	15.10
North Carolina	806	797	813	.94	.95	.95	761	756	776	13,813	17.80
South Carolina	441	434	365	.80	.87	.86	353	376	313	6,010	19.20
Georgia	803	792	691	.70	.62	.61	565	490	423	6,895	16.30
Florida	95	88	86	.67	.73	.71	64	64	61	1,068	17.50
East South Central	3,776	3,563	3,747	1.26	1.22	1.26	4,745	4,359	4,708	77,510	16.46
Kentucky	1,318	1,244	1,243	1.42	1.31	1.42	1,871	1,631	1,763	27,679	15.70
Tennessee	1,352	1,271	1,472	1.30	1.33	1.31	1,762	1,690	1,933	33,828	17.50
Alabama	615	590	590	.84	.77	.77	517	457	453	7,339	16.20
Mississippi	491	458	442	1.21	1.27	1.26	595	581	559	8,664	15.50
West South Central	2,116	2,135	2,214	1.29	1.26	1.18	2,736	2,681	2,576	36,413	14.14
Arkansas	643	625	603	1.14	1.09	1.05	730	683	631	10,096	16.00
Louisiana	278	297	285	1.28	1.43	1.14	356	424	326	4,434	13.60
Oklahoma	566	576	668	1.59	1.46	1.31	901	841	875	11,988	13.70
Texas	629	637	658	1.19	1.15	1.13	749	733	744	9,895	13.30
Mountain	5,361	5,358	5,616	2.39	2.23	2.10	12,808	11,939	11,796	144,159	12.22
Montana	1,274	1,294	1,446	2.12	1.98	1.42	2,706	2,558	2,050	25,420	12.40
Idaho	1,014	1,047	1,095	3.11	2.53	2.51	3,151	2,645	2,751	29,711	10.80
Wyoming	685	681	693	1.78	1.80	1.73	1,219	1,224	1,196	14,591	12.20
Colorado	1,225	1,187	1,203	2.17	2.08	2.23	2,658	2,467	2,677	30,786	11.50
New Mexico	196	186	197	2.21	2.19	2.27	434	407	447	8,091	18.10
Arizona	192	185	193	3.50	3.77	3.52	672	697	679	12,222	18.00
Utah	567	570	578	2.60	2.46	2.60	1,474	1,400	1,500	15,600	10.40
Nevada	208	208	211	2.38	2.60	2.35	494	541	496	7,738	15.60
Pacific	3,479	3,465	3,659	2.74	2.68	2.46	9,521	9,285	8,988	144,670	16.10
Washington	932	906	945	2.49	2.36	1.98	2,317	2,140	1,875	31,500	16.80
Oregon	898	905	931	2.28	2.26	2.08	2,048	2,041	1,935	28,251	14.60
California	1,649	1,654	1,783	3.13	3.09	2.90	5,156	5,104	5,178	84,919	16.40

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 669.—WILD HAY: Area, Production, and Farm Value, by States

NOTE.—Tons are of 2,000 pounds

Division and State	Acres			Yield per acre			Production			Farm value, Dec. 1, 1929 (preliminary)	
	1927	1928	1929 (preliminary)	1927	1928	1929 (preliminary)	1927	1928	1929 (preliminary)	Amount	Per ton
United States	*Thousands* 14,813	*Thousands* 13,138	*Thousands* 14,125	*Tons* 1.17	*Tons* 0.98	*Tons* 0.91	*1,000 tons* 17,326	*1,000 tons* 12,915	*1,000 tons* 12,924	*1,000 dollars* 104,797	*Dollars* 8.11
New England	69	66	66	1.03	1.20	1.06	71	79	70	714	10.20
Maine	13	13	13	.95	1.05	1.10	12	14	14	123	8.80
New Hampshire	17	16	16	1.00	1.15	1.00	17	18	16	141	8.80
Vermont	13	13	13	1.10	1.30	1.10	14	17	14	111	7.90
Massachusetts	13	12	12	1.00	1.25	1.10	13	15	13	156	12.00
Rhode Island	2	2	2	1.00	1.10	1.15	2	2	2	30	15.00
Connecticut	11	10	10	1.20	1.30	1.10	13	13	11	153	13.90
Middle Atlantic	100	99	99	1.26	1.23	1.30	126	122	129	1,180	9.15
New York	68	68	68	1.14	1.09	1.25	78	74	85	731	8.60
New Jersey	17	16	17	1.50	1.65	1.50	26	26	26	260	10.35
Pennsylvania	15	15	14	1.45	1.45	1.30	22	22	18	180	10.00
East North Central	307	313	310	1.41	1.30	1.41	434	406	437	3,212	7.35
Ohio	5	7	6	1.45	1.13	1.50	7	8	9	56	6.20
Indiana	21	20	16	1.25	1.15	1.40	26	23	22	178	8.10
Illinois	34	41	37	1.40	1.12	1.30	48	46	48	470	9.80
Michigan	42	38	40	1.33	1.31	1.57	56	50	63	472	7.50
Wisconsin	205	207	211	1.45	1.35	1.40	297	279	295	2,036	6.90
West North Central	10,668	9,336	10,213	1.19	.95	.88	12,657	8,886	8,946	64,301	7.19
Minnesota	1,884	1,809	1,827	1.50	1.20	1.10	2,826	2,171	2,010	14,874	7.40
Iowa	281	264	280	1.27	1.16	1.35	357	306	378	3,289	8.70
Missouri	130	143	157	1.35	1.10	1.00	176	157	157	1,130	7.20
North Dakota	1,360	1,210	1,367	1.25	1.12	.70	1,700	1,355	957	6,316	6.60
South Dakota	3,010	2,107	2,634	1.10	.60	.65	3,311	1,264	1,712	12,155	7.10
Nebraska	3,056	2,903	3,048	1.00	.87	.87	3,056	2,526	2,652	19,625	7.40
Kansas	947	900	900	1.30	1.23	1.20	1,231	1,107	1,080	6,912	6.40
South Atlantic	122	119	116	1.11	1.13	1.10	135	134	128	1,692	13.22
Delaware	3	2	2	1.60	1.60	1.70	5	3	3	21	7.00
Maryland	3	3	3	1.40	1.68	1.45	4	5	4	41	10.30
Virginia	23	21	21	1.25	1.33	1.30	29	28	27	346	12.80
West Virginia	12	12	12	1.50	1.33	1.20	18	16	14	179	12.80
North Carolina	52	52	52	1.10	1.15	1.15	57	60	60	828	13.80
South Carolina	3	6	3	.68	.60	.85	2	4	3	46	15.20
Georgia	22	19	19	.78	.80	.75	17	15	14	183	13.10
Florida	4	4	4	.75	.85	.70	3	3	3	48	16.00
East South Central	139	165	132	1.13	1.16	1.05	157	192	139	1,645	11.83
Kentucky	32	58	29	1.40	1.40	1.35	45	81	39	437	11.20
Tennessee	50	50	48	1.20	1.20	1.10	60	60	53	636	12.00
Alabama	22	22	18	.75	.75	.80	16	16	14	192	13.70
Mississippi	35	35	37	1.02	1.00	.90	36	35	33	380	11.50
West South Central	948	860	970	.99	.97	.91	937	836	882	7,899	8.96
Arkansas	146	131	151	1.00	.85	.80	146	111	121	1,319	10.90
Louisiana	18	18	22	1.00	1.38	1.20	18	25	26	255	9.80
Oklahoma	565	492	556	.98	1.00	.88	554	492	489	3,668	7.50
Texas	219	219	241	1.00	.95	1.02	219	208	246	2,657	10.80
Mountain	2,048	1,764	1,808	1.12	.99	.95	2,287	1,752	1,714	18,756	10.94
Montana	865	606	636	1.15	.90	.75	995	545	477	5,342	11.20
Idaho	101	101	101	1.60	1.20	1.20	162	121	121	1,041	8.60
Wyoming	409	401	401	1.10	1.05	.95	450	421	381	4,534	11.90
Colorado	396	376	387	1.00	.90	1.10	396	338	426	4,388	10.30
New Mexico	30	33	34	1.00	.90	.90	30	30	31	450	14.50
Arizona	10	10	10	1.00	.50	1.00	10	5	10	135	13.50
Utah	77	77	79	1.30	1.30	1.60	100	100	126	1,134	9.00
Nevada	160	160	158	.90	1.20	.90	144	192	142	1,732	12.20
Pacific	412	416	413	1.27	1.22	1.16	522	508	479	5,398	11.27
Washington	30	31	28	1.75	1.50	1.40	52	46	39	530	13.60
Oregon	235	235	235	1.25	1.20	1.20	294	282	282	3,130	11.10
California	147	150	150	1.20	1.20	1.05	176	180	158	1,738	11.00

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 670.—MINOR CROPS: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Totals for grain sorghum, beans, and broomcorn are for principal producing States only, including for beans a few States not shown separately. Farm values are for the most part as of Dec. 1. The number of pounds to a bushel are as follows: Flaxseed, 56; grain sorghums, approximately, 56; beans, 60

Crop and State	Acres				Yield per acre				Production				Average farm price, 1929 [1]
	1926	1927	1928	1929 [1]	1926	1927	1928	1929 [1]	1926	1927	1928	1929 [1]	
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Cents per bush.*
Flaxseed, total	2,907	2,837	2,675	2,990	6.7	9.1	7.4	5.6	19,335	25,847	19,928	16,838	284
Wisconsin	11	10	9	7	12.0	13.2	13.5	12.0	132	132	122	84	270
Minnesota	814	757	726	523	9.4	9.7	7.3	9.0	7,652	7,343	5,808	4,707	287
Iowa	15	19	19	11	11.6	12.0	10.4	11.3	174	228	198	124	275
North Dakota	1,380	1,242	1,143	1,463	5.5	8.2	8.0	4.7	7,590	10,184	8,344	6,876	287
South Dakota	475	594	554	637	5.8	10.0	6.5	5.9	2,755	5,940	3,601	3,758	280
Nebraska	7	7	8	17	8.7	10.0	8.0	7.6	61	70	64	129	280
Kansas	38	31	25	23	6.9	5.5	6.9	5.9	262	170	172	136	234
Montana	165	170	183	293	4.2	10.2	8.5	3.2	693	1,734	1,556	938	280
Other States	[2] 2	[2] 7	8	16	[2] 8.0	[2] 6.5	7.9	5.4	[2] 16	[2] 46	63	86	271
Grain sorghums, [3] total	6,690	6,723	6,497	5,921	20.6	20.4	21.9	17.0	137,515	137,358	142,513	100,845	71
Missouri	94	113	99	89	18.0	24.0	22.0	17.0	1,692	2,712	2,178	1,513	100
Nebraska	22	30	24	22	10.6	23.5	20.2	17.1	233	705	485	376	100
Kansas	1,345	1,547	1,284	1,091	15.0	21.0	22.3	18.0	20,175	32,487	28,633	19,638	70
Oklahoma	1,817	1,744	1,709	1,384	19.0	20.0	18.0	14.8	34,523	34,880	30,762	20,483	65
Texas	2,854	2,654	2,760	2,760	25.0	21.0	25.0	17.0	71,350	55,734	69,000	46,920	70
Colorado	227	284	256	205	5.0	10.0	10.5	11.0	1,135	2,840	2,688	2,255	80
New Mexico	195	171	188	203	21.0	14.0	18.0	22.0	4,095	2,394	3,384	4,466	65
Arizona	40	50	52	52	31.0	31.0	29.0	30.0	1,240	1,550	1,508	1,560	95
California	96	130	125	115	32.0	31.2	31.0	31.6	3,072	4,056	3,875	3,634	100
Beans, dry, total	1,677	1,569	1,641	1,877	10.6	10.3	10.3	10.3	17,707	16,171	17,647	19,329	377
New York	97	75	89	100	11.8	13.0	14.5	12.5	1,145	975	1,160	1,250	445
Michigan	552	566	538	694	12.0	8.5	11.0	8.2	6,624	4,811	5,918	5,691	370
Montana	43	32	40	50	10.0	20.0	14.5	10.5	430	640	580	525	360
Idaho	54	72	86	92	18.5	23.7	19.0	23.0	999	1,706	1,634	2,116	275
Wyoming	16	17	24	26	12.5	18.0	15.0	18.5	200	306	360	481	310
Colorado	378	281	309	294	3.6	5.5	4.5	6.5	1,361	1,546	1,390	1,911	270
New Mexico	195	195	214	225	4.3	5.0	4.0	7.5	838	975	856	1,688	260
California	305	296	307	334	18.8	16.3	17.3	15.2	5,734	4,825	5,325	5,075	495
					Lbs.	*Lbs.*	*Lbs.*	*Lbs.*	*Tons*	*Tons*	*Tons*	*Tons*	*Dolls. per ton*
Broomcorn, total	306	237	293	284	356	338	363	308	54,400	40,000	54,100	43,800	132
Illinois	40	28	21	21	420	380	440	425	8,400	5,300	4,600	4,500	175
Missouri	3	3	4	4	250	400	430	380	400	600	900	800	100
Kansas	31	27	43	42	327	375	450	340	5,100	5,100	9,700	7,100	115
Oklahoma	158	112	131	115	375	349	350	262	29,600	19,500	22,900	15,100	120
Texas	15	10	9	7	410	260	311	350	3,100	1,300	1,400	1,200	112
Colorado	30	35	52	55	225	330	360	330	3,400	5,800	9,400	9,100	112
New Mexico	29	22	38	40	300	220	272	300	4,400	2,400	5,200	6,000	115
									1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Cents per lb.*
Peanuts, [4] total	843	1,142	1,211	1,328	750	757	706	701	631,825	864,549	855,096	930,700	3.7
Virginia	138	152	152	160	990	810	928	913	136,620	123,120	141,056	146,080	3.9
North Carolina	180	211	205	220	1,030	954	1,050	1,020	185,400	201,294	215,250	224,400	4.0
South Carolina	8	11	10	10	675	775	690	735	5,400	8,525	6,900	7,350	3.4
Georgia	211	304	350	343	525	725	540	650	110,775	220,400	189,000	222,950	3.4
Florida	39	44	44	46	680	640	575	600	26,520	28,160	25,300	27,600	3.5
Tennessee	20	20	18	20	900	850	800	820	18,000	17,000	14,400	16,400	3.3
Alabama	140	230	225	260	570	680	560	550	79,800	156,400	117,600	143,000	3.0
Mississippi	8	9	10	10	650	725	600	640	5,200	6,525	6,000	6,400	6.5
Arkansas	10	11	12	18	675	800	720	575	6,750	8,800	8,640	10,350	5.9
Louisiana	10	13	12	16	552	625	450	595	5,520	8,125	5,400	9,520	6.6
Oklahoma	8	20	47	80	800	800	750	570	6,400	16,000	35,250	45,600	3.9
Texas	71	117	126	145	640	600	650	490	45,440	70,200	81,900	71,050	3.7

[1] Preliminary. [2] One State only. [3] For all purposes. [4] For nuts.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 671.—ORCHARD CROPS: PRODUCTION, TOTAL AND IN LEADING STATES

NOTE.—The approximate number of pounds to a bushel are as follows: Apples, 45; peaches, 48; pears, 50

[In thousands of bushels]

State	1909	1919	1927	1928	1929
APPLES					
U. S	145,412	136,561	123,693	186,893	139,754
Me	3,636	4,829	2,236	1,400	3,360
N. H	1,108	1,364	1,100	1,000	974
Vt	1,460	960	990	560	1,029
Mass	2,550	3,187	2,520	2,700	2,650
Conn	1,541	1,395	1,045	1,500	990
N. Y	25,409	14,350	13,600	21,900	16,520
N. J	1,407	1,666	2,697	3,290	1,880
Pa	11,048	5,513	6,300	8,460	5,973
Ohio	4,664	2,976	5,600	5,880	2,660
Ind	2,759	926	1,249	2,520	1,170
Ill	3,093	4,673	4,450	7,150	4,725
Mich	12,332	5,843	4,288	5,400	7,020
Wis	2,232	1,306	1,200	2,160	1,749
Minn	1,044	1,028	854	1,230	726
Iowa	6,747	1,810	1,720	2,740	2,120
Mo	9,259	5,132	2,104	3,380	2,800
Nebr	3,321	907	850	470	868
Kans	1,356	1,749	1,925	820	1,310
Del	183	606	1,150	1,520	1,012
Md	1,823	1,519	1,700	2,190	2,200
Va	6,104	8,943	6,600	16,100	13,000
W. Va	4,225	4,189	5,000	8,750	5,600
N. C	4,776	1,938	1,825	5,040	2,628
Ga	896	417	595	1,400	680
Ky	7,368	1,281	720	5,700	2,000
Tenn	4,640	1,259	1,152	3,790	2,000
Ala	888	577	328	885	500
Ark	2,296	7,164	1,015	2,200	1,400
Okla	742	1,597	493	350	634
Idaho	660	3,646	6,000	5,500	5,500
Colo	3,559	3,418	2,592	3,020	2,460
N. Mex	417	939	456	675	1,035
Utah	350	760	660	880	500
Wash	2,672	21,569	25,343	33,500	26,656
Oreg	1,931	6,921	4,320	7,600	4,000
Calif	4,935	7,842	7,458	13,105	7,700
Other States	1,978	2,360	1,558	2,128	1,725
PEACHES					
U. S	35,470	50,686	145,463 [1]	68,369	45,998
N. Y	1,736	1,262	1,140	2,400	1,470
N. J	441	1,653	2,304	1,625	2,600
Pa	1,024	1,100	947	1,867	1,157
Ohio	1,036	618	1,326	1,742	494
Ind	1,174	82	242	605	726
Ill	1,223	450	1,122	1,638	3,600
Mich	1,687	448	578	1,156	810
Mo	1,485	1,263	340	655	1,261
PEACHES—continued					
Md	325	564	352	465	532
Va	243	682	400	880	928
W. Va	329	706	202	810	580
N. C	1,344	479	1,300	2,590	1,400
S. C	643	390	615	1,363	552
Ga	2,555	4,789	5,943	10,000	2,880
Ky	1,623	460	180	1,035	600
Tenn	1,579	1,285	638	2,190	1,225
Ala	1,417	1,083	540	1,350	504
Miss	1,157	776	279	635	444
Ark	1,902	3,341	1,628	3,000	2,635
Okla	358	2,925	760	480	1,100
Tex	730	4,621	800	1,612	1,953
Colo	692	721	892	650	1,000
Utah	143	884	561	612	542
Wash	84	1,545	260	1,470	1,250
Oreg	179	504	160	292	232
Calif	9,267	5,969	20,500	25,752	13,543
Other States	1,094	2,086	1,464	1,495	1,974
PEARS					
U. S	8,841	14,204	18,373	24,212	21,197
N. Y	1,343	1,830	1,872	1,800	1,152
N. J	463	402	420	502	338
Pa	379	421	400	620	272
N. C	84	112	100	234	205
S. C	66	99	68	133	104
Ga	150	178	104	245	174
Ohio	375	157	250	395	175
Ind	320	109	140	288	209
Ill	249	375	312	540	711
Mich	666	405	702	819	468
Mo	143	431	270	171	445
Kans	19	221	258	51	234
Del	105	98	128	108	248
Md	367	287	193	193	254
Va	74	288	130	230	330
Ky	252	55	34	116	129
Tenn	84	115	125	255	242
Ala	100	163	83	234	142
Miss	101	121	120	194	132
Ark	38	124	70	102	104
Okla	7	250	130	72	190
Tex	111	637	345	390	455
Colo	133	269	480	185	650
Wash	311	1,729	1,670	3,700	2,800
Oreg	375	761	1,900	2,700	2,650
Calif	1,928	3,953	7,542	9,355	7,751
Other States	598	615	527	530	633

[1] The production of peaches includes some estimated quantities not harvested or not utilized, as follows: 1927, 2,708,000 bushels in California; 1928, 2,917,000 bushels in California and 1,000,000 in Georgia.

Source: 1909 and 1919, enumerations of Bureau of the Census; 1927, 1928, and 1929 estimates of Department of Agriculture.

No. 672.—ORCHARD CROPS: UNITED STATES PRODUCTION

[In thousands of bushels. For weights of the bushel see headnote table 671]

Yearly average or year	Apples	Peaches	Pears	Year	Apples	Peaches	Pears
1891–1895	157,693			1919 (census)	136,561	50,686	14,204
1896–1900	179,143			1922	202,702	55,852	20,705
1901–1905	182,672	38,166		1923	202,842	45,382	17,845
1906–1910	154,454	39,684		1924	171,725	53,848	18,866
1911–1915	215,572	49,027	11,341	1925	172,389	46,562	20,720
1916–1920	179,208	43,632	14,066	1926	246,609	[1] 69,865	25,249
1921–1925	169,732	46,849	17,887	1927	123,693	[1] 45,403	18,373
1899 (census)	175,398	15,433	6,625	1928	186,893	[1] 68,369	24,212
1909 (census)	145,412	35,470	8,841	1929	139,754	45,998	21,197

[1] Includes some estimated quantities not harvested or not utilized. See footnote Table 671.

No. 673.—ORCHARD CROPS: FARM PRICES PER BUSHEL

Division and State	Apples, Dec. 1					Peaches[1]					Pears[1]		
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929	1927	1928	1929
United States	$1.26	$0.75	$1.38	$0.99	$1.32	$1.38	$1.00	$1.18	$0.99	$1.36	$1.32	$1.02	$1.54
New England:													
Maine	.91	.85	1.00	1.00	1.10						1.70	1.50	1.85
New Hampshire	1.20	.90	2.30	1.10	1.25	2.00	1.50	2.20	2.40	2.00	1.70	1.70	1.60
Vermont	1.65	1.20	1.50	1.50	1.50						2.15	2.10	1.95
Massachusetts	1.50	.90	1.40	1.25	1.40	2.50	1.80	2.10	2.30	2.10	1.75	1.70	1.80
Rhode Island	1.70	1.00	1.80	1.30	1.50	3.00	1.70	2.10	2.30	2.50	1.80	1.80	2.00
Connecticut	1.65	1.00	1.70	1.30	1.80	2.80	1.70	2.20	1.90	2.00	2.00	1.60	2.00
Middle Atlantic:													
New York	1.12	.55	1.45	1.10	1.45	1.90	.90	1.90	1.45	1.80	1.50	1.45	1.85
New Jersey	1.40	.70	1.45	1.10	1.75	1.50	.70	1.50	1.35	1.15	1.00	1.00	1.60
Pennsylvania	1.46	.80	1.40	1.15	1.55	2.40	1.00	2.00	1.55	1.75	1.50	1.20	1.55
East North Central:													
Ohio	1.43	.90	1.50	1.30	1.80	2.15	1.25	1.95	1.55	1.95	1.25	.90	1.40
Indiana	1.45	.95	1.80	1.30	1.70	2.30	1.00	2.35	1.60	1.60	1.05	.75	.85
Illinois	1.40	.95	1.75	1.30	1.65	2.50	1.25	2.05	1.40	1.45	1.10	.85	.90
Michigan	1.00	.65	1.50	1.30	1.30	2.20	1.00	2.10	1.55	1.90	1.15	.95	1.35
Wisconsin	1.30	1.00	1.70	1.10	1.25								
West North Central:													
Minnesota	1.65	1.20	1.40	1.00	1.35								
Iowa	1.70	1.30	1.95	1.50	1.80	2.50	1.60	1.95	1.50	1.50	1.50	1.20	1.35
Missouri	1.30	1.05	1.80	1.25	1.35	1.80	1.25	1.90	1.55	1.40	1.15	1.15	.90
South Dakota	2.00	1.50	1.60	1.30	1.80								
Nebraska	1.95	1.50	1.40	1.40	1.40	2.35	1.50	1.60	2.00	1.65	1.60	1.90	1.50
Kansas	1.60	1.25	1.45	1.40	1.55	1.85	1.70	1.75	1.90	1.55	1.10	1.40	1.10
South Atlantic:													
Delaware	1.30	.50	1.60	1.10	1.35	1.55	.85	1.10	1.20	1.10	.60	.60	.50
Maryland	1.15	.50	1.25	.90	1.20	1.85	.75	1.50	1.30	1.20	.90	.90	.80
Virginia	1.12	.55	1.35	.85	1.10	1.90	1.00	1.60	1.40	1.00	1.15	1.05	.90
West Virginia	1.32	.70	1.60	.90	1.30	2.20	1.25	2.10	1.50	1.55	1.65	1.25	1.40
North Carolina	1.33	.85	1.65	.90	1.25	1.60	.90	1.70	1.15	1.40	1.35	1.10	1.20
South Carolina	1.70	1.40	1.75	1.25	1.50	1.35	1.00	1.50	1.10	1.35	1.30	1.10	1.25
Georgia	1.55	.95	1.70	1.10	1.40	1.40	.80	1.35	.90	1.15	1.35	1.00	1.05
Florida						1.65	1.60	1.75	1.35	1.70	1.15	.95	1.05
East South Central:													
Kentucky	1.65	.90	1.80	1.00	1.45	1.75	1.30	1.90	1.25	1.45	1.45	1.10	1.00
Tennessee	1.60	.85	1.80	1.10	1.40	1.55	1.05	1.70	1.10	1.25	1.45	1.05	1.05
Alabama	1.50	1.10	1.85	1.45	1.55	1.60	1.10	1.50	1.10	1.30	1.30	1.10	1.15
Mississippi	1.50	1.25	1.65	1.45	1.65	1.55	1.40	1.65	1.45	1.50	1.10	1.10	1.05
West South Central:													
Arkansas	.95	.75	1.55	1.20	1.30	1.50	1.05	1.40	1.20	1.20	1.30	1.20	1.20
Louisiana	2.00	1.00	1.50	1.50	1.75	2.00	1.50	1.80	1.60	1.70	1.40	1.35	1.35
Oklahoma	1.35	1.05	1.60	1.35	1.35	1.33	1.30	1.30	1.30	1.00	1.30	1.30	1.05
Texas	1.60	1.25	2.10	1.55	1.55	1.50	1.10	1.60	1.30	1.25	1.25	1.25	1.00
Mountain:													
Montana	1.75	1.20	1.30	.90	1.30								
Idaho	1.05	.70	1.10	.75	1.10	1.90	1.00	1.60	1.05	1.35	1.60	1.35	1.70
Wyoming	2.00	1.25	1.50	1.35	1.50								
Colorado	1.10	.70	1.10	.65	.95	1.90	1.10	1.20	1.20	1.45	1.40	1.05	1.50
New Mexico	1.50	.90	1.80	1.25	1.45	1.75	1.80	2.20	1.95	1.80	1.70	1.55	1.40
Arizona	2.20	1.60	1.90	1.90	1.85	1.70	1.70	2.30	2.00	1.80	2.50	2.50	2.45
Utah	.90	.80	1.10	.80	.95	2.00	.90	1.20	.95	1.00	1.70	1.40	1.50
Nevada	1.50	1.60	1.85	1.50	1.60	2.25	1.50	2.30	2.00	2.25	2.50	2.50	2.55
Pacific:													
Washington	1.30	.75	1.30	.90	1.30	1.85	.90	1.75	1.00	1.35	1.35	1.05	1.35
Oregon	1.25	.70	1.10	.90	1.10	1.80	1.20	1.60	1.40	1.10	1.40	1.00	1.40
California	1.15	.40	.90	.50	.90	.86	.94	.60	.55	1.35	1.30	.90	1.65

[1] Seasonal.

Source of Tables 672 and 673: Bureau of Agricultural Economics, Department of Agriculture.

No. 674.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL

[In thousands of short tons of 2,000 pounds]

Yearly average, or year beginning July 1—	Continental United States and outlying areas	Continental United States			Porto Rico [1]	Hawaii [2]	Philippine Islands [3]	World total	Per cent of world total in—	
		Total	Beet (chiefly refined)	Cane (chiefly raw)					Continental United States	U. S. and outlying areas
1870–1874	281	72	[4]	72	95	[5] 13	111	[6]	[6]	[6]
1875–1879	347	96	[4]	96	78	20	152	[6]	[6]	[6]
1880–1884	476	131	1	130	87	64	195	[6]	[6]	[6]
1885–1889	542	153	1	152	73	119	196	[6]	[6]	[6]
1890–1894	759	285	14	271	63	145	266	[6]	[6]	[6]
1895–1899	812	327	48	279	56	256	174	10,844	3.0	7.5
1900–1904	1,141	542	194	348	115	389	94	13,321	4.1	8.6
1905–1909	1,685	801	440	361	255	489	141	15,784	5.1	10.7
1910–1914	2,202	937	652	285	363	593	309	19,796	4.7	11.1
1915–1919	2,517	1,009	789	220	466	594	447	18,910	5.3	13.3
1920–1924	2,846	1,162	951	211	477	622	585	22,101	5.3	12.9
1925–1929	3,420	1,120	1,001	119	662	864	773	28,481	3.9	12.0
1923	2,713	1,046	881	165	448	691	529	22,833	4.6	11.9
1924	3,387	1,178	1,090	[7] 88	660	769	780	20,624	4.4	12.7
1925	3,050	1,052	913	[7] 139	603	787	607	27,834	3.8	11.0
1926	3,150	944	897	[7] 47	629	811	766	26,531	3.6	11.9
1927	3,018	1,164	1,093	[7] 71	749	897	808	28,267	4.1	12.8
1928	3,509	1,193	1,061	[7] 132	587	899	[9] 830	30,237	3.9	11.7
1929 (preliminary)	3,727	1,218	1,018	[7] 200	743	[8] 913	[9] 853	29,537	4.2	12.7

[1] For 1900 to 1906, shipments to the United States. [2] Statistics for 1874 to 1880 represent exports.
[3] Exports 1871 to 1911, production 1912 and subsequently. [4] Less than 500. [5] One year only.
[6] Not available. [7] Louisiana only. [8] Unofficial. [9] Unofficial estimate of commercial crop.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 675.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

Yearly average or year beginning July 1—	Production [1]	Brought in from insular areas [2]	Imports as sugar [3,4]	Exports as sugar [4,5]	Exports in other forms [6]	Available for consumption [7]	
						Total	Per capita
	In terms of raw sugar						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1870–1874	72,508	----------	777,685	5,269	[8]	844,924	40.7
1875–1879	96,444	----------	830,375	23,820	[8]	902,999	38.1
1880–1884	131,073	----------	1,151,724	39,347	[8]	1,243,449	46.5
1885–1889	152,879	----------	1,414,647	43,136	[8]	1,524,389	50.9
1890–1894	284,346	----------	1,864,201	16,903	[8]	2,131,644	64.3
1895–1899	326,302	----------	1,943,678	5,660	[8]	2,264,320	62.2
1900–1904	542,788	500,764	1,839,377	7,301	[8]	2,875,638	71.7
1905–1909	808,015	751,650	1,956,304	32,423	[8]	3,483,547	78.9
1910–1914	985,511	1,038,605	2,187,469	91,554	15,164	4,104,886	85.7
1915–1919	1,069,086	1,066,272	2,834,957	642,023	44,538	4,283,754	83.3
1920–1924	1,232,959	1,314,489	3,721,100	448,697	36,102	5,783,849	104.4
1912	907,070	1,026,972	2,266,426	30,963	19,217	4,150,288	80.6
1913	1,088,844	936,376	2,463,252	37,190	11,892	4,439,489	91.3
1914	1,022,828	1,098,314	2,529,963	302,641	13,585	4,334,878	87.9
1915	1,078,407	1,102,057	2,689,067	882,864	12,213	3,974,453	79.4
1916	1,193,107	1,203,938	2,527,984	676,752	29,211	4,219,066	83.2
1917	1,068,437	975,684	2,344,816	305,429	46,131	4,037,377	78.5
1918	1,102,421	1,073,944	2,799,962	568,566	36,747	4,371,013	83.8
1919	903,060	975,735	3,812,955	776,502	98,386	4,816,862	91.1
1920	1,346,811	1,076,342	3,228,279	319,589	89,491	5,242,852	97.6
1921	1,424,726	1,340,867	3,940,777	1,085,349	31,397	5,580,624	102.4
1922	1,021,360	1,235,049	4,068,205	412,196	12,568	5,899,849	106.5
1923	1,111,898	1,274,870	3,436,955	152,883	24,617	5,646,223	100.2
1924	1,260,000	1,645,319	3,931,282	273,470	22,436	6,540,605	114.2
1925	1,121,000	1,981,482	3,895,947	325,804	24,998	6,647,627	114.4
1926	1,011,000	1,689,347	3,968,880	124,555	26,303	6,518,486	110.6
1927	1,246,000	2,051,659	3,415,830	115,566	29,833	6,568,090	110.1
1928	1,273,000	1,974,899	4,115,601	139,324	31,894	7,192,282	119.2
1929 (preliminary)	1,327,000	[9]	[9]	[9]	[9]	[9]	[9]

[1] Beet and cane sugar only.
[2] Includes Hawaii, Porto Rico, and the Philippine Islands; Virgin Islands included after 1916.
[3] Sugar imported in other forms excluded. Imports from the Philippine Islands excluded after 1909.
[4] Imported raw sugar reexported is excluded from both imports and exports.
[5] Includes shipments to Hawaii and Porto Rico. Excludes direct exports from them to foreign countries.
[6] Sugar used in the manufacture of other commodities for exports on which drawback was paid.
[7] Stocks at the beginning or end of year ignored. [8] Not computed. [9] Not yet available.

No. 675.—Sugar: Production, Trade, and Supply Available for Consumption, Continental United States—Continued

Year beginning July 1—	Production	Brought in from insular areas	Imports as sugar	Exports as sugar	Exports in other forms	Available for consumption	
						Total	Per capita
	In terms of refined sugar [10]						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1921	1,325,906	1,260,894	3,686,397	1,009,377	29,182	5,234,638	95.9
1922	950,625	1,161,351	3,805,745	383,439	11,682	5,522,600	99.7
1923	1,034,615	1,198,777	3,214,883	142,217	22,943	5,283,115	93.7
1924	1,172,000	1,547,587	3,674,563	254,391	20,911	6,118,848	106.8
1925	1,043,000	1,859,332	3,634,323	303,073	23,298	6,210,284	106.8
1926	941,000	1,588,981	3,714,054	115,865	24,514	6,103,656	103.6
1927	1,159,000	1,930,732	3,196,443	107,704	27,805	6,150,955	103.1
1928	1,184,000	1,858,331	3,851,311	129,846	29,726	6,734,070	111.6
1929 (preliminary)	1,235,000	(9)	(9)	(9)	(9)	(9)	(9)

[9] Not yet available.

[10] *Raw sugar converted to refined* by multiplying by the following factors: Cuba and Hawaii, 0.9858; Porto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.932.

No. 676.—SUGAR, RAW: Percentages Relating to Sugar Consumption in Continental United States

Yearly average or year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from [1]—			Year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from [1]—		
		Domestic	Noncontiguous territory	All foreign countries			Domestic	Noncontiguous territory	All foreign countries
1865–1869	(2)	5.6	14.1	80.3	1914	20.7	22.5	25.5	52.0
1870–1874	(2)	8.6	13.4	78.0	1915	21.1	25.4	27.7	46.9
1875–1879	(2)	10.7	13.5	75.8	1916	22.8	26.7	28.5	44.8
1880–1884	(2)	10.5	17.1	72.4	1917	19.9	25.0	24.1	50.9
1885–1889	(2)	10.0	18.8	71.2	1918	23.4	23.7	24.4	51.9
1890–1894	(2)	13.3	11.1	75.6	1919	27.0	17.4	20.1	62.5
1895–1899	20.9	14.4	13.4	72.1	1920	26.9	24.0	20.4	55.6
1900–1904	21.6	18.9	17.4	63.7	1921	27.3	24.0	23.9	52.1
1905–1909	22.0	23.0	21.6	55.3	1922	28.2	16.5	21.0	62.5
1910–1914	20.6	23.0	25.6	51.4	1923	24.6	18.6	22.7	58.7
1915–1919	22.8	23.5	24.8	51.8	1924	24.4	18.1	25.3	56.5
1920–1924	26.1	20.1	22.8	57.2	1925	23.7	15.9	29.9	54.2
1911	22.0	24.4	30.2	45.4	1926	24.4	14.6	26.0	59.4
1912	20.2	20.8	24.9	54.3	1927	27.5	15.0	26.4	58.6
1913	20.9	23.5	21.3	55.2	1928	27.7	14.2	23.5	62.2

[1] *Exports assumed to be wholly from sugar imported from foreign countries.* [2] Not available.

No. 677.—SUGAR: Wholesale Prices of Raw and Refined, New York

[Cents per pound]

Yearly average or year	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated
1891–1895	3.4	4.4	1927			1928			1929		
1896–1900	4.0	4.8	Jan	5.1	6.2	Jan	4.5	5.7	Jan	3.8	5.0
1901–1905	3.9	4.8	Feb	4.9	6.0	Feb	4.3	5.6	Feb	3.7	4.9
1906–1910	3.9	4.7	Mar	4.8	5.8	Mar	4.5	5.7	Mar	3.7	4.8
1911–1915	4.1	5.0	Apr	4.8	5.8	Apr	4.5	5.8	Apr	3.7	4.8
1916–1920	7.8	8.8	May	4.8	6.0	May	4.5	5.9	May	3.6	4.9
1921–1925	5.4	6.7	June	4.6	6.0	June	4.3	5.9	June	3.5	4.9
1922	4.7	5.9	July	4.5	5.9	July	4.2	5.7	July	3.8	5.2
1923	7.0	8.4	Aug	4.5	5.6	Aug	4.1	5.5	Aug	3.8	5.4
1924	6.0	7.5	Sept	4.8	5.8	Sept	4.2	5.6	Sept	4.0	5.3
1925	4.3	5.5	Oct	4.7	5.7	Oct	3.9	5.2	Oct	4.0	5.4
1926	4.3	5.5	Nov	4.7	5.6	Nov	3.9	5.1	Nov	3.8	5.0
1927	4.7	5.8	Dec	4.6	5.6	Dec	3.9	5.2	Dec	3.8	5.0
1928	4.2	5.6									
1929	3.8	5.1									

Sources: Tables 675 and 676, Bureau of Agricultural Economics, Department of Agriculture; Table 677, *Survey of Current Business*, Department of Commerce.

No. 678.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets are accredited to State in which made into sugar and include a small quantity produced in Canada for United States factories. "Per cent of sucrose in beets" is based on analysis; "Per cent extracted" is per cent of total weight of beets actually recovered by factories. United States totals include data for States not shown. Tons are 2,000 pounds

Yearly average or year and State	Beets produced for sugar					Sugar manufacture				
	Acres harvested	Crop [1] (1,000 tons)	Tons per acre	Price per ton (dollars)	Farm value (1,000 dollars)	Number of factories	Beets used (1,000 tons)	Sugar made (1,000 tons)	Per cent of sucrose— In beets	Per cent of sucrose— Extracted
United States										
1901–1905	227,841	2,079	9.22	4.89	10,166	45	2,079	240	15.03	11.50
1906–1910	386,052	3,910	10.13	[2] 5.18	20,254	63	3,910	479	15.78	12.27
1911–1915	540,777	5,654	10.17	5.63	30,836	67	5,477	724	16.17	13.18
1916–1920	697,649	6,623	8.88	9.38	58,156	88	6,200	832	15.85	13.41
1921–1925	694,400	6,981	10.05	7.47	51,991	88	6,606	916	15.71	13.86
1921	815,000	7,782	9.55	6.35	49,392	92	7,414	1,020	15.77	13.76
1922	530,000	5,183	9.77	7.91	41,017	81	4,963	675	15.44	13.61
1923	657,000	7,006	10.66	8.99	62,965	89	6,565	881	15.30	13.37
1924	815,000	7,489	9.20	7.95	59,524	90	7,075	1,090	17.19	15.41
1925	647,000	7,381	11.40	6.39	47,137	88	6,993	913	14.86	13.06
1926	677,000	7,223	10.67	7.61	54,964	78	6,782	897	14.94	12.23
1927	721,000	7,753	10.75	7.67	59,455	83	7,443	1,093	16.11	14.68
1928	644,000	7,101	11.0	7.11	50,477	82	6,880	1,061	16.73	15.42
1929	688,000	7,318	10.6			79	7,117	1,018	15.64	14.22
California:										
1921–1925	79,800	665	8.33	9.46	6,293	7	662	113	18.41	17.00
1926	46,000	369	8.0	9.25	3,411	5	363	68	19.28	18.73
1927	59,000	476	8.1	9.28	4,418	7	470	84	18.72	17.87
1928	49,000	638	13.0	8.03	5,121	5	630	103	18.14	16.35
1929	46,000	545	11.8			5	524	91	17.62	16.41
Colorado:										
1921–1925	174,600	2,001	11.46	7.18	14,273	16	1,903	259	15.16	13.59
1926	211,000	2,912	13.8	7.92	23,050	17	2,765	377	15.05	13.63
1927	218,000	2,774	12.7	7.84	21,758	17	2,652	381	15.38	14.37
1928	179,000	2,394	13.4	6.97	16,687	17	2,410	384	16.51	15.93
1929	210,000	2,612	12.4			17	2,565	348	14.51	13.57
Idaho:										
1921–1925	37,000	381	10.30	7.23	2,715	7	360	55	16.90	15.26
1926	18,000	108	6.0	6.91	744	3	129	19	16.28	14.73
1927	29,000	381	13.1	7.50	2,854	5	373	61	17.09	16.35
1928	27,000	297	11.0	7.44	2,210	6	317	53	17.86	16.72
1929	48,000	492	10.2			8	492	79	17.39	16.06
Michigan:										
1921–1925	121,200	986	8.14	7.67	7,344	16	915	120	14.97	13.11
1926	109,000	793	7.9	7.00	5,552	15	860	106	15.23	12.33
1927	99,000	698	7.0	7.16	4,996	14	780	109	16.28	13.97
1928	71,000	452	6.4	7.22	3,263	12	458	64	16.30	13.97
1929	52,000	300	5.8			9	304	57	17.60	15.38
Montana and Wyoming: [3]										
1922–1925	42,750	470	10.99	7.71	3,690	4	441	63	16.30	14.29
1926	68,000	736	10.8	7.55	5,557	7	638	84	14.73	13.17
1927	69,000	795	11.52	7.92	6,299	7	711	111	17.02	15.61
1928	72,000	720	10.0	7.26	5,223	8	643	103	17.26	15.24
1929	85,000	873	10.3			8	789	120	16.71	14.76
Nebraska:										
1921–1925	61,800	763	12.35	7.10	5,419	5	718	99	15.34	13.39
1926	79,000	923	11.7	7.88	7,274	6	898	104	13.14	11.58
1927	82,000	1,036	12.6	7.96	8,241	7	1,012	134	15.12	13.24
1928	86,000	1,021	11.9	6.98	7,127	7	975	146	16.27	14.97
1929	92,000	1,054	11.5			7	1,068	140	14.71	13.11
Ohio:										
1921–1925	35,600	313	8.80	7.85	2,532	5	291	34	14.47	11.62
1926	35,000	340	9.7	7.00	2,383	5	270	26	12.59	9.63
1927	37,000	325	8.8	7.00	2,272	4	249	36	16.87	14.46
1928	38,000	266	7.0	7.13	1,897	5	238	31	16.09	13.03
1929	20,000	174	8.7			4	121	17	16.20	14.05
Utah:										
1921–1925	83,200	930	11.18	6.85	6,413	17	879	123	16.09	13.96
1926	51,000	415	8.1	6.97	2,894	10	356	53	16.29	14.89
1927	55,000	677	12.3	7.03	4,761	11	623	94	16.09	15.09
1928	51,000	637	12.5	7.03	4,478	11	568	90	17.28	15.85
1929	45,000	565	12.6			10	523	77	16.42	14.72
Wisconsin:										
1921–1925	14,600	120	8.25	7.43	951	4	111	13	15.39	12.05
1926	17,000	158	9.3	7.24	1,141	3	107	12	14.02	11.21
1927	11,000	90	8.2	7.00	633	3	100	13	16.00	13.00
1928	8,000	74	9.2	7.35	543	3	86	12	16.56	13.95
1929	8,000	56	7.0			3	65	10	17.88	15.38

[1] Beets used 1901 to 1912. [2] Four-year average. [3] Data not segregated prior to 1922.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 679.—LOUISIANA SUGAR CANE, CANE SUGAR, AND MOLASSES

NOTE.—Louisiana produces practically all the cane sugar produced in the United States. In other States cane is largely used for making sirup (see Table 682). Tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Factories in operation	Sugar made		Molasses made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)		Amount (1,000 tons)	Per ton of cane (pounds)	Amount (1,000 gallons)	Per ton of sugar (gallons)
1911–1915		230,200	3,496	14.6	150	236	137.6	20,666	88
1916–1920		211,789	3,286	15.1	133	224	135.4	22,956	102
1921–1925	305,320	207,589	3,044	13.9	107	202	139.9	19,286	91
1925	263,000	190,243	2,645	14.0	91	139	105.4	17,783	128
1926	198,000	127,916	864	6.7	54	47	109.1	6,614	141
1927	105,000	72,987	962	13.4	46	71	147.2	6,624	94
1928	151,680	114,991	1,860	16.2	55	132	141.9	13,535	102
1929	186,114	155,445	2,918	18.8	65	200	136.8	19,619	98

SUGAR MADE (1,000 TONS)

1906	258	1911	353	1916	304	1921	324
1907	381	1912	154	1917	244	1922	295
1908	398	1913	203	1918	281	1923	152
1909	364	1914	243	1919	121	1924	88
1910	343	1915	138	1920	169	1925	130

No. 680.—HAWAIIAN SUGAR CANE AND CANE SUGAR

NOTE.—Figures are for years ending September 30. All tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Sugar made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)	Amount (1,000 tons)	Per cent of cane used
All islands:						
1913–1915		113,500	4,854	43	602	12.39
1916–1920	251,206	118,584	4,830	41	594	12.30
1921–1925	234,700	116,820	5,253	45	622	11.84
1924	232,000	111,000	5,661	51	691	12.21
1925	241,000	122,000	6,297	52	769	12.21
1926	237,774	122,309	6,496	53	787	12.12
1927	234,809	124,542	6,992	56	811	11.60
1928	240,769	131,534	7,707	59	897	11.64
1929	239,858	129,131	7,447	58	899	12.07
Hawaii—1927	110,978	56,135	2,516	45	261	10.38
1928	106,658	56,111	2,730	49	295	10.76
1929	109,289	55,576	2,724	49	299	10.98
Kauai—1927	51,137	26,810	1,432	53	156	10.92
1928	44,535	28,279	1,505	53	163	10.83
1929	45,586	27,024	1,408	52	165	11.72
Maui—1927	42,082	20,632	1,338	65	172	12.86
1928	47,860	21,752	1,454	67	192	13.20
1929	42,064	21,714	1,447	67	198	13.68
Oahu—1927	47,040	23,840	1,895	79	223	11.76
1928	41,730	25,301	2,013	79	247	12.27
1929	42,920	24,817	1,869	75	237	12.68

TOTAL, ALL ISLANDS: SUGAR MADE (1,000 TONS)

1906	429	1911	567	1916	593	1921	522
1907	440	1912	595	1917	645	1922	592
1908	521	1913	547	1918	577	1923	537
1909	535	1914	612	1919	600	1924	691
1910	517	1915	646	1920	556	1925	769

Sources: Table 679 and Table 680 prior to 1926, Bureau of Agricultural Economics, Department of Agriculture; Table 680, beginning 1926, Hawaiian Sugar Planters Association.

No. 681.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar[1]
CENSUS RETURNS				
Total United States:	*Thousands*	*1,000 pounds*	*1,000 gallons*	*1,000 pounds*
1859		40,120	1,598	52,901
1869		28,444	921	35,812
1879		36,576	1,796	50,944
1889		32,953	2,258	51,020
1899		11,929	2,057	28,382
1909	18,900	14,024	4,106	46,912
1919	17,457	9,692	3,508	37,754
DEPARTMENT OF AGRICULTURE[2]				
Total:				
1920	18,895	7,324	3,580	35,960
1921	15,114	4,730	2,386	23,820
1922	16,274	5,147	3,640	34,263
1923	15,291	4,685	3,605	33,533
1924	15,407	4,078	3,903	35,302
1925	15,313	3,236	3,089	27,948
1926	14,712	3,569	3,737	33,465
1927	14,603	3,133	3,671	32,501
1928	14,388	2,317	3,007	26,373
1929[3]	14,130	1,706	2,595	22,466
Maine:				
1926	304	29	61	517
1927	310	15	60	495
1928	304	3	38	307
1929[3]	307	14	50	214
New Hampshire:				
1926	790	233	198	1,817
1927	822	289	164	1,601
1928	806	274	137	1,370
1929[3]	766	231	177	1,647
Vermont:	*Thousands*	*1,000 pounds*	*1,000 gallons*	*1,000 pounds*
1926	5,554	1,602	980	9,442
1927	5,665	1,694	1,417	13,030
1928	5,722	1,133	1,038	9,437
1929[3]	5,695	966	1,083	9,630
Massachusetts:				
1926	272	128	86	816
1927	277	132	75	732
1928	280	134	67	670
1929[3]	288	50	46	418
New York:				
1926	3,958	1,168	1,128	10,192
1927	3,839	733	1,002	8,749
1928	3,647	549	718	6,293
1929[3]	3,647	334	615	5,254
Pennsylvania:				
1926	696	223	251	2,231
1927	626	148	139	1,260
1928	607	67	157	1,323
1929[3]	565	43	85	723
Ohio:				
1926	1,700	68	578	4,692
1927	1,666	31	488	3,935
1928	1,583	58	480	3,898
1929[3]	1,425	15	246	1,983
Michigan:				
1926	863	100	300	2,503
1927	828	72	172	1,448
1928	869	70	208	1,734
1929[3]	886	40	163	1,344
Wisconsin:				
1926	575	18	155	1,258
1927	570	19	154	1,251
1928	570	29	164	1,341
1929[3]	581	13	130	1,053

[1] 1 gallon of sirup taken as equivalent to 8 pounds of sugar.
[2] Totals cover the 9 States listed, except that for 1920 to 1923 Connecticut, which produced only a negligible quantity of sugar and sirup, and prior to 1927 Indiana, are included. The 11 States included for 1920 to 1923 produced 97.1 per cent of the maple sugar and 97.2 per cent of the maple sirup made in the United States in 1919, and had 98.1 per cent of the trees tapped as reported by the Bureau of the Census.
[3] Preliminary.

No. 682.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 679

State and year	Cane harvested for sirup	Sirup produced	State and year	Cane harvested for sirup	Sirup produced
All States:	*Acres*	*1,000 gallons*	Alabama:	*Acres*	*1,000 gallons*
1921	210,200	41,167	1927	18,000	2,430
1922	214,300	41,611	1928	16,000	1,872
1923	200,000	33,620	1929	17,000	2,125
1925	125,000	20,400	Mississippi:		
1926	132,000	22,172	1927	17,000	3,655
1927	114,000	20,839	1928	18,000	3,600
1928	110,000	20,104	1929	22,000	5,060
1929	117,000	22,114	Louisiana:		
South Carolina:			1927	15,000	4,787
1927	7,000	980	1928	20,000	6,679
1928	6,000	750	1929	17,000	5,773
1929	6,000	900	Texas:		
Georgia:			1927	12,000	2,040
1927	34,000	5,100	1928	11,000	1,760
1928	29,000	4,060	1929	11,000	1,650
1929	33,000	5,280	Arkansas:		
Florida:			1927	2,000	200
1927	9,000	1,647	1928	2,000	240
1928	8,000	1,440	1929	2,000	210
1929	9,000	1,710			

Source of Tables 681 and 682. Bureau of Agricultural Economics, Department of Agriculture, except data for 1859 to 1919, Table 681, which are from the Bureau of the Census, Department of Commerce.

No. 683.—COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS

NOTE.—Cottonseed production relates to the preceding crop year; other data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub. Tons are of 2,000 pounds

Yearly average or year ended July 31 or June 30—	Cottonseed		Cottonseed products															
			Production				Value					Value per unit				Exports	
	Production	Used in mills	Oil	Meal and cake	Hulls	Linters	All products	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake
	1,000 tons	*1,000 tons*	*1,000 pounds*	*1,000 tons*	*1,000 tons*	*Bales* [1]	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents per lb.*	*Dollars per ton*	*Dollars per ton*	*Cents per pound*	*1,000 pounds*	*1,000 tons*
1881–1890	3,018	553	165,810	193			12,064	7,804	4,300			4.7	22.25			34,038	
1891–1900	4,280	1,625	483,015	570	[2] 1,169	114,544	25,580	13,348	11,783	[2] 3,100	[2] 1,800	2.8	20.58	[2] 2.73	3.1	191,157	[3] 388
1901–1905	5,139	3,085	890,745	1,130	1,382	167,327	65,148	34,038	22,824	5,400	2,886	3.8	20.19	3.91	3.4	297,888	548
1906–1910	5,258	3,296	99,450	1,339	1,215	282,064	83,424	40,432	32,236	7,242	3,514	40.7	24.07	6.06	2.5	311,463	578
1911–1915	6,353	4,847	1,466,940	2,162	1,527	595,225	143,766	75,334	51,580	10,126	6,526	5.1	23.86	6.03	2.2	290,311	551
1916–1920	5,116	4,285	1,302,050	2,041	1,093	943,474	312,781	179,249	92,191	14,845	26,496	13.8	45.18	13.58	5.6	172,877	301
1921–1925	4,878	3,646	1,125,196	1,654	1,082	578,384	177,947	91,147	61,141	11,539	14,120	8.1	37.10	10.87	4.6	106,371	258
1914	6,305	4,848	1,449,975	2,220	1,400	660,087	159,670	81,020	59,810	11,210	7,030	5.6	26.94	8.00	2.3	192,903	400
1915	7,186	5,780	1,719,450	2,648	1,677	820,274	152,880	80,540	57,740	8,450	6,150	4.7	21.81	5.04	1.5	318,367	740
1916	4,992	4,202	1,253,325	1,923	1,220	889,577	180,260	87,940	53,860	12,340	26,120	7.0	28.01	10.11	2.9	200,512	529
1917	5,113	4,479	1,407,660	2,225	969	1,273,345	287,192	153,419	74,586	13,904	45,193	10.9	33.52	14.44	7.1	158,986	575
1918	5,040	4,252	1,312,470	2,068	996	1,080,802	360,736	217,902	97,352	18,878	26,604	16.6	47.08	18.95	4.9	100,780	22
1919	5,360	4,479	1,325,333	2,170	1,137	889,500	383,580	227,316	116,119	17,917	22,228	17.2	53.51	15.76	5.0	178,700	156
1920	5,074	4,013	1,211,464	1,817	1,143	584,146	352,138	209,668	119,039	11,095	12,336	17.3	65.51	9.71	4.2	159,400	225
1921	5,971	4,069	1,309,183	1,786	1,256	422,226	156,513	84,650	58,298	10,059	3,506	6.5	32.64	8.00	1.7	283,268	227
1922	3,531	3,008	930,475	1,365	937	383,547	136,974	71,508	49,898	8,949	6,619	7.7	36.84	9.55	3.5	91,615	266
1923	4,336	3,242	1,002,922	1,487	944	584,177	173,254	84,818	59,037	12,200	17,199	8.5	39.70	12.93	5.9	64,292	227
1924	4,502	3,308	979,617	1,518	941	642,348	182,137	88,093	59,300	12,737	22,007	9.0	39.06	13.54	6.9	39,429	125
1925	6,051	4,605	1,403,781	2,126	1,331	859,624	240,855	126,665	79,173	13,749	21,268	9.0	37.24	10.33	4.9	53,261	443
1926	7,150	5,558	1,617,015	2,597	1,547	1,068,919	256,027	138,652	81,508	12,649	23,218	8.6	31.39	8.17	4.3	63,230	358
1927	7,989	6,306	1,887,910	2,840	1,854	1,112,019	240,284	142,242	72,476	8,882	16,684	7.5	25.52	4.79	3.0	57,580	495
1928	5,758	4,654	1,476,609	2,093	1,320	977,870	247,827	132,372	80,582	9,996	24,878	9.0	38.50	7.57	5.1	61,470	332
1929	6,435	5,061	1,604,131	2,282	1,368	1,234,287	265,247	133,906	90,706	12,842	27,793	8.4	39.75	9.39	4.5	29,531	286
Alabama	493	267	89,313	117	75	59,578	14,334	7,475	4,592	907	1,360	8.4	39.25	12.09	4.6		
Arkansas	553	401	133,863	168	115	102,438	21,242	11,231	6,589	873	2,549	8.4	39.22	7.59	5.0		
Georgia	456	405	133,178	179	109	99,090	21,350	10,854	6,892	1,307	2,297	8.1	38.50	11.99	4.6		
Louisiana	307	204	65,281	90	56	51,515	10,464	5,471	3,417	467	1,109	8.4	37.97	8.34	4.3		
Mississippi	655	627	213,488	264	173	180,202	34,312	17,976	10,065	1,403	4,868	8.4	38.13	8.11	5.4		
North Carolina	371	306	100,430	143	71	73,311	16,396	8,326	5,669	781	1,620	8.3	39.64	11.00	4.4		
Oklahoma	536	382	115,518	181	97	88,480	19,995	9,565	7,737	872	1,821	8.3	42.75	8.99	4.1		
South Carolina	322	208	66,761	95	51	53,366	10,845	5,394	3,694	612	1,145	8.1	38.88	12.00	4.3		
Tennessee	191	318	103,299	134	92	86,254	16,959	8,718	5,402	775	2,064	8.4	40.31	8.42	4.8		
Texas	2,276	1,721	512,245	810	469	392,279	87,428	42,670	32,740	4,245	7,772	8.3	40.42	9.05	4.0		
Other States	275	221	70,756	101	61	47,684	11,922	6,226	3,999	599	1,188	8.8	38.70	9.82	5.0		

[1] Of 500 pounds net. [2] Figures for 1900. [3] Six-year average, 1895–1900.

Source: Bureau of the Census, Department of Commerce.

No. 684.—COTTON: Production, Consumption, Exports, Imports, and Prices

NOTE.—All quantities in thousands of bales, reduced to equivalent of 500 pounds, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-month period roughly corresponding to the marketing of the crop; there have been minor variations from time to time in the periods covered, but consumption, exports, and imports, beginning 1914, and prices, beginning 1910, are for the 12 months ended July 31 following the year indicated in the stub. Prices for 1902 to 1909 represent the price of the average grade marketed in New Orleans up to April 1 of the following year; from 1910 to date the average price on the farm of all lint cotton throughout the country. Production, consumption, and exports include linters

Year or yearly average (*growth year*)	Production	Consumption	Domestic exports	Net imports	Year (growth year)	Production	Consumption	Domestic exports	Net imports
1790	3	11	(1)	1	1907	11,375	4,493	7,780	141
1800	73	19	32	9	1908	13,587	5,199	8 890	165
1810	178	36	124	(1)	1909	10,315	4,759	6,492	151
1820	335	100	250	(1)	1910	12,006	4,713	8,026	231
1830	732	130	554	(1)	1911	16,250	5,400	11,081	229
1840	1,348	245	1,060	1	1912	14,313	5,867	9,199	225
1850	2,136	423	1,854	(1)	1913	14,795	5,943	9,256	266
1860	3,841	842	615		1914	16,992	6,087	8,931	364
1870	4,025	1,027	2,923	2	1915	12,123	7,327	6,406	421
1866–1875	3,104	1,007	2,164	3	1916	12,781	7,721	5,964	288
1876–1885	5,452	1,708	3,721	6	1917	12,428	7,555	4,587	217
1886–1895	7,636	2,473	5,174	52	1918	12,970	6,289	5,843	197
1896–1900	10,133	3,455	6,907	115	1919	12,029	6,808	6,761	683
					1920	13,380	5,478	6,020	211
1901–1905	11,007	4,330	7,210	141					
1906–1910	12,176	4,828	8,002	178	1921	8,351	6,580	6,479	352
1911–1915	14,895	6,125	8,975	301	1922	10,370	7,350	5,049	450
1916–1920	12,817	6,770	5,836	319	1923	10,808	6,225	5,936	272
1921–1925	12,247	6,864	6,855	338	1924	14,488	6,878	8,435	303
					1925	17,219	7,807	8,377	314
1901	9,676	4,080	6,870	190					
1902	10,827	4,187	6,914	149	1926	19,135	8,178	11,587	382
1903	10,046	3,981	6,234	100	1927	13,972	7,829	8,080	321
1904	13,680	4,523	9,057	130	1928	15,760	8,215	8,637	442
1905	10,805	4,877	6,975	133	1929 (prel.)	16,063	(2)	7,176	368
1906	13,595	4,974	8,825	203					

AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND

1790	26.0	1906–1910	11.8	1913	12.5	1929:	
1800	44.0	1911–1915	10.4	1914	7.3	August	18.0
1810	15.5	1916–1920	24.9	1915	11.2	September	18.2
1820	14.3	1921–1925	22.2	1916	17.3	October	17.5
						November	16.2
1830	9.7	1901	8.1	1917	27.1	December	16.0
1840	9.5	1902	8.2	1918	28.8	1930:	
1850	12.1	1903	12.2	1919	35.4	January	15.8
1860	13.0	1904	8.7	1920	15.8	February	14.8
1870	17.0	1905	10.9	1921	16.9	March	13.8
						April	14.7
1871–1875	16.7	1906	10.0	1922	22.9	May	14.5
1876–1880	11.4	1907	11.5	1923	28.7	June	14.0
1881–1885	10.7	1908	9.2	1924	22.9	July	
1886–1890	10.3	1909	14.3	1925	19.6		
1891–1895	7.5	1910	14.0	1926	12.5		
1896–1900	6.9	1911	9.6	1927	20.2		
1901–1905	9.6	1912	11.5	1928	18.0		

[1] Less than 500 bales.
[2] Not available.

Source: Bureau of the Census. See Bulletin 166, p. 57, of that bureau for original sources.

No. 685.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS)

Yearly average or year ended June 30—	Total value (thousands of dollars)	Quantity in thousands of equivalent 500-pound bales, exported to—									
		All countries	Total Europe	United Kingdom	Germany	France	Italy	Spain	Belgium	Russia [1]	Japan	Canada
1866–1875	205,285	1,983	1,972	1,433	142	227	17	56	11	53	-------	4
1876–1885	200,146	3,594	3,553	2,311	336	421	54	125	28	202	-------	21
1886–1895	227,678	5,121	5,020	2,951	844	536	162	192	120	148	[2] 8	64
1896–1900	220,557	6,465	6,163	2,968	1,523	715	367	239	122	86	167	96
1901–1905	334,256	7,097	6,769	3,096	1,812	778	431	251	139	121	158	113
1906–1910	437,582	7,850	7,508	3,243	2,180	956	486	252	130	99	183	133
1911–1915	537,044	9,318	8,706	3,804	2,196	1,031	648	327	164	91	363	165
1916–1920	765,515	5,920	4,972	2,706	-------	795	614	310	-------	[3] 60	661	211
1921–1925	764,101	6,386	5,405	1,863	1,390	764	584	272	186	[4] 138	713	189
1914	610,475	9,522	8,972	3,582	2,884	1,139	537	297	227	99	353	151
1915	376,218	8,807	8,028	3,920	294	693	1,127	465	5	82	420	183
1916	374,186	6,168	5,273	2,761	-------	890	837	340	-------	173	503	198
1917	543,075	6,176	5,328	2,895	-------	1,056	687	394	-------	49	531	187
1918	655,025	4,641	3,789	2,387	-------	659	369	259	-------	16	584	250
1919	873,580	5,526	4,497	2,494	-------	774	558	281	73	-------	809	203
1920	1,381,708	7,087	5,977	3,445	421	596	617	275	210	-------	876	217
1921	600,186	5,623	4,775	1,787	1,152	591	558	261	166	-------	555	169
1922	596,379	6,718	5,476	1,807	1,617	820	469	342	186	-------	895	201
1923	658,983	5,253	4,314	1,403	946	704	572	250	186	7	679	217
1924	903,975	5,899	5,120	1,695	1,346	751	564	216	169	120	584	152
1925	1,060,980	8,349	7,332	2,623	1,892	951	756	290	224	286	850	207
1926	917,720	8,212	6,713	2,298	1,690	944	745	315	203	236	1,118	254
1927	866,923	11,560	9,071	2,673	2,982	1,089	845	364	298	485	1,644	281
1928	820,537	8,120	6,640	1,465	2,222	940	715	321	221	448	1,007	246
1929	868,219	8,739	6,801	1,934	2,011	873	772	302	228	341	1,373	286

[1] Includes Finland, Estonia, Latvia, and Poland prior to 1919.
[2] 5-year average, 1891–1895.
[3] Average for 1916–1919.
[4] Average for 1923–1925.

No. 686.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—**Imports and reexports in thousands of pounds.**—Years ended June 30 through 1918; thereafter calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions

Yearly average or year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents	Year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents
1830	51,488	13,125	2.99	8.3	1900	787,992	39,191	9.84	6.7
1840	94,996	8,698	5.04	8.8	1901	857,018	45,385	10.43	7.4
1850	145,273	15,481	5.58	7.6	1902	1,092,344	35,125	13.32	6.4
1851–1860	203,190	14,710	6.78	9.0	1903	923,254	48,849	10.80	6.6
1861–1870	173,290	8,229	4.66	10.5	1904	998,677	35,102	11.07	7.0
1871–1880	331,925	7,911	7.19	14.7	1905	1,046,028	37,087	11.98	8.1
1881–1890	513,039	24,725	8.52	10.8	1906	853,800	19,133	9.72	8.6
1891–1895	585,270	8,788	8.61	[1] 16.8	1907	936,596	11,627	11.15	7.9
1896–1900	761,715	21,819	10.07	8.9	1908	892,092	17,115	9.82	7.6
1901–1905	983,464	40,400	11.65	7.1	1909	1,051,760	15,188	11.43	7.5
1906–1910	931,644	15,326	10.29	7.9	1910	873,984	13,569	9.33	7.9
1911–1915	952,906	21,493	9.65	11.5	1911	878,322	8,371	9.29	10.3
1916–1920 [2]	1,227,214	67,382	11.20	13.2	1912	887,748	7,196	9.26	13.3
1921–1925	1,343,579	40,594	11.67	15.4	1913	866,054	7,135	8.90	13.8
1883	515,879	37,376	8.84	8.2	1914	1,006,362	13,811	10.14	11.1
1884	534,786	26,153	9.18	9.3	1915	1,126,042	70,953	10.62	9.6
1885	572,600	33,335	9.52	8.2	1916	1,203,841	75,818	11.20	9.6
1886	564,708	27,496	9.27	7.6	1917	1,322,059	57,503	12.38	10.1
1887	526,109	25,290	8.46	10.7	1918	1,145,956	65,598	10.43	9.0
1888	423,646	15,083	6.75	14.0	1918 (6 mos.)	436,771	23,815	-------	10.0
1889	578,397	17,265	9.08	13.6	1919	1,341,306	93,021	11.89	19.5
1890	499,159	8,997	7.77	16.0	1920	1,299,743	54,846	11.70	19.5
1891	519,528	8,487	7.94	[1] 19.0	1921	1,345,367	41,821	12.02	10.7
1892	640,211	10,539	9.59	[1] 20.0	1922	1,248,938	35,576	11.04	12.9
1893	563,469	12,074	8.23	14.0	1923	1,412,233	31,899	12.36	13.5
1894	550,934	3,865	8.01	16.4	1924	1,423,758	39,213	12.17	17.5
1895	652,209	8,974	9.24	14.7	1925	1,287,601	27,833	10.92	22.3
1896	580,598	7,926	8.08	14.6	1926	1,495,517	26,029	12.54	21.6
1897	737,646	13,086	10.04	11.1	1927	1,444,124	24,029	11.97	15.5
1898	870,514	18,823	11.59	7.5	1928	1,460,861	19,318	12.01	21.3
1899	831,827	30,070	10.72	6.5	1929	1,486,253	17,004	12.12	20.4

[1] Overvalued, due to depreciation of Brazilian paper milreis. [2] Average, July 1, 1915, to Dec. 31, 1920.
Source of Tables 685 and 686: Bureau of Foreign and Domestic Commerce.

No. 687.—TEA: NET IMPORTS

NOTE.—**Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds.** Years ended June 30 through 1918; thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only; see headnote, Table 686; prior to that time the small trade between the United States and noncontiguous territories is not included

Yearly average or year	Quantity	Value	Per capita	Yearly average or year	Quantity	Value	Per capita	Year	Quantity	Value	Per capita
1830	95,199	1,532	0.54	1916–1920[1]	106,988	22,528	1.03	1919	65,074	15,056	0.62
1840	6,873	4,067	.99	1921–1925	92,202	30,829	.83	1920	87,801	23,408	.83
1850	16,883	3,982	1.21	1910	83,298	13,349	.90	1921	75,002	13,797	.69
1851–1860	28,200	5,361	.76	1911	99,367	17,166	1.06	1922	93,888	23,067	.85
1861–1870	21,028	8,969	.91	1912	100,395	18,057	1.06	1923	102,157	28,860	.91
1871–1880	32,394	18,550	1.32	1913	93,911	17,295	.97	1924	90,496	26,608	.80
1881–1890	59,536	15,071	1.34	1914	90,148	16,599	.92	1925	99,567	30,957	.86
1891–1895	76,534	13,689	1.34	1915	92,174	16,763	.93	1926	94,512	30,856	.81
1896–1900	89,075	11,357	1.17	1916	109,075	20,442	1.08	1927	87,896	27,691	.74
1901–1905	86,217	13,849	1.18	1917	102,739	19,068	1.01	1928	88,848	26,817	.74
1906–1910	95,814	15,211	1.05	1918	147,379	29,469	1.42	1929	88,249	25,446	.73
1911–1915	93,595	17,176	0.99	1918[2]	76,365	16,461					

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] June 30 to Dec. 31, 1918.

No. 688.—COCOA AND CHOCOLATE: IMPORTS

[NOTE.—**Quantity in thousands of pounds; value in thousands of dollars.**]

Yearly average or year [1]	Cocoa or cacao beans and chocolate [2]		Year [1]	Cocoa or cacao beans and chocolate [2]		Year [1]	Cocoa or cacao beans and chocolate [2]	
	Quantity	Value		Quantity	Value		Quantity	Value
1871–1880 [3]	5,132	706	1906	84,127	9,699	1918	360,015	37,972
1881–1890	13,504	1,891	1907	97,000	14,579	1919	392,365	58,342
1891–1900	29,408	4,120	1908	86,605	15,284	1920	344,986	54,811
1901–1905	63,600	8,260	1909	32,661	15,562	1921	306,568	23,566
1906–1910	102,304	13,378	1910	111,070	11,966	1922	347,010	32,571
1911–1915	161,473	19,002	1911	140,970	15,261	1923	416,818	34,396
1916–1920	346,583	45,480	1912	148,786	16,590	1924	382,029	30,152
1921–1925	367,907	32,019	1913	143,510	18,177	1925	387,108	39,412
1902	52,879	7,054	1914	179,373	21,504	1926	433,117	44,227
1903	65,047	8,257	1915	194,734	23,478	1927	431,049	58,291
1904	75,071	9,601	1916	244,911	34,602	1928	388,635	49,216
1905	77,383	9,484	1917	390,838	41,674	1929	515,572	51,271

[1] Fiscal years through 1915; calendar years thereafter. [2] Includes prepared except confectionery.
[3] Includes 3-year average for quantity of chocolate and 9-year average for its value.

No. 689.—SILK AND SILK MANUFACTURES: FOREIGN TRADE

[**Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars**]

Yearly average or year [1]	Unmanufactured silk, imports			Silk manufactures, value		Year [1]	Unmanufactured silk, imports			Silk manufactures, value	
	Quantity	Value	Average price per pound	Imports [2]	Exports		Quantity	Value	Average price per pound	Imports [2]	Exports
1871–1880	[3] 1,340	[3] 6,390	$4.77	27,063	53	1912	26,585	69,542	$2.62	24,561	2,009
1881–1890	5,328	16,775	3.15	34,162	83	1913	32,102	84,915	2.65	27,596	2,401
1891–1900	9,259	26,843	2.90	29,775	268	1914	34,546	100,930	2.92	35,458	2,316
1901–1905	15,708	45,968	2.91	32,215	425	1915	31,053	83,131	2.68	25,050	2,754
1906–1910	20,281	67,414	3.32	33,725	835	1916	40,872	149,785	3.66	37,110	6,363
1911–1915	30,190	82,703	2.74	28,306	2,210	1917	43,428	189,753	4.37	39,763	8,608
1916–1920	45,641	235,332	5.16	47,121	16,735	1918	48,721	194,199	3.99	28,569	17,982
1921–1925	62,030	356,287	5.74	40,941	12,902	1919	55,522	341,887	6.16	54,746	23,903
1902	14,235	42,635	3.00	32,888	312	1920	39,660	301,038	7.59	75,419	26,821
1903	15,271	50,011	3.27	36,168	432	1921	52,332	264,723	5.06	48,276	9,672
1904	16,723	46,101	2.76	32,173	497	1922	58,467	371,629	6.36	37,413	11,824
1905	22,357	61,040	2.73	32,813	630	1923	61,954	401,655	6.48	44,597	11,136
1906	17,352	54,081	3.12	33,138	609	1924	60,603	335,041	5.53	37,699	14,148
1907	18,744	71,412	3.81	38,903	708	1925	76,795	408,386	5.32	36,719	18,182
1908	16,662	64,547	3.87	32,968	770	1926	77,606	402,676	5.18	40,570	17,788
1909	25,188	79,904	3.17	30,719	926	1927	86,344	399,088	4.62	42,234	16,298
1910	23,457	67,130	2.86	32,898	1,162	1928	88,269	373,331	4.23	41,388	18,648
1911	26,666	74,998	2.81	28,864	1,569	1929	98,016	432,340	4.41	39,037	20,389

[1] Fiscal years through 1915; calendar thereafter. [2] Includes artificial silk prior to 1911. [3] Raw silk.

Source of Tables 687, 688, and 689: Bureau of Foreign and Domestic Commerce.

No. 690.—RUBBER: World Production and United States Imports

Note.—For value of imports see Table 545. Tons are of 2,240 pounds

Year	World production			United States				Average price per pound, New York	
	Total	Plantation	Total wild (mainly tropical America and Africa)	Imports[1]	Reexports	Retained		Fine para	Ribbed smoked sheet
						Amount	Share of world production		
	Long tons	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Per cent*	*Dollars*	*Dollars*
1906	62,581	577	62,004	30,316	1,676	28,640	45.8	1.213	
1907	67,170	1,157	66,013	30,649	1,832	28,817	42.9	1.063	
1908	66,566	1,796	64,770	34,058	1,655	32,403	48.7	.871	
1909	73,756	3,386	70,370	41,950	2,156	39,794	54.0	1.481	
1910	93,950	10,916	83,034	45,003	2,749	42,254	45.0	1.908	2.065
1911	94,055	17,501	159,588	44,424	2,523	41,901	44.6	1.110	1.413
1912	114,276	33,306	80,970	58,435	2,456	55,979	49.0	1.052	1.216
1913	120,123	53,044	66,479	53,906	1,881	52,025	43.3	.807	.820
1914	123,173	74,587	48,586	64,884	2,618	62,266	50.6	.616	.653
1915	170,826	116,370	54,456	101,093	2,082	99,011	58.0	.557	.559
1916	214,089	161,842	52,247	121,709	4,008	117,611	54.9	.669	.725
1917	278,140	221,452	56,688	183,255	4,000	179,255	64.4	.648	.722
1918	219,684	181,061	38,623	146,132	2,746	143,386	65.3	.549	.602
1919	399,731	348,990	50,741	240,689	2,282	238,407	59.6	.483	.487
1920	342,033	305,106	36,927	253,680	4,160	249,520	73.0	.333	.363
1921	301,512	277,516	23,996	185,452	5,716	179,736	59.6	.182	.163
1922	406,394	379,520	26,874	301,203	4,809	296,394	72.9	.183	.175
1923	408,641	380,058	28,583	310,299	8,772	301,527	73.8	.248	.205
1924	425,991	394,037	31,954	329,322	10,309	319,013	74.9	.212	.262
1925	528,485	488,825	39,660	400,423	14,827	385,596	73.0	.569	.725
1926	622,477	582,163	40,314	417,643	17,671	399,972	64.3	.380	.487
1927	609,442	565,027	44,415	431,246	27,775	403,471	66.2	.268	.381
1928	658,000	626,181	31,819	439,732	32,159	407,573	61.9	.186	.226
1929	862,043	833,720	28,323	565,087	36,485	528,602	61.3	.164	.205

[1] Includes guayule beginning 1910.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor.

No. 691.—SPRING AND WINTER WHEAT: Acreage and Production

[Acreage in thousands and production in thousands of bushels (number of pounds to a bushel, 60)]

Year	Winter wheat				Spring wheat		
	Acreage		Production	Yield per acre (bushels)	Acreage	Production	Yield per acre (bushels)
	Sown	Harvested					
1911	32,648	29,162	430,656	14.8	20,381	190,682	9.4
1912	33,229	26,571	399,919	15.1	19,243	330,348	17.2
1913	33,274	31,699	523,561	16.5	18,485	239,819	13.0
1914	37,158	36,008	684,990	19.0	17,583	206,027	11.8
1915	42,431	41,308	673,947	16.3	19,161	351,854	18.4
1916	39,245	34,709	480,553	13.8	17,607	155,765	8.8
1917	38,359	27,257	412,901	15.1	17,832	223,754	12.5
1918	43,126	37,130	565,099	15.2	22,051	356,339	16.2
1919	51,483	50,494	760,377	15.1	25,200	207,602	8.2
1920	44,861	40,016	610,597	15.3	21,127	222,430	10.6
1921	45,625	43,414	600,316	13.8	20,282	214,589	10.6
1922	47,930	42,358	586,878	13.8	19,959	280,720	14.1
1923	46,091	39,508	571,777	14.5	20,151	225,617	11.2
1924	38,916	35,050	592,259	16.6	16,879	272,169	16.1
1925	39,951	31,346	402,070	12.8	21,021	274,695	13.1
1926	39,887	36,987	627,433	17.0	19,372	203,948	10.5
1927	43,373	37,723	552,747	14.7	21,061	325,627	15.5
1928	47,317	36,213	578,673	16.0	22,059	336,203	15.2
1929 (preliminary)	42,820	40,162	578,336	14.4	20,979	228,172	10.9

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 692.—WHEAT: Supply and Distribution and Per Capita Disappearance for Food, Etc., in Continental United States

[All quantities, except per capita, in thousands of bushels (number of pounds to a bushel, 60)]

Item	Year beginning July 1—						
	1909–1913, average	1914–1920, average	1921–1925, average	1926	1927	1928	1929
Supply, total	782,287	951,935	923,868	952,874	1,026,010	1,073,364	
On hand July 1:							
Stocks on farms	28,872	32,631	37,059	20,973	27,222	23,729	45,483
Stocks in country mills and elevators [1]	29,000	26,997	30,991	29,501	21,776	19,277	40,136
Commercial visible (Bradstreet's)	24,168	19,290	25,519	16,484	25,516	42,208	95,684
Stocks of flour (in terms of wheat) [1]	8,305	8,606	8,676	9,757	9,076	9,019	13,541
In merchant mills and elevators				24,505	37,038	31,920	48,279
In transit				7,350	11,274	10,893	16,237
New crop	690,108	844,605	804,148	831,040	878,374	914,876	806,508
Imports (flour included)	1,894	19,806	17,473	13,264	15,734	21,442	
Accounted-for distribution, total	280,519	437,581	394,575	443,698	441,787	514,300	
Exports (flour included)	107,103	257,030	207,237	219,160	206,259	163,670	
Reexports	195	562	221	98	53	55	
Shipments (flour included) to Alaska Hawaii, and Porto Rico	2,549	2,546	2,836	3,082	2,690	3,172	
Estimated seed requirements	72,326	83,312	86,849	88,919	95,739	88,043	
Carry-over at end of year:							
On farms	32,485	36,127	29,913	27,215	23,729	45,483	
In country mills and elevators [1]	31,600	26,449	31,457	21,776	19,277	40,136	
Commercial visible (Bradstreet's)	25,326	18,265	26,822	25,516	42,208	95,684	
Flour (in terms of wheat)	8,935	8,290	9,240	9,076	9,019	13,541	
In merchant mills and elevators				37,038	31,920	48,279	
In transit				11,274	10,893	16,237	
Disappearance for food, feed, and loss	501,768	514,354	529,291	509,720	584,223	559,064	
Per capita (bushels)	5.3	5.0	4.7	4.3	4.9	4.6	

[1] From Chicago Daily Trade Bulletin. Stocks in country mills and elevators, from 1909–1918, are stocks in second hands less visible supply on July 1, as given by Chicago Daily Trade Bulletin.

Source: Compiled from various sources by the Bureau of Agricultural Economics, Department of Agriculture.

No. 693.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: As Reported on Saturday Nearest the First of Each Month

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

WHEAT [1]

Year beginning July 1—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1909-1913, avg.	24,168	28,569	37,458	48,202	56,338	63,908	66,229	62,228	58,419	53,802	43,857	34,183
1914-1920, avg.	19,290	24,822	38,946	55,865	69,909	76,250	75,530	69,586	60,014	49,475	35,691	27,728
1921-1925, avg.	25,519	34,513	52,612	64,541	66,786	67,445	68,605	62,988	59,746	52,365	43,975	35,777
1925	29,285	34,041	39,800	56,639	52,394	52,686	59,244	52,730	48,105	38,173	33,798	23,170
1926	16,486	34,575	72,884	84,724	81,175	78,910	70,811	62,317	61,271	53,827	42,402	31,115
1927	25,516	37,533	71,908	88,755	98,675	100,013	94,336	83,720	77,949	73,220	66,184	52,460
1928	42,208	66,762	96,798	118,327	143,003	145,234	146,813	133,759	130,034	128,339	116,559	99,966
1929	95,684	145,504	196,886	205,778	209,426	198,557	188,171	173,483	165,174	158,176	140,315	123,035

CORN [2]

Year beginning Nov. 1—	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1909-1913, avg.	3,352	2,088	7,342	10,406	15,165	16,233	8,358	4,656	7,980	4,583	3,506	5,444
1914-1920, avg.	3,763	2,953	6,909	12,521	17,069	18,949	13,827	9,059	8,509	6,140	4,048	5,245
1921-1925, avg.	7,679	7,861	17,054	23,496	31,478	34,183	26,334	17,732	16,882	11,558	8,053	8,863
1925	1,790	2,461	17,801	28,092	33,878	36,485	32,408	25,453	30,333	24,930	19,771	17,381
1926	22,258	28,699	34,712	38,792	45,103	47,244	36,621	29,961	34,427	30,205	22,312	23,687
1927	20,574	19,216	27,034	31,849	40,998	43,865	33,556	25,496	16,008	13,267	9,516	6,791
1928	2,030	6,419	17,146	26,042	33,302	34,150	25,687	14,259	13,054	8,751	5,417	4,197
1929	3,237	3,267	9,892	15,215	22,667	23,532	19,986	10,825	6,825	3,656		

[1] Bradstreet's. [2] Chicago Board of Trade.

No. 693.—Visible Supply of Grain in United States: As Reported on Saturday Nearest the First of Each Month—Continued

OATS [2]

Year beginning Aug. 1—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1909–1913, avg.	7,185	13,460	18,525	19,024	17,969	16,286	14,867	14,521	13,869	10,748	7,866	7,894
1914–1920, avg.	7,879	14,984	23,791	26,613	28,498	28,060	26,513	25,203	23,404	20,717	17,141	13,608
1921–1925, avg.	21,818	34,206	47,372	51,211	50,468	51,075	50,611	49,063	43,706	36,706	28,498	25,539
1925	26,298	50,706	65,818	64,926	64,251	63,187	63,076	58,974	52,023	47,025	38,976	37,900
1926	33,772	43,671	48,450	48,097	48,283	44,927	45,422	43,454	37,145	29,573	20,502	17,790
1927	12,001	21,501	24,931	23,857	23,252	21,907	20,350	19,791	15,746	11,168	7,086	3,225
1928	2,377	13,376	15,193	14,472	13,295	13,968	13,611	14,898	12,609	10,276	9,280	7,430
1929	7,626	23,488	26,321	30,165	27,534	26,946	24,471	21,673	18,349	16,242	12,652	10,875

[2] Chicago Board of Trade.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 694.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED

Note.—Number of pounds to a bushel of wheat, 60; of corn and flaxseed, 56; to a barrel of wheat flour, 196

Yearly average or year ended June 30—	Exports [1]			Imports—wheat and flour [2]	Year ended June 30—	Exports [1]			Imports—wheat and flour [2]
	Wheat (grain)	Wheat flour	Wheat and flour [2]			Wheat (grain)	Wheat flour	Wheat and flour [2]	
	1,000 bushels	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*		*1,000 bushels*	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*
1852–1856	4,715	2,892	19,173	4,178	1915	259,643	16,183	332,465	715
1857–1861	12,378	3,318	28,970	2,617	1916	173,274	15,521	248,117	7,188
1862–1866	22,530	3,531	40,184	------	1917	149,831	11,943	208,574	24,926
1867–1871	22,107	2,585	35,032	1,818	1918	34,119	21,880	132,579	31,216
1872–1876	48,958	3,416	66,037	1,680	1919	178,583	24,182	287,402	11,280
1877–1881	107,781	5,376	133,263	906	1920	122,431	21,652	219,865	5,496
1882–1886	82,884	8,620	121,675	517	1921	203,268	16,180	360,077	57,398
1887–1891	64,739	11,287	115,529	352	1922	208,321	15,797	279,407	17,251
1892–1896	99,914	15,713	170,624	1,634	1923	154,951	14,883	221,923	19,945
1897–1901	120,247	17,151	197,427	1,280	1924	78,793	17,253	156,430	28,045
1902–1906	70,527	15,444	140,026	993	1925	195,490	13,896	258,023	6,199
1907–1911	62,855	11,841	116,138	706	1926	63,189	9,542	108,036	15,690
1912–1916	129,415	13,185	188,748	2,996	1927	156,250	13,385	219,160	13,263
1917–1921	155,646	19,167	241,899	26,064	1928	145,999	12,821	206,258	15,735
1922–1926	140,129	14,274	204,764	17,424	1929	103,114	12,888	163,688	21,444

Yearly average or year ended June 30—	Corn [3]		Rice [4]		Flaxseed		Unmanufactured tobacco	
	Exports [1]	Imports	Exports [1]	Imports	Exports [1]	Imports	Exports [1]	Imports
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 bushels*	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*
1852–1856	7,123	------	56,515	------	11	1,133	140,184	5,044
1857–1861	6,558	------	65,732	------	7	------	167,711	5,154
1862–1866	12,060	------	2,258	70,893	16	1,037	140,208	------
1867–1871	9,924	75	1,857	52,954	(5)	------	194,754	5,631
1872–1876	38,561	57	391	72,536	(5)	2,915	241,848	8,886
1877–1881	88,190	42	602	62,615	(5)	1,224	266,315	7,871
1882–1886	49,902	24	561	99,871	(5)	1,541	237,942	13,672
1887–1891	54,606	15	3,210	156,859	[7] 66	1,833	259,248	21,640
1892–1896	63,980	8	10,278	160,808	1,516	1,181	281,746	25,871
1897–1901	192,531	4	18,407	165,232	2,660	404	304,402	16,958
1902–1906	74,615	20	45,978	150,914	2,950	234	325,539	33,805
1907–1911	56,568	92	27,195	215,892	2,313	3,249	334,396	42,813
1912–1916	38,774	5,686	60,043	250,775	67	9,227	408,006	55,556
1917–1921	45,296	4,950	299,021	262,514	13	14,750	496,924	74,595
1922–1926	66,759	1,149	300,030	74,178	(6)	18,198	496,676	68,470
1923	95,596	138	370,670	69,536	(6)	25,006	454,364	75,786
1924	23,135	228	227,757	38,210	(6)	19,577	597,630	54,497
1925	9,791	4,617	112,037	57,677	(6)	13,419	430,702	76,870
1926	24,781	635	48,175	131,848	(6)	19,354	537,239	69,973
1927	19,819	1,098	304,358	71,053	(6)	24,224	516,401	92,983
1928	19,410	5,463	309,739	44,102	(6)	18,112	489,996	81,045
1929	41,882	490	392,714	36,794	(6)	23,437	565,984	79,284

[1] Excluding reexports. [2] Flour included in terms of grain. [3] Including meal in terms of grain. [4] Includes flour, meal, etc. [5] Less than 500 bushels. [6] Not separately reported. [7] 3-year average.

Source: Bureau of Foreign and Domestic Commerce.

No. 695.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS: BY CROP YEARS, FOR THE UNITED STATES AS A WHOLE

NOTE.—**Prices for hays and cottonseed, are in dollars per ton; cotton and peanuts in cents per pound; timothy, clover, and alfalfa seeds in dollars per bushel; and for all other products, in cents per bushel.** Crop year begins in June for apples; in August for oats, barley, cotton, cottonseed, and timothy seed; in September for flaxseed, buckwheat, clover seed; in November for corn and peanuts; and in July for other crops named. For index numbers of prices of farm products by great groups see Table 611

Crop year beginning—	Wheat	Corn	Oats	Barley	Rye	Buck-wheat	Flaxseed
1910	91.7	53.5	36.2	60.8	73.4	67.5	229.8
1911	88.3	68.8	46.1	81.9	81.0	75.4	195.8
1912	83.3	56.7	34.9	52.7	68.7	68.3	127.4
1913	70.3	71.8	38.9	53.0	62.9	76.6	123.9
1914	99.4	71.4	44.9	54.8	83.3	81.1	131.6
1915	98.2	69.6	39.3	53.8	85.0	81.5	169.6
1916	144.4	119.0	51.4	83.4	113.0	126.5	233.8
1917	205.8	148.1	72.1	122.5	176.4	167.1	315.9
1918	206.3	153.1	70.1	100.0	152.1	164.7	374.2
1919	218.6	151.5	80.3	124.9	146.9	159.2	427.0
1920	182.9	62.1	51.1	70.7	148.2	126.8	217.6
1921	104.4	54.3	33.4	48.4	86.9	89.1	171.0
1922	98.0	76.7	39.0	51.8	68.1	89.9	209.5
1923	92.4	84.0	42.6	56.8	59.4	96.3	212.3
1924	127.8	105.8	48.3	77.4	96.3	108.6	220.7
1925	145.9	71.0	39.0	59.2	83.1	87.5	224.6
1926	123.8	74.9	41.2	61.9	84.2	87.0	205.8
1927	120.5	85.2	48.0	72.7	84.7	87.6	192.0
1928	100.1	85.8	41.6	56.1	85.4	90.7	205.5

Crop year beginning—	Potatoes	Sweet potatoes	Apples	Cotton	Cotton-seed	Peanuts	All hay (loose)
1910	61.3	78.7	88.1	14.0	25.82	4.6	11.54
1911	99.6	92.2	70.6	9.6	17.08	4.4	14.36
1912	55.6	85.6	66.8	11.5	19.10	4.6	11.17
1913	70.6	84.0	93.0	12.5	22.39	4.6	11.49
1914	58.0	84.6	62.7	7.4	16.50	4.4	10.92
1915	70.8	75.4	71.0	11.2	32.65	4.3	10.34
1916	166.3	92.9	90.7	17.3	49.13	4.8	11.21
1917	122.5	122.3	113.6	27.1	66.15	7.1	16.60
1918	125.6	150.0	137.5	28.8	65.23	6.5	19.88
1919	223.8	161.7	186.1	35.2	67.27	9.2	21.34
1920	131.5	144.8	133.8	15.8	22.95	4.7	16.53
1921	121.3	110.9	195.2	17.0	29.72	3.7	11.83
1922	73.9	97.4	109.4	22.8	34.70	5.5	11.68
1923	94.2	121.7	117.4	28.7	42.23	6.5	12.93
1924	76.5	152.4	122.1	22.9	34.08	5.7	12.76
1925	183.5	165.9	127.0	19.6	30.82	4.7	12.83
1926	140.8	120.3	88.3	12.5	21.63	4.8	13.23
1927	108.4	106.5	141.7	20.2	35.93	5.0	10.57
1928	61.3	113.1	110.3	18.0	35.26	4.9	11.29

Crop year beginning—	Prairie hay	Timothy hay	Clover hay	Alfalfa hay	Timothy seed	Clover seed	Alfalfa seed
1914	7.69	13.87	12.53	9.12	2.49	8.41	7.52
1915	7.13	13.09	11.29	9.39	2.89	9.98	9.16
1916	8.01	12.83	11.33	12.76	2.42	9.54	8.76
1917	13.31	18.67	17.21	18.42	3.50	14.48	9.66
1918	16.03	22.66	20.93	20.35	4.19	21.01	10.40
1919	16.78	25.13	23.69	22.70	4.98	28.34	16.97
1920	10.94	20.64	19.48	15.96	3.29	11.81	11.74
1921	7.62	14.82	14.15	10.58	2.64	11.14	8.22
1922	8.79	14.18	13.03	12.82	2.60	10.71	9.36
1923	8.92	16.53	15.14	13.54	3.19	12.38	10.03
1924	8.70	14.30	13.43	13.81	3.11	15.35	10.62
1925	9.36	15.40	14.52	13.52	3.33	15.87	9.99
1926	10.87	15.42	15.06	13.57	2.61	19.06	9.45
1927	7.64	11.64	12.15	11.96	1.77	16.11	9.87
1928	8.10	12.31	13.02	13.90	2.20	16.99	11.37

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 696.—GRAIN PRICES: WEIGHTED AVERAGE MARKET PRICE PER BUSHEL OF REPORTED CASH SALES

Yearly average or crop year beginning—	Wheat, July–June			Corn, Nov.–Oct.		Oats, Aug.–July		Barley, Aug.–July	Rye, July–June	Flaxseed, Sept.–Aug.[1]	Kafir, Nov–Oct.[2]
	No. 1, Northern, Minneapolis	No. 2, Hard Winter, Kansas City	No. 2, Red Winter, Chicago	No. 3, Yellow, Chicago	No. 3, Yellow, Kansas City	No. 3, White, Chicago	No. 3, White, Minneapolis	No. 2, Minneapolis	No. 2, Chicago	No. 1, Minneapolis	No. 2, White, Kansas City
1909–1913	$0.99	$0.95	$0.99	$0.61	$0.60	$0.40	$0.38	$0.64	$0.76	$1.92	$1.34
1914–1920	1.90	1.85	1.83	1.15	1.12	.60	.58	1.02	1.52	3.03	2.17
1921–1925	1.39	1.27	1.33	.79	.78	.42	.38	.65	.94	2.47	1.52
1913	.88	.84	.88	.70	.67	.40	.38	.51	.64	1.52	1.74
1914	1.20	1.05	1.08	.70	.72	.50	.48	.66	1.05	1.70	1.17
1915	1.09	1.19	1.13	.79	.69	.41	.38	.63	.99	2.04	1.19
1916	1.76	1.71	1.68	1.11	1.06	.54	.52	1.17	1.54	2.91	3.24
1917	2.20	2.52	2.25	1.63	1.63	.71	.71	1.49	2.11	3.78	3.28
1918	2.25	2.19	2.22	1.62	1.56	.70	.66	1.00	1.61	4.19	2.86
1919	2.72	2.42	2.24	1.59	1.60	.80	.80	1.43	1.70	4.52	2.41
1920	2.07	1.83	2.23	.62	.59	.51	.48	.74	1.52	2.09	1.06
1921	1.43	1.20	1.25	.55	.54	.35	.32	.55	.97	2.19	1.36
1922	1.20	1.13	1.14	.73	.74	.41	.36	.58	.81	2.58	1.63
1923	1.17	1.05	1.02	.88	.78	.45	.40	.63	.70	2.44	1.51
1924	1.56	1.35	1.58	1.06	1.12	.50	.47	.84	1.25	2.63	1.81
1925	1.61	1.63	1.64	.75	.74	.41	.37	.67	.96	2.52	1.30
1926	1.46	1.35	1.38	.87	.88	.43	.42	.71	1.01	2.24	1.20
1927	1.36	1.35	1.40	1.01	.86	.55	.50	.84	1.06	2.20	1.46
1928	1.18	1.12	1.38	.92	.85	.44	.41	.65	1.01	2.33	1.38

[1] Average closing price through December, 1920.

[2] Price per 100 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 697.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

NOTE.—Data are for calendar years. Total receipts by ports include flour, meal, and malt reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain

	1910	1915	1920	1925	1927	1928	1929
TOTALS BY PORTS							
	1,000 bu.	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*
New York, total	93,320	220,667	145,534	189,162	166,224	166,692	140,089
By canal via river	10,168	2,504	4,139	32,767	29,668	39,138	29,098
Coastwise and river	410	7,120	5,966	9	631	2	
By rail	82,742	211,044	135,429	156,386	135,925	127,552	110,991
Boston	22,402	28,097	13,099	11,911	13,694	14,430	10,837
Philadelphia	28,736	69,772	45,148	55,933	34,154	25,284	20,209
Baltimore	32,272	105,856	74,260	35,552	35,459	36,343	27,804
New Orleans	16,213	56,774	72,976	32,089	25,875	28,872	24,780
Montreal, Canada	44,178	68,185	67,044	179,959	219,173	247,377	113,623
COMMODITY							
Flour, 1,000 bbls	16,841	23,279	17,016	23,801	22,028	24,436	27,473
Corn meal, do	1,039	941	77	75	237	112	81
Wheat, 1,000 bu	62,944	260,719	220,296	238,631	202,630	270,513	153,136
Corn, do	42,193	45,434	17,916	13,220	9,101	18,171	11,784
Oats, do	47,181	104,564	34,629	76,401	25,115	35,416	22,005
Barley, do	3,929	16,195	16,600	45,191	54,186	65,831	33,078
Rye, do	934	13,928	51,742	23,709	39,893	18,655	2,386
Total grain, do	157,181	440,829	341,183	397,152	390,926	408,586	222,389
Flour and meal[1], do	79,940	108,522	76,878	107,404	103,653	110,413	114,952
Grand total, do	237,122	549,351	418,061	504,556	494,579	518,999	337,341

[1] Grain equivalent.

Source: New York Produce Exchange.

No. 698.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

Yearly average or year beginning—	Total	Chicago	Milwaukee	Minneapolis	Duluth	St. Louis	Toledo	Detroit	Kansas City	Peoria	Omaha	Indianapolis
	WHEAT											
July 1:												
1909–1913	279,257	37,111	8,750	102,067	52,048	24,713	5,203	1,821	35,756	1,525	15,892	1,211
1914–1920	385,102	60,469	9,655	119,090	51,044	38,228	6,628	2,121	67,515	2,232	22,521	4,600
1921–1925	388,647	49,959	5,903	112,209	66,874	37,295	10,801	1,636	74,144	2,601	22,541	4,685
1923	333,388	49,804	2,307	105,958	38,201	33,119	15,401	1,884	60,516	2,221	17,896	6,081
1924	478,555	71,009	8,934	104,037	111,194	44,047	12,434	1,915	89,444	2,095	29,120	4,336
1925	325,490	25,776	4,919	111,877	70,210	29,697	8,945	1,006	52,502	1,769	15,023	3,766
1926	359,435	39,062	6,867	89,148	53,061	33,342	14,715	2,677	92,740	1,314	21,486	5,023
1927	462,709	45,851	5,662	125,615	118,855	34,167	14,171	2,281	77,775	1,336	31,948	5,048
1928	488,334	33,755	5,526	121,893	108,268	53,231	14,118	1,836	106,417	2,411	37,427	3,452
	CORN											
Nov. 1:												
1909–1913	214,366	105,459	10,251	7,581	792	22,316	4,383	2,957	19,052	16,710	------	------
1914–1920	246,387	101,633	14,788	10,643	------	22,286	3,025	3,043	18,263	25,349	26,731	19,469
1921–1925	266,015	115,372	14,538	13,213	5,061	30,749	3,774	1,423	18,436	22,221	22,668	18,559
1923	275,082	101,108	17,083	18,436	9,570	39,215	4,090	1,683	21,136	17,730	27,495	17,536
1924	202,225	80,696	7,180	14,310	795	23,116	2,972	410	21,448	20,961	13,138	17,199
1925	226,484	92,283	7,519	9,867	142	27,751	4,665	610	18,034	27,139	20,396	18,078
1926	220,778	91,869	11,000	11,261	177	21,005	3,940	1,489	12,453	26,098	21,836	19,650
1927	293,627	104,975	14,471	9,378	505	35,261	1,480	1,018	46,807	25,056	32,859	21,817
1928	268,798	95,265	14,987	12,109	2,257	38,108	1,796	703	34,468	27,134	17,355	24,556
	OATS											
Aug. 1:												
1909–1913	194,643	100,873	13,978	17,320	5,983	21,439	3,507	3,131	7,298	10,252	------	------
1914–1920	277,426	121,664	30,007	31,750	3,963	27,613	5,583	4,390	10,295	12,090	15,837	14,234
1921–1925	226,219	71,431	19,646	35,224	12,494	31,186	5,860	2,376	9,834	12,833	14,494	10,841
1923	220,631	69,516	19,729	29,069	5,068	35,001	4,248	3,083	11,701	13,419	18,144	11,653
1924	262,501	74,090	20,233	53,533	23,165	34,211	8,848	1,042	8,198	11,131	15,918	10,632
1925	207,817	50,669	13,970	36,342	26,798	28,649	7,814	1,127	11,443	9,850	12,972	8,283
1926	143,900	49,420	14,826	18,205	2,360	21,076	8,781	1,352	3,270	8,954	6,628	9,088
1927	148,485	53,591	10,411	27,138	1,145	19,351	4,507	1,389	4,226	9,195	8,844	8,688
1928	138,944	41,023	7,611	20,899	3,527	24,257	7,189	1,143	4,951	7,100	6,853	14,391

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

No. 699.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

NOTE.—In cents per bushel. For earlier years see Statistical Abstract, 1925, p. 679

Calendar year	By lake and canal	By lake and rail	By all rail[1]	Calendar year	By lake and canal	By lake and rail	By all rail[1]
1892	5.61	7.55	14.23	1911	5.35	5.23	9.69
1893	6.33	8.44	14.70	1912	5.57	6.17	9.60
1894	4.44	7.00	12.88	1913	5.74	7.01	9.60
1895	4.11	6.95	12.17	1914	5.31	6.54	9.60
1896	5.38	7.32	12.00	1915	6.08	7.48	10.08
1897	4.35	7.37	12.32	1916	7.95	9.55	10.08
1898	4.42	4.96	11.55	1917	8.72	9.90	10.08
1899	5.65	6.63	11.13	1918	12.53	12.27	12.90
1900	4.42	5.05	9.98	1919	10.94	11.60	14.70
1901	5.14	5.57	9.92	1920	14.70	15.32	16.08
1902	5.25	5.78	10.60	1921	10.20	10.91	20.10
1903	5.44	6.17	11.33	1922	11.63	11.93	19.65
1904	4.71	5.02	11.11	1923	10.94	12.43	18.00
1905	5.51	6.44	10.20	1924	8.67	10.92	18.00
1906	5.94	6.48	10.50	1925	7.24	10.89	18.00
1907	6.68	6.93	11.30	1926	8.08	12.04	18.00
1908	6.00	6.33	11.70	1927	7.16	11.14	18.00
1909	5.35	6.88	11.70	1928	8.40	11.36	18.00
1910	5.13	6.57	9.60	1929	6.37	10.42	18.00

[1] Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export.

Source: New York Produce Exchange.

No. 700.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate
	Cents per bushel		*Cents per bushel*		*Cents per bushel*		*Cents per bushel*
1891	3.5	1901	3.5	1911	4.3	1921	7.4
1892	3.5	1902	3.8	1912	4.4	1922	10.4
1893	4.6	1903	4.0	1913	4.6	1923	7.1
1894	3.2	1904	3.2	1914	4.3	1924	6.8
1895	2.2	1905	3.9	1915	4.6	1925	5.0
1896	3.7	1906	4.2	1916	5.0	1926	5.1
1897	2.8	1907	5.0	1917	4.4	1927	5.0
1898	2.8	1908	5.0	1918	9.3	1928	6.0
1899	3.0	1909	3.9	1919	8.2	1929	4.4
1900	2.5	1910	4.0	1920	10.3		

Source: Secretary of the Buffalo Chamber of Commerce.

No. 701.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1918 are impossible and for 1917, 1918, 1919, and, in the case of a number of ports, for the earlier months of 1920 no figures are available

[Rates in cents per 100 pounds]

Destination	1900	1905	1910	1913	1921	1922	1923	1924	1925	1926	1927	1928	1929
Grain:													
Liverpool [1]	29.49	19.16	18.15	23.39	48.17	34.06	32.65	34.87	33.8	37.17	33.89	32.32	30.69
Glasgow [1]	30.98	20.00	15.91	22.92	(2)	34.28	32.50	34.39	35.3	39.80	36.42	33.90	34.10
London [1]	31.10	20.23	17.75	24.33	(2)	33.97	31.33	33.95	33.4	36.66	34.31	31.74	30.18
Antwerp			18.05	24.62	45.02	35.85	33.27	34.50	33.9	35.83	35.56	32.38	32.35
Hamburg				26.16	45.76	35.74	32.80	35.22	35.0	37.15	36.50	33.04	31.19
Amsterdam				25.07	49.53	[3] 38.72				47.50	39.50	33.91	32.75
Rotterdam				25.07	48.64	36.30	33.69	35.50	35.5	37.26	36.18	33.04	31.86
Sacked flour:													
Liverpool	27.90	22.40	19.75	30.00	58.63	41.92	39.82	42.80	43.8	46.68	45.01	43.17	42.19
Glasgow	31.56	22.50	21.50	32.00	(2)	41.90	41.38	45.11	45.0	47.93	47.39	45.17	44.19
London	35.01	23.64	22.00	30.50	(2)	41.90	39.80	42.73	43.9	46.66	45.04	43.17	42.19
Antwerp				35.60	55.27	42.33	40.73	43.75	44.3	45.31	48.06	45.71	43.98
Hamburg				37.00	56.15	42.17	40.46	43.58	44.1	45.51	46.80	45.79	43.02
Amsterdam				30.00	55.74	42.65	41.52	44.13	44.6	46.10	47.70	46.50	44.54
Rotterdam				29.00	55.12	42.50	41.28	44.13	44.6	44.34	47.81	45.71	43.67
Copenhagen				40.00	64.01	49.42	46.89	48.94	50.4	51.15	55.32	53.50	53.50
Stockholm				43.00		50.76	48.81	52.25	53.5	54.42	57.32	55.69	56.50
Provisions:													
Liverpool	48.84	38.49	45.38	51.00	137.13	113.50	94.10	104.83	106.5	106.50	116.33	117.75	101.50
Glasgow	55.31	43.23	46.88	55.31	(2)	113.50	94.10	104.83	106.5	106.50	116.33	117.75	101.50
London	55.87	40.88	47.02	51.00	(2)	113.50	94.10	104.83	106.5	106.50	116.33	117.75	101.50
Antwerp	51.09	43.70	49.44	55.22	104.01	84.39	[4] 82.94	87.75	86.5	87.19	89.00	91.50	97.80
Hamburg	50.00	45.75	50.00	55.33	104.87	84.36	[5] 84.65	91.50	91.5	91.50	110.50	95.67	99.59
Amsterdam	51.00	45.42	48.00	54.00	104.25	84.89	[5] 82.54	87.75	86.5	86.72	89.00	91.50	97.80
Rotterdam	51.00	44.53	47.00	53.00	104.25	84.89	[5] 83.00	87.75	86.5	86.72	89.00	89.00	97.80
Copenhagen	55.31	48.66	55.31	60.43	113.00	99.75	96.50	100.87	96.5	100.92	103.00	101.50	101.50
Stockholm	64.50	51.47	56.72	73.14		98.37	94.00	102.00	104.0	104.27	109.00	104.24	102.25
Bordeaux	64.12	51.45	57.50	71.25	105.16	101.86	96.50	105.45	106.5	106.50	110.75	109.83	99.00
Havre				69.38	104.20	101.86	96.50	105.45	106.5	106.50	110.75	109.83	99.00

[1] Berth rates to British ports beginning 1922 converted from English money at average exchange rates.
[2] Rates for Liverpool applied to London and Glasgow.
[3] Average for first 18 weeks of 1922.
[4] Average for first 8 months.
[5] Average for 11 months; October is not available.

Source: 1900 to 1916, Secretary of the Board of Trade of Chicago; thereafter, compiled in Bureau of Foreign and Domestic Commerce from various sources.

No. 702.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

NOTE.—Data for establishments with products under $5,000 in value not included for 1925 and 1927. Leaders indicate figures were not secured or not reported separately. For canned vegetables, soups, and fruits quantitative data for 1914 are not strictly comparable with later years. See footnotes

Industry, material, and product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
CANNING AND PRESERVING							
All products, total value					249,791	688,898	652,636
Fruits, vegetables, and soups					151,960	457,838	400,238
Canned vegetables and soups					92,291	283,891	234,260
Beans	Case	[1] 8,994	[2] 24,680	[2] 25,360	16,565	55,165	53,069
Corn	do	[1] 9,920	[2] 22,597	[2] 10,255	13,923	51,346	22,855
Peas	do	[1] 8,826	[2] 16,544	[2] 13,085	15,089	42,887	34,031
Tomatoes	do	[3] 16,200	[2] 21,807	[2] 18,229	25,532	42,680	33,814
Asparagus	do	[4] 638	[2] 1,896	[2] 2,177	2,791	10,487	12,202
Spinach	do	[3] 392	[2] 2,045	[2] 2,462	737	5,456	6,225
All other	do	6,706	[2] 25,299	[2] 25,788	17,654	74,870	72,064
Canned fruits					24,897	102,638	101,731
Peaches	Case	[4] 3,408	[2] 10,526	[2] 11,305	9,586	38,562	36,235
Apples	do	[3] 1,515	[2] 3,467	[2] 2,939	2,392	6,951	5,895
Berries	do	[1] 1,333	[2] 2,120	[2] 2,375	3,102	9,080	9,807
Pears	do	[4] 1,063	[2] 3,880	[2] 2,954	3,854	20,898	13,067
Apricots	do	[4] 1,052	[2] 2,088	[2] 3,099	3,061	7,668	12,256
Cherries	do	[1] 543	[2] 1,487	[2] 1,229	1,629	7,253	6,490
All other	do	[1] 535	[2] 2,425	[2] 3,663	1,273	12,226	17,981
Dried fruits	Pound	568,587	1,054,127	1,012,796	34,772	72,119	64,167
Raisins	do	226,044	533,722	435,292	13,939	28,788	26,824
Prunes	do	139,092	397,583	438,886	9,004	28,971	23,738
Peaches	do	61,907	86,857	38,038	2,916	3,555	3,895
Apples	do	54,957	21,121	22,253	2,889	2,227	2,228
Apricots	do	39,397	33,039	36,755	3,616	5,434	5,439
All other	do	47,190	31,805	41,572	2,408	3,144	3,043
Dried and dehydrated vegetables	do		1,276	200		189	80
Fish and oysters					33,333	58,637	64,410
Canned fish, oysters, etc					22,401	47,463	51,090
Salmon	Case [5]	1,513	1,559	1,504	8,713	15,380	15,712
Sardines	do. [5]	5,012	5,163	6,183	6,239	13,097	14,518
Shrimps	do. [5]	460	736	853	1,726	3,783	5,322
Tuna	do. [7]	437	1,102	1,256	1,638	8,499	8,368
Oysters	do. [5]	945	568	447	2,677	3,009	2,368
Clams	do. [5]	185	348	202	670	1,675	1,402
All other	do	236	366	586	738	2,021	3,400
Cured fish	Pound	159,863	88,349	91,213	10,932	11,174	13,320
Pickles, preserves, sauces					60,137	149,102	153,687
All other products					4,361	23,321	34,301
FLOUR-MILL INDUSTRY							
Materials used, total cost					752,270	1,125,379	972,711
Wheat	Bushel [8]	545,728	530,593	544,054			
Corn	do. [8]	180,116	105,355	92,693			
Rye	do. [8]	12,814	8,126	9,255			
Buckwheat	do. [8]	5,478	2,408	2,761			
Oats	do. [8]	50,227	45,818	27,761			
Other grains	do	24,566	15,658	11,985			
All products, total value					877,680	1,298,015	1,148,760
Wheat flour	Barrel [9]	116,404	114,027	117,673	543,840	904,971	816,958
Rye flour	do	1,937	1,561	1,724	7,845	8,923	9,299
Buckwheat flour	Pound	125,622	47,565	44,559	3,755	1,874	1,674
Corn meal	Barrel [10]	16,328	8,903	8,378	54,903	43,653	37,138
Bran and middlings	Ton [11]	4,667	4,474	4,624	104,703	136,711	141,757
Feed, screenings, etc	do	4,753	3,023	1,930	137,068	114,895	71,722
All other					25,506	86,987	70,212

[1] 24 No. 2 cans.
[2] Actual number of cases of all sizes.
[3] 24 No. 3 cans.
[4] 24 No. 2½ cans.
[5] 48 No. 1 cans.
[6] 100 No. ¼ cans.
[7] 48 No. ½ cans.
[8] Weight of bushel: Wheat, 60 pounds; corn, 56; rye, 56; buckwheat, 48; oats, 32.
[9] 196 pounds.
[10] 200 pounds.
[11] 2,000 pounds.

No. 702.—Food Manufacturing Industries: Materials Used and Products—Continued

Industry, material, and product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
CORN SIRUP (GLUCOSE) AND STARCH							
Materials used, total cost					40,208	93,064	90,906
Corn	Pound	2,488,792			30,208		
All products, total value					52,615	132,898	134,461
Cornstarch	Pound	574,248	854,125	1,012,175	13,785	33,716	32,317
Corn sirup (including all sirup)	do		1,144,858	1,123,791	18,541	41,275	32,519
Corn sugar	do	174,369	580,370	904,831	3,766	19,505	25,635
Corn oil	Gallon	8,862	12,705	16,070	3,693	14,093	16,159
Stock feed					6,690	17,934	19,346
All other					6,140	6,375	8,485
RICE CLEANING AND POLISHING							
Materials used, total cost					20,616	45,847	46,491
Rough rice	Pound	1,036,588	1,438,901	1,915,038			
All products, total value					23,039	53,498	54,130
Clean rice	Pound	674,872	947,787	1,246,643	21,655	51,113	51,828
All other					1,384	2,385	2,302
BEET SUGAR							
Materials used, total cost					41,399	87,038	79,017
Beets treated	Ton [1]	5,639	7,423	6,711			
All products, total value					62,605	132,339	104,927
Sugar	Ton [1]	743	1,083	899	58,590	124,413	98,585
Molasses	Gallon	26,461	24,466	19,097	1,536	2,251	092
Pulp	Ton [1]		1,550	1,308	2,095	5,530	4,414
All other					384	145	1,236
CANE SUGAR							
Materials used, total cost					15,958	11,586	5,830
Cane, crushed	Ton [1]	3,755		975	13,409		
All products, total value					21,635	13,435	8,009
Sugar	Ton [1]	265	116	56	18,948	9,670	5,115
Molasses	Gallon	20,675	15,171	5,585	2,021	1,751	1,120
Sirup	do	2,421	5,699	3,885	610	1,768	1,341
All other					56	246	433
CANE SUGAR REFINING							
Materials used, total cost					264,085	549,896	551,594
Raw sugar	Pound	7,120,957	11,470,224	10,809,406	247,086		
All products, total value					289,399	606,633	597,446
Refined sugar	Ton [1]	3,333	5,412	5,128	285,496	600,109	593,620
Sirup	Gallon		8,536	5,537	3,284	2,152	1,247
Refiners' blackstrap	do	35,803	37,373	31,014		3,859	2,172
All other					619	513	407
CHOCOLATE AND COCOA PRODUCTS							
All products, total value					35,713	106,642	122,723
Chocolate in cakes	Pound		374,663	388,210		85,614	95,091
Cocoa	do		85,259	90,910		11,040	13,768
Cocoa butter	do		25,293	22,770		6,800	8,555
Other products						3,188	5,309

[1] 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

29.—FORESTS AND FOREST PRODUCTS

Data in this section relate to continental United States only except those for National forests which include Alaska, or Alaska and Porto Rico, as indicated

No. 703.—FORESTS: Estimated Original and Present Areas, Growing Area, Annual Growth, and Present Stand, by Regions

Note.—*Estimates of present area relate to 1922, of stand of timber and annual growth to 1920 or about that year.* These data are necessarily approximate. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

Region	Original area (thousand acres)	Present area (thousand acres) [1]					
		Total	Saw timber			Cordwood (growing)	Nonrestocking
			Total	Virgin	Growing		
Total	**822,238**	**469,475**	**251,916**	**138,160**	**113,756**	**136,359**	**81,200**
New England [2]	38,908	25,708	11,261	2,000	9,261	8,872	5,575
Middle Atlantic [3]	69,610	28,678	11,455	1,896	9,559	10,793	6,430
Lake [4]	103,680	57,100	24,030	10,100	13,930	12,570	20,500
Central [5]	170,560	60,182	31,901	7,600	24,301	26,011	2,270
South Atlantic and East Gulf [6]	170,240	99,000	46,200	18,300	27,900	32,080	20,720
Lower Mississippi [7]	128,400	78,865	41,035	20,835	20,200	24,075	13,755
Rocky Mountain [8]	63,720	60,842	41,059	37,746	3,313	14,533	5,250
Pacific Coast [9]	77,120	59,100	44,975	39,683	5,292	7,425	6,700

Region	Stand of saw timber (millions of board feet)			Annual growth in growing area		
	Total	Hardwood	Softwood	Saw timber (millions of board feet)	Cordwood (millions of cubic feet)	Total (millions of cubic feet)
Total	**2,214,893**	**459,675**	**1,755,218**	**9,672**	**3,877**	**5,995**
New England [2]	49,799	11,319	38,480	609	341	474
Middle Atlantic [3]	44,857	29,504	15,353	714	342	499
Lake [4]	110,110	69,350	40,760	988	251	468
Central [5]	144,470	133,152	11,318	1,458	587	906
South Atlantic and East Gulf [6]	220,577	83,750	136,827	2,428	1,092	1,594
Lower Mississippi [7]	280,908	132,600	148,308	1,752	600	983
Rocky Mountain [8]	223,141	----------	223,141	461	264	365
Pacific Coast [9]	1,141,031	----------	1,141,031	1,262	430	706

[1] Revised October, 1922.
[2] Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[3] New York, New Jersey, Pennsylvania, Delaware, and Maryland.
[4] Michigan, Wisconsin, and Minnesota.
[5] Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and eastern Nebraska.
[6] Virginia, North Carolina, South Carolina, Georgia, Florida, and Alabama.
[7] Mississippi, Arkansas, Louisiana, eastern Texas, and eastern Oklahoma.
[8] Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.
[9] California, Oregon, and Washington.

Source: Forest Service, Department of Agriculture.

No. 704.—STAND OF SAW TIMBER (ESTIMATED): ABOUT 1920

[Quantities in millions of board feet]

Specie	Total	New England	Middle Atlantic	Lake	Central	South Atlantic and East Gulf	Lower Mississippi	Rocky Mountain	Pacific coast
Grand total	2,214,893	49,799	44,857	110,110	144,470	220,577	280,908	223,141	1,141,031
Eastern hardwoods, total	459,875	11,319	29,504	69,350	133,152	83,750	132,600		
Oak	157,372	1,510	5,500	8,301	64,712	27,889	49,460		
Birch, beech, and maple	90,784	8,143	16,897	36,076	20,505	4,522	4,641		
Red gum	44,222		176		3,728	13,400	26,918		
Chestnut	19,319	960	3,754		7,989	6,616			
Hickory	15,784	40	412	187	6,701	3,183	5,171		
Cottonwood and aspen	10,824	374	13	999	2,131	1,340	5,967		
Ash	9,988	215	513	1,893	2,929	1,256	3,182		
Yellow poplar	9,611		126	7	5,193	4,020	265		
Others	101,771	77	2,113	21,887	19,174	21,524	36,996		
Eastern softwoods, total	391,046	38,480	15,353	40,760	11,318	136,827	148,308		
Southern yellow pine	257,691				365	121,442	135,884		
Hemlock	30,896	1,804	5,036	18,301	3,910	1,845			
Spruce and fir	31,572	23,971	2,948	3,772		881			
Cypress	22,921					11,208	11,713		
White and Norway pine	23,457	9,816	4,037	8,000	615	1,089			
Others	24,509	2,889	[1] 3,332	10,687	[1] 6,528	362	711		
Western softwoods, total	1,364,172							223,141	1,141,031
Douglas fir	595,505							36,934	558,571
Western yellow pine and Jeffrey pine	249,578							66,125	183,453
Western hemlock	95,092							1,092	94,000
True firs	91,349							8,870	82,479
Redwood	72,208								72,208
Western white pine and sugar pine	57,071							18,586	38,485
Western red cedar	53,348							4,348	49,000
Lodgepole pine	43,019							39,353	4,566
Spruce	30,822							26,467	13,356
Others	66,280							21,366	44,914

[1] Includes small amounts of spruce, cypress, and various species of yellow pine.

No. 705.—NATIONAL FORESTS: AREA AND STANDING TIMBER

NOTE.—Includes acreage actually acquired under the Weeks law, see Table 707. In 1929, there were 12,580,268 acres of State forests, including forest preserves of New York, Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 726,577 acres of municipal and county forests and parks

State	Net area (acres), June 30, 1929	Standing timber, Jan. 1, 1926		State	Net area (acres), June 30, 1929	Standing timber, Jan. 1, 1926	
		Saw-timber (million board feet)	Cordwood (1,000 cords)			Saw timber (million board feet)	Cordwood (1,000 cords)
Total	159,750,520	552,339	91,142	Nevada	4,978,108	268	6,613
Cont'l U. S.	138,392,152	467,579	91,142	New Hampshire	460,474	1,027	
				New Jersey		3	(1)
Alabama	114,490	124	34	New Mexico	8,491,831	11,187	13,448
Arizona	11,466,626	14,385	11,427	New York		3	(1)
Arkansas	1,049,688	1,799		North Carolina	381,864	421	2,727
California	19,026,819	100,509	24,771	Oklahoma	61,480		
Colorado	13,309,549	22,167	5,694	Oregon	13,297,938	138,266	
Florida	343,180	182	1,288	Pennsylvania	291,337	17	134
Georgia	244,952	338	455	South Carolina	42,378	73	83
Idaho	19,300,773	46,993	6,017	South Dakota	1,067,326	2,508	831
Illinois	10,710			Tennessee	372,958	567	719
Kentucky		10		Utah	7,475,762	5,225	6,670
Maine	33,361	57		Virginia	588,954	320	877
Maryland		1	6	Washington	9,598,372	77,155	
Michigan	264,970	9	37	West Virginia	242,067	75	148
Minnesota	1,037,756	859	6,349	Wyoming	8,460,755	14,447	2,813
Montana	16,170,658	28,495		Alaska	21,345,925	84,760	
Nebraska	206,026			Porto Rico	12,443		

[1] Less than 500 cords.

Source of Tables 704 and 705: Forest Service, Department of Agriculture.

No. 706.—NATIONAL FORESTS: AREA OF EACH FOREST, 1929

NOTE.—Net area is gross area less area of alienated lands. The aggregate includes national forests in Alaska and Porto Rico

State and forest	Net area	State and forest	Net area	State and forest	Net area
Aggregate (150 national forests)	*Acres* 159,750,520	Idaho—Continued.	*Acres*	Oregon—Continued.	*Acres*
		Clearwater	799,459	Cascade	1,027,440
		Coeur d'Alene	674,248	Crater [2]	815,507
		Idaho	1,733,724	Deschutes	1,303,113
		Kaniksu [1]	192,790	Fremont	849,286
		Lemhi	1,358,839	Klamath [2]	8,723
		Minidoka [2]	520,544	Malheur	1,051,191
		Nezperce	1,661,107	Mount Hood	1,063,936
		Payette	1,308,391	Ochoco [3]	721,973
		Pend Oreille	676,619	Santiam	614,914
		St. Joe	603,211	Siskiyou [2]	1,033,252
		Salmon	1,707,834	Siuslaw [3]	531,314
		Sawtooth	1,166,729	Umatilla [2]	939,464
		Selway	1,689,960	Umpqua	1,015,731
		Targhee [2]	1,031,330	Wallowa	969,618
		Weiser	566,385	Whitman [3]	1,352,476
		Illinois: Bellevue-Savanna	10,710	Pennsylvania	
		Maine: White Mountain [2]	33,361	Allegheny	291,337
		Michigan	264,970	Porto Rico: Luquillo	12,443
		Huron	[1] 237,135	South Carolina: Nantahala [2]	[4] 42,378
		Michigan	[1] 27,835	South Dakota	1,067,326
		Minnesota	1,037,756	Black Hills [2]	481,100
		Chippewa	192,350	Custer [2]	73,686
		Superior	[1] 845,406	Harney [2]	512,540
		Montana	16,170,058	Tennessee	372,958
		Absaroka	853,607	Cherokee [4]	200,071
		Beartooth	660,384	Pisgah [4]	30,741
		Beaverhead	1,340,860	Unaka [4]	142,146
		Bitterroot	1,051,104	Utah	7,475,762
		Blackfeet	832,776	Ashley [2]	980,329
		Cabinet	834,848	Cache [2]	282,246
		Custer [2]	517,303	Dixie [2]	796,970
		Deerlodge	823,199	Fishlake	1,387,079
		Flathead	1,718,820	La Sal [2]	504,291
		Gallatin	561,583	Manti [2]	725,229
		Helena	934,946	Minidoka [2]	70,651
		Jefferson	1,040,874	Powell	1,039,996
		Kootenai [3]	1,361,487	Uinta	1,078,217
		Lewis and Clark	810,731	Wasatch	610,754
		Lolo [3]	894,181	Virginia	588,954
		Madison	956,462	Monongahela [2]	10,414
		Missoula	977,403	Natural Bridge	161,910
Nebraska: Nebraska	206,020			Shenandoah [2]	369,760
Nevada	4,978,198			Unaka [2]	46,870
Dixie [2]	56,324			Washington	9,598,372
Eldorado [2]	400			Chelan	1,796,324
Humboldt	1,322,215			Columbia	757,492
Inyo [2]	60,416			Colville	747,875
Mono [2]	464,502			Kaniksu [2]	273,143
Nevada	1,175,128			Mount Baker	1,460,334
Tahoe [2]	16,373			Olympic	1,494,856
Toiyabe	1,882,840			Rainier	1,281,509
New Hampshire: White Mountain [4]	460,474			Snoqualmie [3]	619,451
New Mexico	8,491,831			Umatilla [2]	313,359
Apache [4]	887,126			Wenatchee [3]	874,029
Carson	1,004,371			West Virginia	242,967
Coronado [2]	124,988			Monongahela [2]	182,851
Datil	1,770,103			Shenandoah [2]	60,116
Gila	1,506,416			Wyoming	8,460,755
Lincoln	1,114,095			Ashley [2]	6,400
Manzano	679,448			Bighorn	1,125,672
Santa Fe	1,245,284			Black Hills [4]	147,283
North Carolina	381,864			Caribou [4]	6,315
Cherokee [4]	5,414			Hayden [2]	327,888
Nantahala [2]	[4] 117,395			Medicine Bow	556,032
Pisgah [2]	[4] 259,055			Shoshone	1,599,967
Oklahoma: Wichita	61,480			Targhee [2]	345,570
Oregon	13,297,938			Teton	1,787,615
				Washakie	861,185
				Wyoming	1,696,768
Alabama: Alabama	[1] 114,490				
Alaska	21,345,925				
Chugach	4,799,683				
Tongass	16,546,242				
Arizona	11,466,626				
Apache [2]	677,792				
Coconino	1,725,316				
Coronado [2]	1,356,710				
Crook	1,424,389				
Kaibab	723,411				
Prescott	1,208,029				
Sitgreaves	794,424				
Tonto	2,262,044				
Tusayan	1,294,511				
Arkansas	1,049,688				
Ouachita	[1] 699,957				
Ozark	[1] 349,731				
California	19,026,819				
Angeles	644,138				
California	826,573				
Cleveland	380,589				
Crater [2]	48,218				
Eldorado [2]	559,857				
Inyo [2]	1,521,353				
Klamath [2]	1,524,873				
Lassen	921,053				
Modoc	1,494,407				
Mono [2]	797,300				
Plumas [3]	1,112,852				
San Bernardino	597,326				
Santa Barbara	1,776,078				
Sequoia	1,329,616				
Shasta [3]	891,407				
Sierra	1,494,682				
Siskiyou [2]	329,384				
Stanislaus	823,649				
Tahoe [2,3]	542,635				
Trinity	1,410,629				
Colorado	13,309,549				
Arapaho [3]	639,906				
Cochetopa	908,787				
Colorado	826,776				
Grand Mesa	659,584				
Gunnison	911,629				
Hayden [2]	68,635				
Holy Cross	1,124,318				
La Sal [2]	26,631				
Leadville	928,884				
Montezuma	727,599				
Pike	1,089,603				
Rio Grande	1,137,645				
Routt	750,650				
San Isabel	615,779				
San Juan	1,244,593				
Uncompahgre	756,530				
White River	892,000				
Florida	343,180				
Choctawhatchee	184,449				
Ocala	158,731				
Georgia	244,952				
Cherokee [2]	148,632				
Nantahala [2]	96,320				
Idaho	19,300,773				
Boise	1,063,314				
Cache [2]	494,580				
Caribou [2]	706,581				
Challis	1,345,128				

[1] Figures include acreage actually acquired under the Weeks law. (See Table 707.)
[2] Forest lies in more than one State.
[3] Additions made under the exchange act of Mar. 20, 1922 (42 Stat. 465), and other related acts.
[4] Figures include acreage transferred from the Treasury Department.

Source: Forest Service, Department of Agriculture.

No. 707.—NATIONAL FORESTS: Lands Acquired or Approved for Purchase Under Weeks Law to June 30, 1929

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired	State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
	Acres	*Acres*	*Acres*		*Acres*	*Acres*	*Acres*
Grand total	**8, 605, 184**	**2, 995, 915**	**609, 269**	North Carolina, total	382, 706	370, 495	12, 211
				Cherokee (part)	7, 519	5, 414	2, 105
Alabama: Alabama	103, 971	96, 741	7, 230	Nantahala (part)	122, 108	114, 093	8, 015
Arkansas, total	258, 816	146, 378	112, 438	Pisgah (part)	253, 079	250, 088	2, 991
Ouachita	131, 074	81, 600	49, 474				
Ozark	127, 742	64, 778	62, 964	Pennsylvania: Allegheny	344, 607	291, 337	53, 270
Florida: Osceola	93, 826	----------	93, 826	South Carolina: Nantahala (part)	44, 884	42, 378	2, 506
Georgia, total	265, 728	244, 952	20, 776				
Cherokee (part)	163, 900	148, 632	15, 268	Tennessee, total	381, 535	372, 958	8, 577
Nantahala (part)	101, 828	96, 320	5, 508	Cherokee (part)	202, 333	200, 071	2, 262
Louisiana, total	36, 256	----------	36, 256	Pisgah (part)	30, 741	30, 741	----------
Catahoula	11, 201	----------	11, 201	Unaka (part)	148, 461	142, 146	6, 315
Kisatchie	25, 055	----------	25, 055				
				Virginia, total	602, 067	588, 954	13, 113
Maine: White Mountain (part)	33, 482	33, 361	121	Monongahela (part)	10, 414	10, 414	----------
Michigan, total	184, 252	72, 980	111, 272	Natural Bridge	163, 777	161, 910	1, 867
Huron	71, 021	61, 879	9, 142	Shenandoah (part)	376, 284	369, 760	6, 524
Keweenaw	34, 569	----------	34, 569	Unaka (part)	51, 592	46, 870	4, 722
Mackinac	49, 359	----------	49, 359				
Marquette	29, 303	11, 101	18, 202	West Virginia, total	312, 391	242, 067	69, 424
				Monongahela (part)	241, 960	182, 851	59, 109
Minnesota: Superior	77, 815	31, 940	45, 875	Shenandoah (part)	70, 431	60, 116	10, 315
New Hampshire: White Mountain (part)	482, 848	460, 474	22, 374				

Source: Forest Service, Department of Agriculture.

No. 708.—NATIONAL FORESTS: Summary of Operations

Note.—Data for quantity of timber sales, quantity, and value of free timber given, and revenue are for fiscal years ended June 30; all other data are for calendar years. Figures include data for national forests in Alaska.

Item	1923	1924	1925	1926	1927	1928	1929
Timber sales:							
Number	12, 720	13, 382	12, 349	13, 199	12, 648	13, 701	13, 864
Quantity [1] M ft.[2]	3, 146, 736	1, 333, 254	1, 771, 631	1, 489, 372	642, 698	2, 089, 916	1, 050, 892
Timber cut under sales do	1, 055, 035	1, 093, 278	1, 183, 167	1, 175, 273	1, 091, 621	1, 336, 014	1, 421, 186
Free timber given:							
Number of users	34, 032	35, 568	32, 695	34, 797	35, 068	38, 165	42, 135
Timber cut M ft.[2]	96, 085	89, 367	78, 348	[1] 88, 170	81, 363	82, 442	86, 708
Value dolls	97, 934	93, 900	81, 902	[1] 97, 330	91, 346	90, 111	97, 518
Grazing, kinds of stock: [3]							
Cattle No	1, 804, 274	1, 664, 087	1, 538, 942	1, 456, 858	1, 403, 191	1, 335, 903	1, 322, 465
Goats do	31, 379	29, 068	19, 795	15, 666	18, 046	17, 070	15, 487
Swine do	1, 347	1, 560	846	1, 085	1, 002	1, 206	853
Horses do	64, 104	58, 184	57, 904	57, 396	55, 629	51, 956	48, 171
Sheep do	6, 377, 759	6, 301, 308	6, 162, 263	6, 212, 657	6, 376, 838	6, 509, 421	6, 650, 719
Revenue, total dolls	5, 335, 818	5, 251, 903	5, 000, 137	5, 155, 661	5, 166, 606	5, 441, 601	6, 299, 802
From—							
Timber [4] do	2, 721, 876	3, 030, 396	2, 940, 393	3, 366, 685	3, 253, 243	3, 325, 079	4, 108, 595
Water power do	73, 174	82, 916	95, 287	94, 718	98, 749	101, 798	113, 228
Special uses do	187, 501	207, 637	229, 236	259, 820	277, 612	285, 084	287, 119
Grazing do	2, 341, 486	1, 915, 561	1, 725, 377	1, 421, 589	1, 530, 952	1, 713, 730	1, 740, 290
All other do	11, 781	9, 393	9, 844	12, 849	6, 050	15, 144	50, 570

[1] Amount sold is to be cut during a period of years; hence greater than amount cut in any one year.
[2] Board measure.
[3] Number actually grazed under permit.
[4] Includes receipts from timber and turpentine sales, timber settlement and trespass.
Source: Forest Service, Department of Agriculture.

No. 709.—LUMBER: REPORTED PRODUCTION, BY SPECIES, AND AVERAGE VALUE

NOTE.—For 1889, 1904, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1910 for each year except 1919 mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns

[Quantities in millions of board feet; average mill values per 1,000 board feet]

Year (calendar)	Production			Average mill value	Year (calendar)	Production			Average mill value
	Total	Hardwood	Softwood			Total	Hardwood	Softwood	
1869	12,756			(1)	1917	35,831	6,657	29,174	$20.32
1879	18,091			(1)	1918	31,890	6,223	25,667	24.79
1889	23,842			$11.41	1919	34,552	7,145	27,407	30.21
1899	[2]35,078	8,634	26,146	11.13	1920	33,799	6,989	26,810	38.42
1904	34,127	6,782	27,345	12.76	1921	26,961	4,775	22,186	23.47
1909	44,510	10,613	33,897	15.38	1922	31,569	4,925	26,644	26.15
1910	40,018	8,857	31,161	15.30	1923	37,166	6,262	30,904	31.78
1911	37,003	8,101	28,902	15.05	1924	35,931	6,525	29,406	28.57
1912	39,158	8,632	30,526	15.35	1925	38,339	6,628	31,710	28.02
1913	38,387	8,084	30,303	(1)	1926	35,936	6,467	30,469	27.34
1914	37,346	7,939	29,407	(1)	1927	34,532	6,090	28,442	25.80
1915	37,012	7,527	29,485	14.04	1928	34,142	5,797	28,345	25.61
1916	39,807	8,475	31,332	15.32					

Specie	Production by species								
	1889	1909	1914	1919	1923	1925	1926	1927	1928
Softwoods:									
Yellow pine	9,650	16,277	14,473	13,063	12,949	13,236	11,752	10,891	10,610
Douglas fir	1,737	4,856	4,764	5,902	8,223	8,154	8,807	8,443	8,449
White pine	7,742	3,900	2,633	1,724	1,572	1,521	1,366	1,344	1,367
Hemlock	3,421	3,051	2,166	1,755	1,873	2,140	2,159	2,071	2,222
Western yellow pine	945	1,500	1,327	1,755	2,805	3,127	3,173	2,799	2,976
Spruce	1,442	1,749	1,246	980	758	751	647	529	572
Cypress	496	956	1,013	656	819	903	752	610	501
Redwood	360	522	535	410	592	511	488	570	487
Cedar	233	346	500	332	365	372	368	306	257
Larch	51	421	359	388	351	307	254	288	250
White fir		89	113	223	330	337	350	280	292
Sugar pine	54	97	136	134	228	307	306	282	306
Balsam fir		109	125	68	19	20	18	16	19
Lodgepole pine		24	18	16	16	25	29	13	27
All other softwood	9				4				
Hardwoods:									
Oak	4,438	4,414	3,279	2,708	2,028	2,129	2,191	2,013	1,830
Maple	633	1,107	910	857	842	921	829	774	743
Red gum	285	707	675	851	1,016	1,101	1,133	1,101	968
Yellow poplar	1,115	858	519	329	353	376	322	335	328
Chestnut	207	654	541	546	350	308	298	264	260
Birch	133	452	431	375	351	412	365	327	337
Beech		511	376	359	191	181	175	154	146
Basswood	308	399	265	184	173	180	153	146	140
Elm	457	347	214	194	206	191	182	161	156
Cottonwood	415	266	195	144	158	142	122	104	144
Ash	269	291	189	155	149	179	164	137	130
Hickory	97	334	116	170	96	79	86	52	48
Tupelo		97	124	144	175	220	256	267	316
Walnut	39	46	26	39	49	70	52	65	57
Sycamore	30	57	23	28	25	24	32	29	38
All other hardwood	209	93	56	61	100	115	107	101	156

[1] Not available.
[2] Includes 298,000,000 board feet of lumber not reported by kinds of wood.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 710.—LUMBER: Reported Production by Regions and States

Note.—See headnote, Table 709

[In millions of board feet]

Region and State	1889	1899	1909	1914	1919	1923	1925	1927	1928
United States	23,842	35,078	44,510	37,346	34,552	37,166	38,339	34,532	34,142
Northeastern	4,726	5,709	5,197	3,553	2,584	1,632	1,507	1,231	1,210
Maine	597	785	1,112	993	596	376	330	264	267
New Hampshire	277	572	650	483	339	255	261	216	239
Vermont	384	376	352	250	218	120	126	91	107
Massachusetts	212	344	361	143	107	128	109	88	112
Connecticut	49	108	168	82	87	59	42	56	35
New York	925	878	681	486	358	236	198	142	130
New Jersey	34	74	62	49	37	14	10	5	3
Pennsylvania	2,133	2,333	1,463	865	630	361	331	278	239
Maryland	82	184	268	162	113	63	89	67	60
Rhode Island	8	19	25	16	11	4	4	7	5
Delaware	23	36	55	26	27	16	7	17	13
Central	3,130	5,643	5,487	3,621	3,016	2,045	1,969	1,629	1,663
Ohio	565	990	543	286	280	152	141	128	112
Indiana	755	1,037	556	299	282	189	179	148	127
Illinois	222	388	170	66	65	28	30	29	30
Missouri	402	724	660	371	321	179	187	189	142
West Virginia	302	778	1,473	1,118	703	640	583	542	548
Kentucky	423	775	861	596	512	196	207	198	174
Tennessee	460	951	1,224	885	702	661	642	595	530
Lake States	8,251	8,750	5,478	3,918	2,692	2,392	2,445	1,794	1,803
Michigan	4,300	3,018	1,890	1,214	876	833	797	578	572
Minnesota	1,084	2,342	1,502	1,312	700	552	579	397	412
Wisconsin	2,866	3,389	2,025	1,391	1,116	1,070	1,069	819	819
North Carolina Pine States	1,129	2,712	5,177	4,417	3,374	2,937	2,730	2,408	2,390
Virginia	416	959	2,102	1,488	1,098	771	709	536	547
North Carolina	515	1,287	2,178	2,228	1,654	1,096	1,041	1,055	1,021
South Carolina	199	466	898	702	622	1,070	980	817	822
Southern States	3,718	8,404	14,796	13,384	12,704	13,524	14,418	12,068	11,588
Georgia	575	1,312	1,342	1,026	894	1,149	1,365	1,201	1,039
Florida	412	790	1,202	1,074	1,137	1,110	1,064	907	995
Alabama	589	1,101	1,691	1,495	1,799	1,787	2,236	2,172	1,980
Mississippi	454	1,206	2,573	2,281	2,390	2,691	3,128	2,557	2,524
Arkansas	538	1,624	2,111	1,797	1,772	1,538	1,597	1,229	1,130
Louisiana	304	1,115	3,552	3,056	3,104	3,554	3,203	2,386	2,279
Texas	843	1,232	2,099	1,554	1,380	1,559	1,578	1,446	1,447
Oklahoma	3	22	226	201	168	136	157	170	194
Rocky Mountain States	249	556	1,232	1,340	1,299	1,811	1,920	1,748	1,790
Montana	90	256	808	816	287	427	389	396	388
Idaho	28	65	646	764	765	1,073	1,140	924	978
Arizona	5	36	63	79	74	131	146	169	158
New Mexico	26	31	92	57	87	126	152	173	162
Colorado	80	134	142	102	65	38	71	67	72
Utah	14	18	13	9	12	8	6	6	8
Wyoming	6	17	29	12	9	8	16	13	24
Pacific States	2,028	[1] 2,902	6,906	7,067	8,798	[1] 12,762	[1] 13,287	[1] 13,390	[1] 13,630
Washington	1,064	1,429	3,863	3,946	4,961	6,678	7,027	7,326	7,305
Oregon	446	735	1,899	1,818	2,577	3,966	4,217	3,993	4,372
California	518	737	1,114	1,303	1,259	[1] 2,118	[1] 2,043	[1] 2,071	[1] 1,953
All other [2]	612	401	179	46	85	63	63	64	68
Iowa	569	352	132	11	18	10	10		
PERCENTAGE DISTRIBUTION									
United States	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeastern States	19.8	16.3	11.7	9.5	7.5	4.4	3.9	3.6	3.5
Central States	13.1	16.1	12.3	9.7	8.7	5.5	5.1	5.3	4.9
Lake States	34.6	24.9	12.3	10.5	7.8	6.4	6.4	5.2	5.3
North Carolina Pine States	4.7	7.7	11.6	11.8	9.8	7.9	7.1	7.0	7.0
Southern States	15.6	24.0	33.3	35.8	36.8	36.4	37.6	34.9	33.9
Rocky Mountain States	1.1	1.6	2.9	3.6	3.7	4.9	5.0	5.0	5.2
Pacific States	8.5	8.3	15.5	18.9	25.4	34.3	34.7	38.8	40.0
All other	2.6	1.1	.4	.1	.2	.2	.2	.2	.2

[1] Figures include Nevada.

[2] Includes, besides Iowa, the Plains States of Kansas and South Dakota, and in certain years small figures for the District of Columbia, Nebraska, and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 711.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

NOTE.—Quantities are based mainly upon averages of production within the period 1912–1921. Values are based on prices prevailing in 1919 and include all value added to the material by cutting, transporting, manufacturing, or otherwise preparing for use

Product and waste	Unit of measure	Quantity in thousands	Approximate value or cost	Equivalent in lumber which could have been sawed from same trees		
				Total (M feet, b. m.)	Softwoods (M feet, b. m.)	Hardwoods (M feet, b. m.)
Aggregate			$2,254,015,000	60,193,700	41,057,780	19,135,920
Products, total			2,232,015,000	52,943,700	35,307,780	17,635,920
Lumber, dimension material and sawed ties.	Foot, b. m.	37,700,000	1,138,917,000	37,700,000	28,275,000	9,425,000
Fuel wood	Cord	100,000	475,000,000	5,000,000	1,500,000	3,500,000
Pulpwood	do	5,000	79,750,000	2,340,000	2,145,000	195,000
Ties, hewed	Number	70,000	73,500,000	2,100,000	420,000	1,680,000
Cooperage stock:						
Tight staves	do	350,000	19,250,000	532,000	133,000	399,000
Tight heading	Set	24,000	12,000,000	178,000	36,200	141,800
Slack staves	Number	1,200,000	18,000,000	362,000	121,600	240,400
Slack heading	Set	90,000	10,800,000	333,000	166,500	166,500
Hoops	Number	120,000	1,800,000	21,500		21,500
Shingles	do	9,000,000	37,710,000	900,000	900,000	
Mine timbers	Cubic foot	293,000	56,913,000	879,000	439,500	439,500
Fence posts	Number	900,000	225,000,000	825,000	660,000	165,000
Veneer logs	Foot, l. s.	576,000	25,079,000	691,200	103,680	587,520
Poles	Number	4,250	10,625,000	255,000	200,000	55,000
Vehicle stock, woodenware, handles, furniture, etc.	Board foot.	200,000	7,288,000	200,000	2,300	197,700
Distillation wood	Cord	1,400	9,268,000	185,000		185,000
Piling	Number	1,500	6,000,000	180,000	140,000	40,000
Export logs and hewn timbers	Board foot.	100,000	3,445,000	100,000	50,000	50,000
Tanning extract wood	Cord	1,000	10,250,000	87,000		87,000
Excelsior wood	do	200,000	1,800,000	75,000	15,000	60,000
Lath	Number	2,000,000	9,620,000			
Destroyed by fire	Cubic foot	1,080,000	10,000,000	2,250,000	1,750,000	500,000
Destroyed by insects, disease, and windfall.	do	1,300,000	12,000,000	5,000,000	4,000,000	1,000,000

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No 712.—LUMBER: Average Mill Value per 1,000 Board Feet

Kind of wood	1899	1904	1909	1919	1921	1923	1924	1925	1926	1927	1928
All kinds [1]	$11.13	$12.76	$15.38	$30.21	$23.47	$31.78	$28.57	$28.02	$27.34	$25.90	$25.61
SOFTWOODS											
Balsam fir	(2)	(2)	13.99	32.23	25.71	27.62	27.66	26.65	25.64	25.92	25.40
Cedar	10.91	14.35	19.95	33.80	38.55	37.55	38.74	38.80	37.28	34.39	33.32
Cypress	13.32	17.50	20.46	38.38	36.88	44.61	42.08	40.90	43.33	39.91	36.18
Douglas fir	8.67	9.51	12.44	24.62	18.04	26.99	22.08	20.94	20.17	19.45	19.02
Hemlock	9.98	11.91	13.95	29.16	20.79	26.21	23.35	21.58	20.23	19.06	18.84
Larch (tamarack)	8.73	11.39	12.68	23.39	15.56	21.98	20.82	18.25	17.77	17.69	18.34
Lodgepole pine	(2)	(2)	16.25	20.98	21.81	21.76	21.07	20.22	19.98	20.82	19.29
Redwood	10.12	12.83	14.80	30.04	40.57	43.08	35.90	33.99	33.80	33.81	31.39
Spruce	11.27	14.03	16.91	30.76	25.73	31.44	30.18	27.98	27.27	26.59	26.50
Sugar pine	12.30	(2)	18.14	35.99	37.83	45.33	40.54	44.79	48.45	43.22	39.06
Yellow pine	8.46	9.96	12.69	28.71	19.42	29.82	26.55	26.46	26.54	23.77	24.62
Western yellow pine	9.70	11.30	15.39	27.75	26.95	33.09	27.73	27.70	26.63	26.04	26.35
White fir	(2)	(2)	13.10	25.66	21.37	23.84	21.69	22.51	20.15	199.2	20.00
White pine	12.69	14.93	18.16	32.83	30.03	34.85	32.66	32.58	31.36	29.90	28.71
HARDWOODS											
Ash	15.84	18.77	24.44	52.69	38.18	50.35	49.54	48.46	48.07	43.82	45.61
Basswood	12.84	16.86	19.50	40.03	33.09	45.60	41.94	39.76	37.07	39.84	39.73
Beech	(2)	(2)	13.25	29.98	26.99	30.22	29.95	29.21	27.84	27.71	28.63
Birch	12.50	15.44	16.95	35.79	31.53	43.33	43.83	41.68	40.80	41.03	40.30
Chestnut	13.37	13.78	16.12	32.30	27.87	29.75	25.07	30.37	20.54	29.35	31.09
Cottonwood	10.37	14.92	18.05	32.24	25.05	30.19	29.43	26.70	34.47	30.92	27.54
Elm	11.47	14.45	17.52	36.39	29.63	43.53	38.63	36.41	37.13	36.22	37.89
Gum, red and sap	9.63	10.87	13.20	32.68	22.46	32.35	30.24	31.39	33.73	31.82	31.91
Hickory	18.78	23.94	30.80	44.37	36.60	46.39	52.24	39.25	51.20	37.08	38.83
Maple	11.83	14.94	15.77	35.56	30.34	41.59	40.36	39.18	37.21	35.35	36.31
Oak	13.78	17.51	20.50	37.87	30.56	39.08	36.13	37.00	35.67	35.72	35.23
Sycamore	11.04	(2)	14.37	30.32	22.55	30.25	29.31	31.11	29.49	29.31	30.06
Tupelo	(2)	(2)	11.87	28.42	18.59	24.90	25.86	24.66	26.71	26.71	25.51
Yellow poplar	14.03	18.99	25.39	41.65	37.31	51.29	44.38	43.44	38.63	38.58	40.99
Walnut	36.49	45.64	43.79	72.13	88.83	109.38	103.66	111.53	113.57	111.64	112.54

[1] Including minor species. [2] No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

No. 713.—VENEERS: Timber Consumed in Manufacturing Veneers

[In thousands of feet, log scale]

State	1909	1923	1925	1927	Kind of wood	1909	1923	1925	1927
Total	435, 981	645, 793	734, 599	961, 561	DOMESTIC				
Alabama	14, 565	43, 214	38, 561	41, 424	Basswood	13, 715	8, 771	9, 413	11, 885
Arkansas	26, 116	64, 117	58, 122	57, 611	Birch	24, 643	43, 936	51, 490	51, 331
Florida	33, 293	49, 016	29, 999	77, 321	Cottonwood	30, 842	40, 404	39, 869	43, 456
Illinois	35, 646	13, 722	11, 967	11, 414	Douglas fir	1, 111	55, 123	101, 869	101, 220
Kentucky	19, 356	25, 020	23, 309	24, 193	Elm	16, 254	9, 570	8, 503	16, 945
Louisiana	3, 164	23, 728	34, 395	35, 012	Maple	35, 444	23, 310	23, 922	24, 706
Mississippi	7, 563	45, 496	57, 263	80, 218	Red gum	129, 930	220, 703	237, 465	250, 247
New York	24, 218	16, 382	34, 095	27, 364	Tupelo	18, 476	36, 396	48, 311	113, 729
North Carolina	19, 984	53, 196	64, 040	78, 171	Walnut	2, 400	15, 452	17, 573	20, 786
Oregon	3, 291	26, 369	29, 793	32, 091	Oak	35, 403	25, 274	20, 661	19, 502
South Carolina	2, 944	20, 783	29, 669	35, 311	Yellow pine	48, 143	65, 100	45, 818	92, 153
Tennessee	30, 574	30, 983	40, 454	25, 586	Yellow poplar	28, 826	45, 376	50. 770	56, 809
Virginia	21, 609	21, 179	26, 416	33, 319	All other	32, 905	58, 373	65, 201	141, 134
Washington	5, 419	53, 510	112, 484	140, 319	IMPORTED				
Wisconsin	31, 737	37, 513	34, 292	37, 864	Mahogany	16, 057	6, 664	7, 471	11, 954
All other	156, 502	121, 565	119, 135	224, 343	Spanish cedar	5, 140	2, 714	5, 149	4, 829
					All other	3, 353	961	1, 114	785

Source: Bureau of the Census, Department of Commerce.

No. 714.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2,523,998	12,102,017	1921	1,970,696	6,843,187
1904	2,647,847	14,546,551	1922	2,940,714	8,131,242
1909	3,703,195	14,907,371	1923	3,328,013	7,506,869
1915	2,745,134	8,459,378	1924	2,961,200	6,862,385
1917	2,281,738	8,696,513	1925	3,161,137	7,324,027
1918	1,362,187	5,690,182	1926	3,083,130	6,008,346
1919	1,724,078	9,192,704	1927	2,372,333	6,443,868
1920	1,952,983	6,156,416	1928	1,903,887	5,603,090

States	Lath				Shingles			
	1909	1919	1927	1928	1909	1919	1927	1928
Alabama	50,979	42,502	34,084	45,780	245,871	62,241	10,747	9,139
Arkansas	78,362	72,827	31,598	35,412	208,080	98,937		328
California	32,615	43,042	84,941	93,025	574,342	191,331	122,314	85,937
Florida	55,741	76,402	101,217	93,795	283,206	128,286	46,606	29,611
Georgia	58,704	19,718	4,575	8,567	443,260	114,806	7,350	6,204
Idaho	86,740	69,150	108,337	93,060	62,308	22,657	9,464	12,499
Louisiana	377,708	199,018	186,167	103,775	757,868	300,784	72,109	36,111
Maine	337,086	104,223	117,756	66,713	598,131	188,576	50,854	60,571
Michigan	218,308	51,469	30,390	26,901	891,649	144,173	31,538	21,204
Minnesota	478,008	115,741	131,281	80,547	74,818	4,451	110	125
Mississippi	90,926	96,204	144,453	115,808	151,303	34,002	11,754	9,942
Montana	35,430	21,362	19,314	15,416	525	253	68	22
North Carolina	70,724	19,079	14,616	11,543	280,942	92,139	15,588	25,728
Oregon	161,512	122,848	273,066	251,093	293,644	536,066	309,818	230,641
Texas	59,627	35,916	82,015	55,880	137,719	13,581	1,917	3,342
Virginia	127,555	27,073	14,317	10,272	39,172	1,637	50	42
Washington	451,384	339,058	766,109	584,493	8,870,467	7,095,122	5,690,579	5,019,001
West Virginia	150,320	22,005	58,204	53,064	6,829	120		
Wisconsin	209,845	138,936	95,332	87,376	392,863	96,928	54,096	33,635
All other	481,121	107,505	74,555	62,367	585,374	72,114	8,846	4,548

No. 715.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

NOTE.—Production of wooden hoops in 1923 was 153,954,000; in 1925, 149,167,000; and in 1927, 134,596,000, nearly all elm

Year and State	Staves (thousands)		Heading (thousand sets)		Kind of wood	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack		Tight	Slack	Tight	Slack
1909	379,231	2,029,548	20,691	140,234	1927				
1919	353,825	1,121,324	24,274	87,381	Oak	139,827	6,985	10,630	28
1921	255,047	893,621	20,505	66,747	Gum	22,749	315,270	2,480	10,348
1923	222,507	893,682	19,342	80,477	Pine	25,947	236,358	2,135	32,424
1925	240,023	937,597	23,052	71,371	Douglas fir	45,299	38,566	3,243	1,607
1927	324,127	961,782	26,445	59,337	Hemlock	601	6,492	236	169
1927					Ash	5,315	62,866	421	158
Alabama	9,837	32,857	(1)	20,606	Elm	369	100,065	11	326
Arkansas	55,136	271,861	5,194	(1)	Tupelo	220	76,621		2,970
Florida	(1)	23,215	(1)	717	Cottonwood	103	41,595		842
Georgia	8,154	18,272	(1)	7,462	Birch	128	633	7	2,922
Louisiana	22,118	59,287	2,378	1,484	Beech		1,386		1,326
Maine		8,337	(1)	438	Spruce	81,934	35,125	7,142	2,605
Massachusetts		300		765	Maple	137	192	28	455
Mississippi	11,695	77,953	(1)	(1)	Poplar		12,499		242
Missouri	7,409	90,942	(1)	(1)	Basswood	107	899	11	1,323
New Hampshire	24,480	1,332	1,838	288	All other	1,386	26,231	100	1,502
North Carolina	(1)	78,134	(1)	3,486					
Tennessee	16,541	30,498	1,712	(1)					
Virginia		123,013		3,498					
Washington	(1)	13,780	(1)	1,014					
All other	158,757	131,995	15,323	19,579					

[1]Included in "All other" to avoid disclosing the data reported by individual establishments.

Sources of Tables 714 and 715: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 716.—PULPWOOD: CONSUMPTION BY MILLS, AND MILL COST

NOTE.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill

Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost	
		Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord
1899	1,986,310	9,838	$4.95	1920	6,114,072	116,496	$19.03	1925	6,003,821	94,340	$15.48
1905	3,192,123	17,736	5.56	1921	4,557,179	91,589	20.10	1926	6,766,007	101,229	14.96
1909	4,001,607	34,478	8.62	1922	5,548,842	89,895	16.20	1927	6,750,935	95,452	14.14
1914	4,470,763	39,408	8.81	1923	5,872,870	95,306	16.23	1928	7,160,100	97,024	13.55
1919	5,447,832	87,386	15.95	1924	5,768,082	92,672	16.07				

Kind of wood	Total consumption (cords)				Consumption by processes,[1] 1928 (cords)				Average cost per cord, 1928
	1909	1919	1925	1928	Mechanical	Sulphite	Soda	Sulphate	
Total	4,001,607	5,477,832	6,093,821	7,160,100	1,558,818	3,196,939	928,300	1,435,252	$13.55
Spruce:									
Domestic	1,653,249	2,313,419	2,253,219	2,000,433	870,008	1,070,491	6,020	53,914	17.04
Imported	768,332	873,795	818,143	1,063,348	413,823	610,022	29,529	9,974	19.21
Hemlock:									
Domestic	559,657	795,154	1,013,109	1,158,958	105,190	860,628	4,770	188,370	10.63
Imported			21,705	18,677	3,095	14,982			11.02
Yellow pine (southern)	90,885	234,463	531,157	925,698	7,125	7,205	92,844	818,524	7.68
Poplar:									
Domestic	302,876	180,160	206,982	225,194	21,934	13,087	190,058	115	13.59
Imported	25,622	158,220	195,938	199,871	1	11	193,288	6,571	16.08
Balsam fir:									
Domestic	95,366	288,814	214,600	257,379	56,949	137,810		62,620	13.51
Imported			52,590	102,287	27,094	67,880		7,313	18.12
Yellow poplar	[2]	72,605	145,871	122,738	53		122,685		12.23
Jack pine	[3]	51,581	102,040	175,957	9,553	20	100	151,339	11.20
White fir	37,176	31,138	84,305	105,161	27,494	75,602		2,065	9.83
Tamarack or larch	[4]	44,042	76,585	67,394		327		67,067	12.53
Gum	[4]	30,355	43,386	72,611			70,422		12.69
Other wood	219,467	220,005	177,975	208,789	2,403	2,692	200,386	3,308	10.44
Slabs and mill waste	248,977	175,081	156,216	455,605	13,496	336,182	18,198	64,072	5.49

[1] In addition there were 40,791 cords of semichemical pulpwood consumed.
[2] Included in domestic poplar. [3] Included in yellow pine. [4] Included in "Other wood."

No. 717.—WOOD PULP PRODUCTION: TOTAL AND BY STATES AND PROCESSES

NOTE.—In 1928, 1,546,240 tons of mechanical pulp were not steamed and 64,748 tons steamed; of the other chemical pulp (sulphite, soda, and sulphate) 1,572,693 tons were unbleached and 1,249,031 bleached

Year	Tons	Year	Tons	Year	Tons	Year	Tons
1899	1,179,525	1914 [1]	2,893,150	1923 [1]	3,788,672	1926 [1]	4,394,766
1904	1,921,768	1919 [1]	3,517,952	1924	3,723,266	1927 [1]	4,313,403
1909	2,495,523	1921 [1]	2,875,601	1925 [1]	3,962,217	1928 [1]	4,510,800

State and process	1909 [2]	1919	1921	1923	1925	1927 [2]	1928 [2]
Principal States:							
Maine	620,705	916,764	710,329	901,007	917,632	942,162	970,690
New York	679,534	811,958	606,869	700,199	770,777	710,227	633,182
Wisconsin		506,549	488,501	577,993	599,601	690,921	720,781
Pennsylvania		215,686	167,310	236,900	224,399	216,587	218,598
New Hampshire		232,134	152,797	188,323	217,489	200,324	198,587
Michigan		106,194	103,532	138,034	161,063	193,539	196,208
Minnesota		129,560	117,934	170,609	171,536	191,220	194,399
Washington		83,575	95,161	136,943	161,858	268,349	349,107
West Virginia		39,195	27,623	23,072	27,167		
Vermont		85,945	41,945	70,840	46,597	32,562	19,831
California and Oregon		123,990	124,494	162,653	160,736	200,869	213,407
Other States	1,195,284	266,402	239,106	422,099	503,362	666,643	347,012
Process:							
Mechanical	1,179,266	1,518,829	1,267,382	1,580,553	1,612,019	1,610,409	1,610,988
Sulphite	1,017,631	1,419,829	1,166,926	1,448,690	1,403,086	1,552,699	1,558,858
Soda	298,626	411,693	300,533	445,162	472,647	487,478	488,641
Sulphate		120,378	140,760	314,267	409,768	603,253	774,225
Semichemical						11,983	29,967

[1] Total includes screenings. [2] Blank spaces indicate figures not reported separately.

Sources of Tables 716 and 717: Bureau of the Census, Department of Commerce.

No. 718.—PAPER AND WOOD PULP: CENSUS STATISTICS OF PRODUCTION

NOTE.—The total value of products involves duplication due to the use of pulp produced by certain plants as material in other plants. Pulp made and consumed in the same plant is not included

Item	Quantity (thousands of short tons)			Value (thousands of dollars)		
	1914	1925	1927	1914	1925	1927
All products, value				332,147	971,882	[1] 919,891
Total paper	5,270	9,182	10,002	291,588	862,589	872,207
Standard newsprint, in rolls and sheets	1,313	1,563	1,517	52,943	106,083	98,782
Hanging papers	97	105	113	4,589	9,506	9,035
Poster, novel, tablet, lining, etc.	8	84	[2] 183	491	7,096	[2] 15,573
Book paper	904	1,343	1,329	70,102	177,292	160,869
Cover paper	22	24	26	2,809	5,806	5,938
Writing paper (fine)	248	474	509	34,055	105,474	105,148
Wrapping paper (other than bag, tag board, etc.)	882	1,147	1,285	49,373	125,967	137,138
Bag paper (all kinds)	([3])	124	199	([3])	14,617	20,143
Tag board, light manila board, and pattern	[4] 29	21	41	[4] 1,935	3,004	5,299
Boards	1,292	3,287	[3] 3,774	44,869	192,942	211,264
Tissue paper	115	281	316	11,536	45,735	46,617
Blotting paper	14	13	13	1,458	2,585	2,700
Building and sheathing, felts, and roofing	[5] 244	555	[5] 626	[5] 9,476	44,031	[5] 40,062
Other paper	102	161	71	8,052	22,451	13,639
Wood pulp, for sale or transfer to other mills	912	913	([6])	31,678	55,200	([6])
Other products [7]				8,881	54,093	111,922

[1] Exclusive of $64,236,990, the value of paper and paper boards produced and used as materials in converting plants operated by the companies reporting.
[2] Includes catalogue. [3] Not reported separately. [4] "Tag stock (rope, jute, and sulphite)."
[5] Reported as building, roofing, asbestos, etc., in 1914; as sheathing, felts, and asbestos filled in 1927.
[6] Not available. [7] Largely paper bags, boxes, and containers.

No. 719.—TURPENTINE AND ROSIN PRODUCTION

Year [1]	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
1899	37,733,500	37,733,500	([2])	2,434,933	2,434,933	([2])
1904	31,129,236	30,687,051	442,185	1,964,674	1,964,674	([2])
1909	29,714,132	28,988,954	706,868	1,827,760	1,827,760	([2])
1914	27,648,939	26,980,981	575,557	1,649,160	1,615,643	29,022
1919	19,228,174	17,693,841	1,534,333	1,269,717	1,138,660	131,057
1921	24,820,620	24,378,854	441,766	1,690,071	1,661,624	29,347
1923	29,781,944	27,174,580	2,607,364	1,990,865	1,790,087	200,778
1924	29,333,450	26,072,200	3,261,250	2,018,296	1,760,765	257,531
1925	27,261,425	23,922,250	3,339,175	1,903,370	1,618,866	284,504
1926	29,483,055	[3] 25,500,000	[4] 3,983,055	2,105,480	[3] 1,740,000	[4] 365,480
1927	35,882,258	31,549,082	4,333,176	2,524,000	2,071,813	452,187

PRODUCTION FROM CRUDE GUM	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1914	1919	1925	1927	1914	1919	1925	1927
Alabama	2,721,777	2,037,005	1,557,200	2,179,710	165,099	120,839	102,775	144,381
Florida	12,363,232	6,992,489	8,649,050	10,275,713	733,772	486,432	570,837	711,852
Georgia	6,228,041	3,997,310	10,301,750	15,060,761	347,931	234,690	679,915	953,923
Mississippi	2,385,054	1,749,812		{1,879,418	{154,115	115,984		{117,688
Louisiana	2,252,118	1,885,231	2,914,250	{1,357,929	{150,703	112,900	192,339	{93,501
Texas	647,160	906,404			{41,639	60,179		
North Carolina and South Carolina	383,599	325,590	500,000	795,551	22,294	7,636	33,000	50,368

[1] The figures of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.
[2] Not reported.
[3] Estimated: Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.
[4] Compiled by J. E. Lockwood, Hercules Powder Co., and Bureau of Chemistry, Department of Agriculture.

Sources of Tables 718 and 719: Bureau of the Census, Department of Commerce.

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30.—FISHERIES

No. 720.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Total		Maine		New Hampshire	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880		12,503.0		2,742.6		170.6
1889	653,170	10,550.6	129,560	2,111.2	4,355	88.5
1898	393,458	9,682.3	123,405	2,654.9	3,021	49.0
1902	534,075	12,406.3	242,390	2,918.8	1,593	50.0
1905	480,284	14,184.2	124,724	2,386.4	1,036	51.9
1908	530,029	15,139.0	173,843	3,257.0	677	53.0
1919	467,340	19,838.7	147,956	3,389.0	529	92.7
1924	406,822	18,818.1	116,707	4,137.0	447	56.0
1928	603,598	25,619.9	123,326	4,231.1	239	45.5

	Massachusetts		Rhode Island		Connecticut	
1880		7,959.8		698.8		933.2
1889	299,218	5,858.3	127,365	935.1	39,750	1,567.5
1898	202,258	4,463.7	32,854	955.1	31,920	1,559.6
1902	230,646	6,482.4	21,614	1,155.7	37,332	1,799.4
1905	255,654	7,025.2	23,896	1,546.7	74,973	3,173.9
1908	244,313	7,095.0	44,254	1,752.0	66,942	2,982.0
1919	246,951	10,859.7	48,251	3,296.6	23,653	1,700.6
1924	243,363	10,799.6	20,535	1,818.9	25,770	2,006.7
1928	380,169	15,648.8	27,066	2,397.9	72,198	3,296.6

MIDDLE ATLANTIC STATES

Calendar year	Total		New York		New Jersey		Pennsylvania		Delaware	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	408,203	8,439.1	329,453	4,225.7	66,151	3,176.6	1,680	89.1	11,918	997.7
1890	299,104	8,645.1	192,471	4,602.2	88,730	3,447.4	7,849	328.2	10,054	267.3
1897	227,590	7,527.7	100,556	3,391.6	103,783	3,614.4	5,604	269.5	8,648	252.1
1901	357,888	9,104.7	228,092	3,894.3	117,931	4,755.5	6,030	251.5	5,835	203.4
1904	375,412	10,043.1	277,650	6,230.6	90,108	3,385.4	2,046	167.5	5,608	259.6
1908	221,450	8,280.0	71,474	4,390.0	74,827	3,069.0	4,380	280.0	70,769	541.0
1921	332,932	11,667.4	210,377	4,986.9	96,937	5,983.4	595	44.6	25,023	652.4
1926	168,012	12,456.3	60,721	5,128.7	73,290	6,254.3	735	43.3	33,258	1,030.0

CHESAPEAKE BAY STATES

Calendar year	Total		Maryland		Virginia	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	254,587	8,346.2	95,713	5,221.7	158,875	3,124.4
1890	329,188	9,655.5	143,906	6,019.2	185,283	3,636.4
1897	366,582	6,796.8	88,588	3,617.3	277,994	3,170.5
1901	461,159	8,380.8	82,975	3,767.5	378,183	4,613.4
1904	436,445	8,920.9	81,129	3,336.6	355,316	5,584.4
1908	426,311	8,022.0	113,796	3,306.0	312,515	4,716.0
1920	530,750	12,740.4	59,531	4,198.7	471,219	8,541.7
1925	333,206	13,948.1	56,978	4,863.4	276,228	9,084.6

SOUTH ATLANTIC STATES

Calendar year	Total		North Carolina		South Carolina		Georgia		Florida (east coast only)	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	42,952	1,256.6	32,249	845.7	6,143	212.5	2,272	120.0	2,287	78.4
1890	67,202	1,573.7	51,799	1,027.7	4,945	202.6	2,994	123.6	7,464	219.9
1897	80,390	1,833.2	64,234	1,316.0	5,280	210.5	4,993	170.6	5,883	136.1
1902	106,446	2,839.6	67,585	1,739.7	8,174	263.0	11,103	359.1	19,584	477.9
1908	166,875	4,034.0	101,422	1,776.0	14,104	288.0	14,828	701.0	36,521	1,269.0
1918	332,614	5,348.6	210,502	2,978.7	3,747	207.7	37,154	416.0	81,211	1,746.2
1923	228,748	5,086.3	95,192	2,414.5	6,763	284.8	39,896	668.1	86,896	1,719.9
1927	260,669	5,695.9	144,466	2,777.4	8,374	350.4	47,007	697.2	60,222	1,870.9
1928	258,440	6,027.2	141,899	2,629.2	7,432	316.8	42,069	866.3	67,040	2,214.9

No. 720.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

GULF STATES

Calendar year	Total		Florida (west coast only)		Alabama	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	23,561	1,227.5	8,376	564.8	3,542	119.3
1890	69,076	2,438.7	27,419	1,064.1	4,777	154.9
1897	65,361	2,271.7	28,255	944.8	4,699	134.4
1902	113,697	3,494.2	48,120	1,462.2	9,351	266.7
1908	118,274	4,860.0	37,566	2,120.0	10,665	387.0
1918	130,924	6,510.3	54,754	3,420.4	5,609	230.6
1923	160,324	8,096.7	73,266	4,026.2	7,631	341.6
1927	195,705	9,965.8	73,835	4,351.4	10,076	437.2
1928	191,007	9,866.3	61,121	3,866.5	14,466	586.8

Calendar year	Mississippi		Louisiana		Texas	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	788	22.5	6,996	392.6	3,859	128.3
1890	8,131	245.7	20,789	660.1	7,959	313.8
1897	7,830	192.3	17,402	713.6	7,175	286.6
1902	23,427	553.2	24,754	858.3	8,044	353.8
1908	17,302	459.0	42,302	1,448.0	10,439	446.0
1918	20,592	762.8	24,954	1,419.4	25,015	677.2
1923	25,032	985.7	34,835	1,961.1	19,560	782.0
1927	34,503	1,259.4	56,208	2,863.5	21,083	1,054.3
1928	30,701	1,060.1	69,507	3,477.9	15,212	875.0

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1888	71,883	2,993.1	23,400	890.9	25,169	1,010.8	23,313	1,091.4
1892	123,117	4,827.0	36,757	931.6	28,521	872.4	57,838	3,023.0
1899	219,338	6,316.2	121,630	2,884.9	23,246	862.9	74,462	2,568.4
1904	168,600	6,680.9	88,955	2,972.6	27,535	1,185.1	52,110	2,523.1
1908	176,150	6,839.0	100,456	3,513.0	28,217	1,356.0	47,477	1,970.0
1915	286,205	9,300.7	158,983	5,317.1	34,708	1,495.5	92,513	2,488.1
1922	282,968	12,983.6	69,470	4,953.9	22,372	1,255.7	191,127	6,774.0
1923	404,949	19,042.1	111,262	7,800.7	32,883	3,504.4	260,805	7,737.1
1924	477,515	20,416.5	93,042	7,487.7	39,578	3,203.6	344,895	9,725.1
1925	624,022	25,510.4	143,714	10,406.3	40,007	3,442.4	440,301	11,661.7
1926	521,286	18,914.7	89,637	7,942.3	32,998	3,068.0	398,651	7,904.3
1927	651,197	22,306.6	125,658	9,145.4	34,195	3,102.9	491,347	10,058.3
1928	693,484	20,512.8	82,874	7,500.8	27,474	2,686.3	583,136	10,325.7

GREAT LAKES

Calendar year	Total[1]		Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1885	99,842	2,691.9	8,826	291.5	23,518	878.8	11,457	276.4	51,457	1,109.1
1890	113,899	2,471.8	6,116	221.0	26,434	830.5	10,056	221.1	64,851	1,000.9
1893	96,020	2,270.6	8,097	252.1	30,748	828.6	12,064	306.4	42,968	806.0
1899	113,727	2,611.4	5,430	150.9	34,500	876.7	12,418	308.1	58,394	1,150.9
1903	86,195	2,745.5	13,205	343.7	33,579	1,090.6	14,455	450.3	23,189	780.0
1908	106,631	3,768.0	10,198	342.0	40,019	1,554.0	12,932	486.0	41,922	1,280.0
1917	103,759	6,298.0	15,447	726.7	35,461	2,270.9	13,363	857.5	38,300	2,330.2
1922	108,732	6,689.6	10,988	484.3	26,128	2,133.8	13,942	945.3	56,338	2,977.1
1926[2]	72,908	6,444.6	13,436	760.5	20,495	2,077.6	13,132	1,261.0	25,057	2,246.5
1927[2]	79,188	6,614.8	15,302	918.1	23,681	2,354.8	15,711	1,444.4	23,796	1,831.3
1928[2]	63,368	5,960.8	13,132	772.7	17,999	2,332.5	9,943	1,024.0	19,643	1,573.9

[1] Includes small amounts for Lake Ontario, Lake-of-the-Woods, Namakan Lake, Rainy Lake, Lake St. Clair, and St. Clair and Detroit Rivers not shown separately.

[2] Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries. Totals for 1928 do not agree with those in Table 721, which includes certain regions and species not included in the State reports.

No. 720.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

MISSISSIPPI RIVER AND TRIBUTARIES

	Total	
	1,000 pounds	*1,000 dollars*
1894	44,545	1,384.6
1899	96,797	1,781.0
1903	93,374	1,841.2
1908	148,284	3,125.0
1922	105,734	4,503.5
Mississippi River [3]		
1894	21,242	587.8
1899	68,004	823.0
1903	53,851	1,157.4
1922	33,945	1,645.3

Tributary	1922	
	1,000 pounds	*1,000 dollars*
Arkansas River	2,034	136.3
Atchafalaya River [4]	4,579	254.7
Cumberland River	728	14.7
Illinois River [3]	12,601	617.3
Missouri River [3]	1,232	105.2
Ohio River [3]	7,458	379.1
Red River [3]	6,677	324.5
St. Francis River [3]	3,684	108.9
Tennessee River [3]	4,990	98.3
Wabash River [3]	12,063	357.8
White River (Missouri and Arkansas) [4]	14,662	405.9
Yazoo River	1,022	55.6

[3] Including minor tributaries.
[4] Not included with Mississippi River and tributaries, 1899 to 1908.
[3] Including tributaries.

No. 721.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA

Section	Fishermen	Fishing vessels	Fishing boats	Persons on transporters	Transporting vessels	Products	
						Quantity	Value
	Number	*Number*	*Number*	*Number*	*Number*	*1,000 pounds*	*1,000 dollars*
Total, various years	**128,338**	**4,534**	**82,694**	**4,038**	**1,561**	**3,089,908**	**116,384**
New England States (1928)	16,659	708	11,648	382	168	603,598	25,620
Middle Atlantic States (1926)	9,971	617	4,504	89	63	168,012	12,456
Chesapeake Bay States (1925)	24,793	574	17,021	985	523	333,206	13,048
South Atlantic States (1928)	11,882	193	7,459	233	112	258,440	6,027
Gulf States (1928) [1]	16,632	518	10,884	85	37	194,684	10,035
Pacific Coast States (1928)	19,733	810	7,817	356	126	[2]705,111	20,512
Mississippi River States (1922)	12,310	-------	15,538	30	13	105,734	4,504
Lake States (1928) [3]	5,438	380	2,403	162	103	69,700	6,198
Alaska (1929)	10,921	734	5,420	1,716	416	651,423	17,084

[1] Includes Lake Okeechobee not included in totals shown for Gulf States in Table 720.
[2] All salt fish converted to equivalent of fresh fish, while in Table 720 the cod has not been converted.
[3] Transporters and persons on transporters are for 1922.

No. 722.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY AMERICAN FISHING AND COLLECTING VESSELS

Species	Quantity in thousands of pounds				Value in dollars			
	1926	1927	1928	1929	1926	1927	1928	1929
Grand total	**32,418**	**31,515**	**33,773**	**39,671**	**3,598,741**	**3,620,731**	**3,147,362**	**4,029,074**
Landed by fishing vessels	**13,372**	**15,733**	**17,547**	**16,257**	**1,896,677**	**2,009,404**	**1,755,959**	**1,996,468**
Halibut	10,051	11,795	13,734	12,359	1,738,015	1,786,815	1,594,573	1,791,767
Sablefish	2,083	2,426	2,252	2,251	107,673	159,209	105,486	137,802
Lingcod	821	973	957	1,070	33,356	40,294	33,173	41,362
Rockfishes	309	531	575	577	16,720	22,036	21,292	25,448
Sturgeon	18	8	29	-------	913	450	1,435	----------
Landed by collecting vessels	**19,047**	**15,782**	**16,226**	**23,414**	**1,702,064**	**1,251,327**	**1,391,403**	**2,032,606**
Salmon—								
Humpback or pink	47	646	223	3,204	1,022	29,660	7,056	141,638
Chum or keta	2,009	2,361	2,439	5,001	82,326	101,340	122,605	251,000
King or spring	10,631	7,680	7,066	8,174	1,203,100	776,480	860,049	1,071,023
Coho or silver	4,106	3,009	3,578	4,604	317,500	241,920	298,662	420,600
Sockeye or red	97	94	102	133	9,650	9,400	11,190	19,650
Trout, steelhead	110	117	135	89	11,040	11,230	13,980	12,711
Smelt	160	202	219	142	16,870	22,560	26,225	20,003
Sole	281	371	310	287	11,346	14,540	10,376	14,020
Crabs	447	301	273	608	29,245	20,505	19,450	41,105
Miscellaneous	1,069	1,001	1,881	1,172	19,965	23,692	21,810	40,796

Source of Tables 720, 721, and 722: Bureau of Fisheries, Department of Commerce.

No. 723.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pollock	Cusk	Halibut	Mackerel	Miscellaneous
	Quantity in thousands of pounds								
All three ports:									
1918	205,501	71,824	66,672	5,281	26,561	2,658	1,781	10,158	20,566
1919	196,481	65,374	82,716	4,339	18,752	2,063	2,115	5,713	15,408
1920	173,281	62,266	75,279	4,721	8,561	1,855	3,789	7,204	14,516
1921	150,865	53,515	67,413	4,536	6,945	2,098	5,666	3,384	7,308
1922	159,875	55,180	70,196	5,374	5,097	2,247	5,624	4,727	11,430
1923	174,941	62,655	73,762	6,338	4,804	2,998	4,875	11,565	7,945
1924	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925	216,869	67,250	91,886	5,306	5,290	3,713	3,561	26,210	13,153
1926	238,426	78,219	94,061	5,505	6,740	2,728	3,431	36,233	11,511
1927	263,850	63,355	128,593	5,862	7,663	2,727	4,779	31,530	19,341
1928	277,982	59,302	155,331	8,423	8,040	2,358	3,385	24,253	16,890
1929	327,096	50,647	187,204	12,051	10,565	3,483	2,690	37,743	22,707
Boston:									
1927	194,941	40,310	109,860	4,779	3,202	1,680	4,320	20,444	10,346
1928	218,388	39,956	136,840	6,590	3,087	1,573	3,316	15,305	11,721
1929	255,722	38,879	160,699	10,167	4,453	2,703	2,521	21,264	15,036
Gloucester:									
1927	52,552	20,249	11,313	228	3,646	356	43	10,554	6,163
1928	41,904	16,090	9,659	392	4,092	305	4	8,212	3,150
1929	53,880	9,774	18,864	578	5,161	224	47	14,480	4,752
Portland:									
1927	16,357	2,796	7,420	855	815	691	416	532	2,832
1928	17,690	3,256	8,832	1,441	861	480	65	736	2,019
1929	17,494	1,993	7,640	1,307	951	556	128	2,000	2,919
	Value in thousands and tenths of thousands of dollars								
All three ports:									
1918	10,531.5	3,617.2	3,190.3	273.1	962.1	103.0	302.3	1,188.9	885.7
1919	7,548.4	2,583.2	2,793.9	181.1	380.5	62.2	387.2	547.2	613.1
1920	8,227.0	2,637.6	2,740.1	153.9	202.1	48.1	741.8	763.1	880.3
1921	5,722.6	1,730.8	2,046.2	109.6	164.6	37.8	803.1	335.6	494.9
1922	5,465.9	1,635.3	1,809.4	111.3	118.0	34.6	784.1	276.0	696.8
1923	7,051.2	2,184.1	2,423.2	142.4	152.2	61.7	922.7	487.0	677.3
1924	6,993.0	2,138.3	2,308.6	186.1	159.4	68.1	789.6	541.0	801.0
1925	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,191.0	794.4
1926	9,057.7	2,647.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	880.1
1927	9,404.5	2,146.5	3,531.7	156.5	171.8	71.4	839.9	1,205.0	1,191.0
1928	10,840.1	2,198.7	5,036.5	221.7	174.4	62.7	609.0	1,355.9	1,190.2
1929	13,051.7	1,983.5	6,845.3	405.1	243.5	102.9	484.5	1,382.4	1,604.5
Boston:									
1927	7,371.5	1,458.9	3,149.1	131.3	86.1	44.9	764.1	863.2	874.0
1928	8,806.1	1,506.0	4,574.0	182.0	83.6	43.5	597.0	874.2	946.0
1929	10,736.6	1,508.5	6,016.2	351.1	122.1	81.4	459.8	912.0	1,285.5
Gloucester:									
1927	1,493.9	574.5	188.0	3.3	72.3	4.9	3.5	417.0	230.5
1928	1,477.7	567.4	222.8	7.1	76.0	4.8	0.6	446.8	152.1
1929	1,708.6	386.2	586.8	15.7	104.0	3.7	3.9	417.5	190.8
Portland:									
1927	539.0	113.0	194.7	22.0	13.5	21.6	72.4	15.4	86.6
1928	565.3	125.3	239.7	32.6	14.8	14.4	11.4	34.9	92.1
1929	606.5	88.8	242.3	38.3	17.4	17.8	20.8	52.9	128.2

No. 724 .—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA: VALUE

NOTE.—Values in thousands of dollars. See also census statistics of fish canning, Tables 702 and 806

Product	1922	1923	1924	1925	1926	1927	1928	1929
Total values	71,842	85,151	82,458	95,177	98,326	94,177	110,753	124,833
Salmon	38,421	45,534	42,402	47,370	56,219	45,729	54,638	56,086
California sardines	3,361	4,608	5,446	6,381	7,807	9,269	9,659	11,997
Maine and Massachusetts sardines	5,750	5,289	7,191	6,717	6,727	5,249	8,076	6,898
Tuna and tunalike fishes	4,373	6,915	5,757	8,499	5,282	8,368	8,374	9,873
Shrimps and crabs	3,168	4,429	4,645	3,835	4,147	5,348	5,559	5,559
Clams	1,716	1,711	2,161	1,850	2,005	2,745	2,624	2,548
Oysters	2,424	2,720	2,478	3,721	2,027	2,368	2,761	2,732
Miscellaneous canned products	1,180	1,119	2,085	2,204	1,978	2,308	4,514	5,372
Menhaden—meal, scrap, and oil	6,127	6,411	3,310	5,623	3,442	3,690	3,440	3,630
Miscellaneous by-products	5,322	6,415	6,983	8,978	8,691	9,103	11,441	20,139

Source of Tables 723 and 724: Bureau of Fisheries, Department of Commerce.

No. 725.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

Specie	Quantity				Value			
	Total	Washington	Oregon and California	Alaska	Total	Washington	Oregon and California	Alaska
Total, all species:								
1922	5,234.9	441.7	291.6	4,501.7	38,420.7	4,823.1	3,810.5	29,787.2
1923	6,403.0	975.8	391.5	5,035.7	45,533.6	7,533.4	5,127.1	32,873.0
1924	6,253.6	542.0	416.7	5,294.9	42,401.6	5,062.1	4,332.4	33,007.1
1925	6,018.6	1,132.5	426.2	4,459.9	47,369.5	10,079.5	5,300.4	31,989.5
1926	7,488.6	489.6	346.2	6,652.9	56,219.3	5,428.3	4,711.0	46,080.0
1927	5,076.6	1,091.0	413.5	3,572.1	45,728.8	10,158.2	5,554.3	30,016.3
1928	6,926.8	497.4	345.5	6,083.9	54,638.1	5,024.0	4,230.2	45,383.9
1929	6,990.7	1,278.5	342.1	5,370.1	56,085.7	10,922.4	4,693.9	40,469.4
Coho or silver:								
1927	463.6	136.7	73.8	253.1	4,366.7	1,390.2	822.5	2,154.0
1928	450.8	110.0	42.1	298.7	3,470.1	937.3	407.5	2,125.3
1929	370.7	113.8	85.0	171.9	3,343.5	1,088.7	950.3	1,304.5
Chum or keta:								
1927	663.1	88.7	56.7	507.7	3,629.6	524.3	327.8	2,777.5
1928	1,305.3	193.4	116.2	995.7	7,916.9	1,176.4	702.0	6,036.5
1929	1,126.6	208.8	53.3	864.5	6,039.8	1,123.7	294.8	4,621.3
Humpback or pink:								
1927	2,007.4	586.6	----------	1,420.8	12,204.5	3,865.8	----------	8,338.7
1928	2,793.3	6.1	----------	2,787.2	18,331.0	45.5	----------	18,285.5
1929	3,299.4	727.7	----------	2,571.7	20,455.0	4,876.6	----------	15,579.4
King, chinook, or spring:								
1927	475.7	151.1	254.2	70.4	6,984.0	2,185.3	4,007.1	791.6
1928	337.0	110.6	172.2	54.2	5,248.1	1,748.0	2,897.3	602.8
1929	351.9	96.7	183.1	72.1	5,601.0	1,607.7	3,133.5	859.8
Red or sockeye:								
1927	1,444.0	119.8	4.0	1,320.2	18,124.9	2,089.5	80.9	15,954.5
1928	2,021.3	70.2	3.0	1,948.1	19,409.6	1,015.2	60.6	18,333.8
1929	1,819.1	123.0	6.2	1,689.9	20,315.0	2,099.1	111.5	18,104.4
Steelhead:								
1927	32.8	8.1	24.7	----------	419.1	103.2	315.9	----------
1928	19.1	7.1	12.0	----------	262.4	99.6	162.8	----------
1929	23.0	8.5	14.5	----------	330.4	126.6	203.8	----------

Source: Bureau of Fisheries, Department of Commerce.

No. 726.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Unit	Quantity in thousands of unit specified					Value in thousands of dollars				
		1915	1920	1925	1928	1929	1915	1920	1925	1928	1929
Total	----------	-------	-------	-------	-------	-------	21,006	41,492	40,039	54,545	50,796
Salmon:											
Canned	Case	4,500	4,429	4,460	6,084	5,370	18,653	35,603	31,990	45,384	40,469
Fresh and frozen	Pound	3,137	5,165	5,193	7,853	5,606	219	424	395	702	539
Cured, all forms	do	4,929	3,067	6,895	7,071	6,668	341	510	1,297	1,341	1,445
By-products	do	1,922	2,071	1,738	1,740	2,202	40	105	60	61	71
Halibut, fresh and frozen.	do	15,718	15,295	10,972	31,567	37,457	812	1,727	884	3,094	4,423
Herring:											
Fresh and frozen	do	-------	-------	-------	542	117	-------	-------	-------	8	5
Cured for food	do	7,195	8,582	35,171	16,872	6,982	114	542	2,323	1,354	553
Bait	do	-------	4,085	7,087	6,553	8,921	-------	41	39	63	95
By-products	do	2,213	11,186	34,806	39,081	50,558	41	720	1,490	1,673	2,141
Cod	do	14,196	12,764	2,854	578	714	390	1,117	129	29	40
Sablefish	do	143	584	1,043	263	472	4	29	45	12	23
Other fish	do	148	110	142	89	143	10	14	10	9	13
Shrimps	do	-------	112	520	504	498	-------	49	207	202	200
Crabs	do	14	8	206	169	211	1	2	53	52	73
Clams	do	-------	222	2,066	367	704	-------	47	492	107	204
Whales:											
Oil	do	7,337	8,317	7,224	6,183	6,251	333	436	556	380	431
Fertilizer	do	2,990	3,190	2,444	2,652	2,622	48	120	57	74	69
All other	do	-------	18	797	-------	52	-------	6	12	-------	2

Source: Bureau of Fisheries, Department of Commerce.

No. 727.—CANNED SALMON: Output and Prices of Alaska Product

Yearly average or year	Total value of pack (thousands of dollars)	Output, equivalent in thousands of cases of forty-eight 1-pound cans						Average price in dollars per case of forty-eight 1-pound cans				
		Total	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910–1914	14,885	3,423	129	439	1,040	42	1,771	4.55	2.94	3.14	5.25	5.44
1915	18,653	4,500	124	480	1,876	88	1,932	4.31	2.59	2.78	4.63	5.82
1916	23,289	4,901	261	724	1,738	66	2,111	5.34	3.34	3.64	5.36	6.04
1917	46,304	5,947	193	907	2,297	62	2,488	8.76	6.14	6.44	10.40	9.48
1918	51,042	6,606	219	1,365	2,439	49	2,534	9.15	6.27	6.58	9.85	9.44
1919	43,265	4,584	233	1,306	1,612	96	1,278	11.27	6.82	8.35	13.13	12.98
1920	35,603	4,429	192	1,034	1,593	110	1,501	9.13	4.19	5.47	10.97	13.05
1921	19,633	2,597	107	255	424	45	1,766	5.63	3.68	4.21	10.22	8.96
1922	29,787	4,502	176	566	1,658	31	2,071	5.47	3.98	4.34	8.08	9.24
1923	32,873	5,086	164	526	2,448	38	1,859	5.74	4.65	4.86	8.56	9.24
1924	33,007	5,295	184	1,028	2,601	34	1,448	6.83	4.68	4.93	8.89	9.53
1925	31,990	4,460	161	1,079	2,111	50	1,060	9.72	4.44	5.28	11.91	13.12
1926	46,080	6,653	203	902	3,338	52	2,157	8.40	5.01	5.39	10.37	9.89
1927	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	5.87	11.25	12.08
1928	45,384	6,084	299	996	2,787	54	1,948	7.12	6.06	6.56	11.13	9.41
1929	40,469	5,370	172	864	2,572	72	1,690	7.59	6.35	6.06	11.92	10.71

No. 728.—FISH PROPAGATION: Output of Fish Eggs, Fry, and Fingerlings, by United States Bureau of Fisheries, Years Ended June 30

[All quantities expressed in thousands]

Year	Total	Eggs	Fry	Fingerlings	Cost per million [1]
1895	619,910	55,408	561,894	2,613	$292.64
1900	1,164,337	88,682	1,070,757	4,898	250.00
1915	4,288,758	536,260	3,694,282	58,216	131.55
1920	4,770,356	630,749	3,872,218	267,388	130.11
1927	4,962,489	1,109,637	3,626,263	226,590	128.06
1922	5,125,101	1,068,981	3,716,688	339,432	120.36
1923	4,314,850	1,463,730	2,586,812	264,316	143.30
1924	5,361,811	1,237,582	3,863,848	260,381	115.25
1925	5,301,862	1,050,393	4,114,514	136,954	135.61
1926	5,232,240	737,135	4,195,939	299,166	142.50
1927	6,481,073	1,523,458	4,767,113	190,502	116.30
1928	7,036,317	2,253,244	4,521,439	261,634	119.37
1929	7,060,369	2,861,236	4,062,948	136,185	$125.55

Species	1929		
	Eggs	Fry	Fingerlings
Catfish			888
Buffalo fish	49,369		34
Common sucker	1,800		
Carp	24,300	2,500	31
Shad		71,351	
Glut herring		11,500	
Whitefish	3,000	94,295	
Cisco	9,200	123,000	
Chinook salmon	14,419	925	39,049
Chum salmon	765	19,153	49
Silver salmon	2,101	6,049	1,398
Sockeye salmon	6,432	2,640	54,176
Humpback salmon	1,852		
Steelhead salmon	1,979	112	1,428
Atlantic salmon	345		572
Landlocked salmon	110	15	543
Rainbow trout	4,685	635	7,399
Golden trout			9
Black-spotted trout	11,842		7,242
Loch Leven trout	7,713	5	1,496
Lake trout	2,184	26,100	2,051

Species	1929		
	Eggs	Fry	Fingerlings
Brook trout	1,542	2,407	12,906
Grayling		1,765	
Pike and pickerel			34
Mackerel		2,778	
Crappie			1,898
Largemouth black bass		696	1,728
Smallmouth black bass		664	155
Rock bass			79
Warmouth bass			6
Sunfish			2,158
Pike perch	28,600	52,150	
Yellow perch		192,923	188
Striped bass		9,661	
Cod	2,228,122	274,033	
Haddock	351,442		
Pollock		358,442	
Winter flounder	109,434	2,809,149	
Miscellaneous fish			662

[1] Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Sources of Tables 727 and 728: Bureau of Fisheries, Department of Commerce.

31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Porto Rico. Index numbers of mineral production are shown in Table 809, p. 828]

No. 729.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. See general note above

Yearly average or year	Total	Metallic	Nonmetallic	Unspecified	Year	Total	Metallic	Nonmetallic	Unspecified
1881–1885	426	191	229	6	1911	1,924	681	1,243	(1)
1886–1890	541	248	292	1	1912	2,238	862	1,375	(1)
1891–1895	592	244	347	1	1913	2,434	879	1,554	(1)
1896–1900	828	366	461	1	1914	2,111	687	1,424	(1)
1901–1905	1,392	578	813	1	1915	2,395	992	1,400	2
1906–1910	1,887	769	1,118	(1)	1916	3,508	1,621	1,884	3
1911–1915	2,220	820	1,399	1	1917	4,992	2,086	2,900	6
1916–1920	5,124	1,796	3,322	5	1918	5,541	2,153	3,381	7
1921–1925	5,155	1,153	3,998	5	1919	4,596	1,360	3,233	3
1901	1,155	493	661	1	1920	6,981	1,762	5,214	5
1902	1,329	605	722	1	1921	4,139	654	3,482	3
1903	1,495	589	906	1	1922	4,647	987	3,656	4
1904	1,359	501	858	(1)	1923	5,987	1,511	4,472	4
1905	1,624	703	921	(1)	1924	5,306	1,232	4,068	6
1906	1,901	886	1,015	(1)	1925	5,678	1,380	4,291	6
1907	2,070	904	1,165	(1)	1926	6,214	1,403	4,803	8
1908	1,592	551	1,041	(1)	1927	5,530	1,218	4,304	8
1909	1,887	755	1,132	(1)	1928	5,385	1,285	4,091	9
1910	1,988	750	1,238	(1)	1929	5,330	1,476	4,343	11

[1] Less than $500,000.

Source: Bureau of Mines, Department of Commerce.

No. 730.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask[1]) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin [2] (New York)	Zinc (St. Louis)	Aluminum (New York)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896–1900	[3] 13.41	3.84	19.54	[4] 4.55	37.15	8.204	42.17	[4] 16.66
1901–1905	13.877	4.330	28.194	[5] 5.284	33.80	7.398	43.17	19.55
1906	19.278	5.657	30.819	6.048	35.75	21.730	40.90	28.04
1907	20.004	5.325	38.166	5.812	45.00	14.840	41.50	30.98
1908	13.208	4.200	29.465	4.578	28.70	8.004	44.84	16.32
1909	12.982	4.273	29.725	5.352	23.18	7.406	46.30	24.87
1910	12.738	4.446	34.123	5.370	22.97	7.386	47.06	32.70
1911	12.376	4.420	42.281	5.608	20.34	7.540	46.54	43.12
1912	16.341	4.471	46.096	6.799	22.52	7.760	42.46	45.55
1913	15.269	4.370	44.252	5.504	23.63	7.520	39.54	44.88
1914	13.602	3.862	34.301	5.061	18.60	8.763	48.31	45.14
1915	17.275	4.673	38.590	13.054	34.13	30.280	87.01	47.13
1916	27.202	6.858	43.480	12.634	60.73	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.730	51.25	20.090	106.30	102.82
1918	[7] 24.628	7.413	[8]	7.890	33.60	12.581	123.47	105.95
1919	18.691	5.759	63.328	6.988	32.14	8.190	92.15	114.61
1920	17.456	7.957	49.101	7.671	30.61	8.485	81.12	110.90
1921	12.502	4.545	29.916	4.655	21.21	4.957	45.46	75.03
1922	13.382	5.734	32.554	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	42.664	6.607	25.41	7.897	66.50	116.54
1924	13.024	8.097	50.176	6.344	27.03	10.836	69.76	118.82
1925	14.042	9.020	57.893	7.622	27.19	17.494	83.13	119.09
1926	13.795	8.417	65.285	7.337	26.99	15.988	91.90	113.27
1927	12.920	6.759	64.353	6.242	25.41	12.393	118.16	84.04
1928	14.570	6.305	50.427	6.027	23.90	10.305	123.51	78.58
1929	18.107	6.833	45.155	6.512	23.90	8.950	122.14	67.06

[1] Flasks of 75 pounds prior to 1928; 76 pounds thereafter.

[2] 99 per cent tin, 1896 to 1919; Straits tin, thereafter.

[3] Prices 1895 to 1898 are for Lake copper.

[4] Data are for New York zinc.

[5] Average for 1899 and 1900 only.

[6] Average, 1903–1905; average for New York zinc, 1901–1905, 5.058 cents.

[7] Average of 11 months, no quotations being made in December.

[8] No average computed.

Sources: Review Number and Year Book, Engineering and Mining Journal-Press, except aluminum beginning 1909, which is from the American Metal Market.

No. 731.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS, 1919

	Total	Continental United States	Alaska	Hawaii	Porto Rico
Number of enterprises	22,361	21,997	346	5	13
Number of mines and quarries	14,802	14,417	367	5	13
Number of petroleum and natural gas wells	257,681	257,673	8	----------	----------
Number of natural-gas gasoline plants	1,115	1,115	----------	----------	----------
Persons engaged, total	1,088,444	1,084,796	3,267	155	226
Proprietors and firm members, total	22,769	22,155	593	4	17
Salaried employees	75,688	75,457	199	6	26
Wage earners (average number)	989,987	987,184	2,475	145	183
Power used (aggregate horsepower)	6,816,814	6,786,475	29,979	325	35
Capital	$7,225,446,992	$7,108,623,496	$116,626,441	$112,882	$84,173
Principal expenses	2,556,882,424	2,545,925,350	10,493,020	171,850	92,204
Salaries	151,820,043	151,272,451	533,076	5,533	9,583
Wages	1,305,565,597	1,304,409,342	5,010,611	89,365	56,279
Supplies and materials	531,688,470	528,853,639	2,789,755	34,423	10,653
Cost of ore, coal, and natural gas purchased as material or for resale	35,905,352	35,905,352	----------	----------	----------
Fuel and purchased power	124,610,053	123,509,588	1,080,348	14,560	5,557
Royalties and rents	176,478,905	175,129,858	314,066	26,282	8,789
Taxes	141,878,154	141,567,734	307,390	1,687	1,343
Contract work	82,696,872	82,239,098	457,774	----------	----------
Value of products	3,174,507,462	3,158,463,966	15,634,801	250,538	158,157

Source: Bureau of the Census, Department of Commerce.

No. 732.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS, CONTINENTAL UNITED STATES

	1889	1902	1909	1919	Per cent of increase[4] 1909–1919
Number of enterprises	[2]	46,858	21,268	21,280	0.1
Number of mines and quarries	22,084	17,039	18,164	13,844	—23.8
Number of petroleum and natural-gas wells	37,410	123,200	166,320	257,673	54.9
Number of natural-gas gasoline plants	----------	----------	----------	1,115	----------
Persons engaged	----------	----------	1,041,882	1,077,675	3.5
Proprietors and firm members, total	[2]	[2]	20,922	21,918	—26.7
Number performing manual labor	[2]	[2]	8,861	5,245	—40.8
Salaried employees	6,541	38,128	44,127	74,197	68.1
Wage earners (average number)	536,043	581,728	967,633	981,560	1.4
Wage earners, Dec. 15, or nearest representative day, total	[3] 536,043	[3] 581,728	1,065,283	1,088,189	2.2
Above ground	244,127	221,505	366,962	382,766	4.3
Below ground	291,916	360,223	698,321	705,423	1.0
Power used (aggregate horsepower)	[4]	2,867,562	4,608,253	6,723,786	45.9
Capital	$1,310,535,318	[2]	$3,380,525,841	$6,955,466,831	105.8
Principal expenses:					
Salaries	5,520,600	$39,020,552	53,393,551	149,328,965	179.7
Wages	222,041,887	369,959,960	586,774,079	1,295,936,226	103.8
Supplies and materials	86,075,925	[5] 123,814,967	173,411,438	519,593,676	199.6
Cost of ore, coal, and natural gas purchased as material or for resale	----------	----------	29,318,316	35,905,352	22.5
Fuel and purchased power	[4]	[4]	45,136,550	122,105,930	170.5
Royalties and rents	[4]	34,530,713	63,973,586	175,293,984	174.0
Taxes	[4]	[4]	17,796,763	140,999,626	692.3
Contract work	[4]	20,677,938	28,887,898	79,380,177	174.8
Value of products	438,111,548	796,826,417	1,238,410,322	3,158,463,966	155.0

[1] A minus sign (—) denotes decrease.
[2] Not reported.
[3] Average number.
[4] Comparable figures not available.
[5] Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

No. 733.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES, CONTINENTAL UNITED STATES, 1919

Industry and value of products per enterprise	Number of enterprises	Value of products		Industry and wage earners per enterprise	Enterprises		Wage earners	
		Amount	Per cent		Number	Per cent	Average number	Per cent
All industries	21,280	$3,158,463,966	100.0	**All industries**	21,280	100.0	981,560	100.0
Less than $5,000	6,586	15,228,604	0.5	No wage earners	3,722	17.5		
$5,000 to $20,000	5,539	58,745,473	1.9	1 to 5	7,012	37.2	16,761	1.7
$20,000 to $100,000	4,990	237,600,990	7.5	6 to 20	3,948	18.6	44,506	4.5
$100,000 to $500,000	3,005	686,788,422	21.7	21 to 50	2,309	10.9	76,040	7.7
$500,000 to $1,000,000	684	472,131,636	14.9	51 to 100	1,372	6.4	98,621	10.0
$1,000,000 to $5,000,000	392	754,160,595	23.9	101 to 500	1,743	8.2	377,339	38.4
$5,000,000 and over	84	933,808,246	29.6	501 to 1,000	182	0.9	125,278	12.8
				Over 1,000	92	0.4	243,015	24.8
Anthracite coal	254	384,084,142	100.0	**Anthracite coal**	254	100.0	147,372	100.0
Less than $5,000	37	89,977	(1)	No wage earners	2	0.8		
$5,000 to $20,000	38	440,045	0.1	1 to 5	62	24.4	139	0.1
$20,000 to $100,000	43	1,843,631	0.5	6 to 20	39	15.4	469	0.3
$100,000 to $500,000	39	10,076,964	2.8	21 to 50	20	7.9	620	0.4
$500,000 to $1,000,000	32	24,276,649	6.7	51 to 100	13	5.1	981	0.7
$1,000,000 to $5,000,000	48	83,086,309	22.8	101 to 500	63	24.8	18,240	12.4
$5,000,000 and over	17	244,270,547	67.1	501 to 1,000	33	13.0	21,804	14.8
				Over 1,000	22	8.7	105,110	71.3
Bituminous coal	6,636	1,145,977,565	100.0	**Bituminous coal**	6,636	100.0	545,798	100.0
Less than $5,000	818	2,711,023	0.2	No wage earners	62	0.9		
$5,000 to $20,000	1,618	17,614,491	1.5	1 to 5	1,512	22.8	4,337	0.8
$20,000 to $100,000	2,006	100,379,635	8.8	6 to 20	1,549	23.3	18,074	3.3
$100,000 to $500,000	1,651	386,075,398	33.7	21 to 50	1,238	18.7	41,009	7.5
$500,000 to $1,000,000	377	257,196,333	22.4	51 to 100	888	13.4	64,355	11.8
$1,000,000 to $5,000,000	156	289,392,384	25.3	101 to 500	1,241	18.7	259,288	47.5
$5,000,000 and over	10	92,608,301	8.1	501 to 1,000	101	1.5	68,737	12.6
				Over 1,000	45	0.7	89,998	16.5
Petroleum and natural gas.	9,814	931,783,423	100.0	**Petroleum and natural gas.**	9,814	100.0	93,205	100.0
Less than $5,000	4,348	9,531,235	1.0	No wage earners	3,292	33.5		
$5,000 to $20,000	2,797	28,919,564	3.1	1 to 5	4,925	50.2	8,852	9.5
$20,000 to $100,000	1,696	75,785,417	8.1	6 to 20	1,034	10.5	11,036	11.8
$100,000 to $500,000	684	150,748,376	16.2	21 to 50	296	3.0	9,874	10.6
$500,000 to $1,000,000	156	109,951,280	11.8	51 to 100	133	1.4	9,592	10.3
$1,000,000 to $5,000,000	96	204,187,367	21.9	101 to 500	102	1.0	21,978	23.6
$5,000,000 and over	37	352,670,184	37.8	501 to 1,000	24	0.2	17,358	18.6
				Over 1,000	8	0.1	14,515	15.6
Iron ore	290	218,217,905	100.0	**Iron ore**	290	100.0	45,741	100.0
Less than $5,000	15	36,040	(1)	No wage earners	5	1.7		
$5,000 to $20,000	29	492,775	0.2	1 to 5	21	7.2	63	0.1
$20,000 to $100,000	69	3,774,321	1.7	6 to 20	43	14.8	574	1.3
$100,000 to $500,000	98	26,543,784	12.1	21 to 50	57	19.7	2,180	4.8
$500,000 to $1,000,000	41	28,239,020	12.9	51 to 100	54	18.6	3,822	8.4
$1,000,000 to $5,000,000	35	63,074,560	29.2	101 to 500	102	35.2	31,032	67.8
$5,000,000 and over	3	95,946,505	43.8	501 to 1,000	7	2.4	5,535	12.5
				Over 1,000	1	0.3	2,535	5.1

[1] Less than one-tenth of 1 per cent.

No. 734.—MINES AND QUARRIES: HOURS OF LABOR IN CONTINENTAL UNITED STATES, 1919

Industry	Total wage earners	Wage earners in mines where the prevailing hours of labor per week were—					
		35 and under	36 to 43	44 to 53	54 to 62	63 to 71	72 to 84
All industries	981,560	17,755	19,856	721,899	182,126	26,841	13,083
Coal:							
Anthracite	147,372		315	145,787	807	442	21
Bituminous	545,798	15,978	17,163	485,574	25,222	1,841	20
Petroleum and natural gas	93,205	1,295	327	13,227	44,008	21,726	12,562
Iron ore	45,741	11	219	20,311	24,637	563	
Copper	43,717		7	21,150	21,166	1,394	
Limestone	22,069	57	24	3,774	17,934	280	
Lead and zinc	21,884	115		15,082	6,684		3
Gold and silver; lode mines	15,436		3	3,595	11,586	251	1
Gold, placer mines	1,380			62	1,243	72	3
Granite	8,049	43	1,195	4,829	1,948	34	
Clay	5,458	27	33	2,351	3,033	4	5
Phosphate rock	4,373	5	30	309	3,683		346
Sandstone	4,287		8	483	3,688	108	
Slate	3,513		335	963	2,170	45	
Basalt	3,336	20	3	728	2,585		
Gypsum	2,191		1	830	1,317	43	
Marble	1,732			50	1,667	15	
Sulphur	1,129				1,129		
All other	10,895	204	193	2,794	7,559	23	122

Source of Tables 733 and 734: Bureau of the Census, Department of Commerce

No. 735.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

Industry	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
All industries [2]	19,915	21,280	967,633	981,560	4,608,253	6,723,786	586,774	1,295,938	1,238,410	3,158,464
FUELS										
Coal:										
Anthracite	192	254	169,367	147,372	670,753	899,783	92,318	210,289	149,180	364,084
Bituminous	3,503	6,636	511,723	545,798	1,227,401	2,155,412	294,196	682,601	427,962	1,145,978
Petroleum and natural gas	7,793	9,814	36,744	92,205	1,221,969	1,821,342	27,092	134,521	185,417	931,793
METALS										
Iron ore	176	200	47,240	45,741	346,534	370,869	29,731	75,713	106,947	218,218
Copper	161	195	51,643	43,717	376,464	523,591	49,383	66,390	134,617	181,258
Gold and silver:										
Lode mines	1,604	740	29,428	15,436	200,966	149,680	30,868	23,818	83,886	58,832
Placer mines	678	112	3,084	1,380	27,278	35,632	2,670	1,914	10,237	9,369
Lead and zinc	977	432	16,807	21,824	110,559	229,541	10,478	30,708	31,363	75,579
Manganese	5	35	60	909	215	5,800	12	1,086	31	2,188
Quicksilver	12	26	544	748	784	2,607	408	828	868	1,803
Rare metals	26	22	531	633	3,237	3,544	[3]	748	9,688	1,726
STONE										
Limestone	1,665	895	30,289	22,069	125,024	213,717	14,082	23,926	29,832	52,944
Granite	707	358	18,744	8,049	61,095	55,674	11,112	8,588	18,998	18,279
Sandstone	1,158	255	9,812	4,287	36,556	33,869	4,761	4,449	9,291	10,685
Basalt	196	163	5,256	3,336	29,211	37,307	2,539	3,991	5,578	9,658
Slate	185	101	8,803	3,513	20,777	20,613	4,089	3,128	6,054	5,721
Marble	77	48	6,166	1,732	21,779	15,628	3,079	1,452	6,239	4,398
MISCELLANEOUS										
Abrasive materials	49	34	403	317	1,344	1,748	[3]	322	----------	722
Asbestos	5	10	54	146	380	420	31	92	65	250
Asphalt	12	9	205	324	828	648	129	295	466	750
Barytes	23	89	240	919	262	3,029	90	769	225	1,592
Bauxite	10	10	563	738	1,565	2,507	198	942	671	2,190
Clay	261	345	3,262	5,453	8,868	21,243	1,362	5,367	2,946	10,086
Feldspar	22	30	247	349	993	1,782	107	264	271	584
Fluorspar	13	54	290	1,124	1,179	7,138	168	1,196	289	3,335
Fuller's earth	16	9	327	824	1,739	2,538	119	541	316	2,019
Graphite	19	21	294	419	2,647	6,410	160	342	344	869
Gypsum	78	47	3,462	2,191	17,035	15,032	1,821	2,478	5,813	6,806
Magnesite	6	11	50	448	126	2,540	32	652	68	2,177
Mica	73	65	272	448	463	803	125	288	207	605
Millstones	14	11	51	37	----------	220	17	48	34	61
Mineral pigments	23	23	151	185	849	1,630	44	174	151	489
Phosphate rock	51	48	7,873	4,373	50,526	49,639	3,216	3,901	10,781	10,300
Pyrite	11	17	1,086	1,172	5,756	7,338	408	1,385	677	2,409
Silica	14	24	158	166	1,219	2,032	82	166	231	372
Sulphur	4	4	360	1,129	3,114	15,291	325	1,682	4,432	17,936
Talc and soapstone	39	28	1,256	958	9,433	7,053	504	835	1,175	2,302

[1] Operators, not enterprises, in 1909.

[2] The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, grindstone, marl, monazite and zircon, peat, and precious stones industries in 1909, for which comparable figures could not be given. The value of products of these industries did not exceed one-tenth of 1 per cent of the total for all industries in either year.

[3] Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 736.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

Division and State	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919 [2]	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
Continental United States	[3] 19,915	21,280	867,633	961,560	4,608,253	6,723,786	586,774	1,295,938	1,238,410	3,158,464
New England	510	302	17,048	7,213	61,259	62,750	9,814	8,038	17,328	18,723
Maine	97	50	2,144	979	8,141	6,277	1,332	1,052	2,056	1,823
New Hampshire	45	30	1,418	682	3,771	4,336	926	826	1,309	1,568
Vermont	137	93	8,145	2,936	25,668	28,119	4,449	3,042	8,221	8,555
Massachusetts	139	74	3,291	1,704	15,031	12,498	1,967	2,069	3,468	4,176
Rhode Island	21	14	665	369	2,350	3,000	410	400	898	952
Connecticut	71	41	1,385	543	6,298	8,520	730	647	1,376	1,649
Middle Atlantic	6,333	6,604	376,633	334,175	1,738,613	2,124,662	204,992	458,109	870,742	853,891
New York	1,351	700	9,305	6,202	101,759	91,339	4,717	7,497	13,335	25,131
New Jersey	131	97	6,315	4,576	18,048	33,901	2,801	5,393	8,347	9,309
Pennsylvania	4,851	5,807	361,013	323,397	1,618,806	1,999,422	197,474	445,219	349,060	819,451
East North Central	4,152	3,772	190,468	190,011	913,857	1,150,153	118,673	237,638	237,533	480,482
Ohio	1,876	2,283	50,567	49,298	294,763	337,611	26,769	58,110	63,767	134,518
Indiana	1,010	503	23,936	26,751	95,089	129,063	14,783	30,193	21,934	52,840
Illinois	915	772	72,086	79,123	225,330	318,231	46,379	94,179	76,659	178,073
Michigan	83	122	39,169	31,202	273,861	337,882	27,661	50,406	67,714	103,870
Wisconsin	268	92	4,710	3,547	24,864	26,766	3,081	4,750	7,459	10,581
West North Central	2,300	1,726	75,196	62,253	370,390	426,242	50,566	84,267	130,252	280,111
Minnesota	153	135	16,586	17,265	151,834	144,199	11,907	29,383	58,665	130,399
Iowa	373	198	16,480	11,274	23,453	32,171	10,870	12,460	13,878	18,474
Missouri	1,021	468	23,420	14,857	109,672	100,160	14,394	16,777	31,607	33,366
North Dakota	53	79	502	774	2,025	2,037	364	1,029	505	1,927
South Dakota	39	23	3,456	1,785	15,548	11,844	3,225	2,497	6,432	5,314
Nebraska	18	9	349	162	815	1,847	170	166	322	293
Kansas	643	814	14,343	16,136	66,943	133,984	9,636	21,949	18,723	90,338
South Atlantic	1,358	2,281	109,210	129,695	536,648	849,169	49,886	149,268	105,718	352,059
Delaware	9	7	493	116	1,480	660	218	136	516	244
Maryland	126	126	7,190	5,628	18,118	18,660	3,339	6,152	5,782	9,699
Virginia	150	202	15,257	14,547	34,630	57,880	5,230	16,108	8,796	29,363
West Virginia	798	1,714	73,410	100,812	410,282	704,279	35,981	119,578	76,288	295,607
North Carolina	118	102	2,215	1,890	6,062	5,039	863	1,489	1,359	2,737
South Carolina	29	20	1,814	933	7,012	4,656	626	680	1,253	1,351
Georgia	92	74	3,383	2,397	10,698	13,026	1,278	2,017	2,875	4,082
Florida	36	36	5,448	3,372	42,366	44,969	2,351	3,108	8,847	8,976
East South Central	830	1,405	62,908	90,612	179,650	351,353	29,444	98,768	49,143	181,646
Kentucky	437	938	18,207	43,563	53,203	148,893	7,827	49,551	12,100	98,487
Tennessee	216	203	16,338	14,470	34,523	56,685	7,359	12,987	12,692	23,292
Alabama	177	264	28,271	32,579	91,924	145,775	14,258	36,230	24,351	59,866
West South Central	1,229	2,821	23,898	60,936	149,602	884,738	15,672	88,445	47,531	490,727
Arkansas	96	126	4,935	3,630	14,080	21,365	3,026	4,573	4,604	8,405
Louisiana-Mississippi [4]	33	137	926	5,228	8,445	86,135	873	7,505	6,547	40,016
Oklahoma	864	1,934	11,658	33,914	95,074	448,173	7,775	46,809	25,638	281,928
Texas	236	624	6,379	18,164	32,003	129,063	3,998	29,558	10,742	160,378
Mountain	1,972	1,508	83,993	81,519	467,184	716,949	82,081	131,192	205,054	321,328
Montana	373	259	18,840	16,129	174,389	143,718	21,361	25,724	54,992	49,924
Idaho	174	82	3,240	2,455	26,278	31,239	4,046	4,202	8,649	11,840
Wyoming	66	106	7,742	9,699	30,338	62,757	6,267	14,570	10,572	41,929
Colorado	672	477	21,483	16,790	98,777	116,351	18,463	25,405	45,680	51,217
New Mexico	98	85	5,107	7,100	16,042	59,876	3,529	10,494	5,583	18,873
Arizona	135	155	12,838	15,268	47,272	166,091	13,503	26,193	34,218	88,478
Utah	188	141	10,089	9,847	47,226	86,131	8,987	17,197	22,083	41,511
Nevada	266	203	4,642	4,231	26,862	50,786	5,925	7,401	23,272	18,054
Pacific	1,538	858	28,281	25,134	191,050	357,675	25,646	40,207	75,111	173,984
Washington	93	83	6,904	5,050	20,742	38,198	5,891	7,466	10,538	13,329
Oregon	116	50	860	740	8,070	6,264	705	993	1,191	1,825
California	1,329	725	20,517	19,344	162,238	313,213	19,050	31,748	63,382	163,770

[1] Operators, not enterprises, in 1909.
[2] The total for the United States includes, besides the States specified, statistics for the District of Columbia for which no statistics were reported for 1909.
[3] Exclusive of duplication, 307 operators having reported in two or more States.
[4] For 1909 statistics are for Louisiana only; nothing reported for Mississippi.

Source: Bureau of the Census, Department of Commerce.

No. 737.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

NOTE.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1929 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

Product	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1928	1929	1910	1915	1920	1925	1928	1929
METALLIC												
Aluminum ..... 1,000 pounds			138,000	140,000	210,000	225,000	8,956	16,280	41,375	36,430	47,899	51,864
Antimonial lead [1] ..... short tons	14,069	23,224	12,535	19,667	33,058	25,669	1,338	3,666	1,963	3,786	3,978	3,267
Antimony [2] ..... do	2,229	5,364	2,785	2,624	3,432	3,052	[2] 369	[2] 2,374	[2] 473	[2] 918	[2] 707	[2] 546
Bauxite ..... long tons	148,932	297,041	521,308	316,540	376,426	365,777	716	1,515	3,247	1,988	2,274	2,266
Cadmium ..... pounds	4,700	91,415	128,283	502,824	1,875,896	2,481,427	3	108	151	277	1,144	2,010
Chromite ..... long tons	205	3,281	2,502	108	660	180	3	37	45	2	15	3
Copper, [3] sales value ..... 1,000 pounds	1,080,160	1,388,010	1,209,061	1,674,870	1,825,900	2,002,863	137,180	242,902	222,467	237,832	262,930	352,504
Ferro-alloys ..... long tons	(4)	388,644	612,808	616,222	794,695	829,324	(4)	17,450	77,519	53,048	66,578	75,506
Gold ..... 1,000 troy ounces	4,657	4,888	2,476	2,412	2,233	2,208	96,269	101,036	51,187	49,860	46,165	45,651
Iron:												
Ore [5] ..... 1,000 long tons	56,890	55,493	69,281	63,925	63,433	75,603	[5] 140,736	[5] 101,289	[5] 285,006	[5] 160,797	[5] 155,789	[5] 197,149
Pig ..... do	26,674	30,384	35,710	36,815	38,304	41,549	412,162	401,410	1,140,904	739,316	661,351	731,858
Lead (refined) [3] sales value ..... short tons	375,402	507,026	476,849	654,921	626,202	672,498	33,055	47,660	76,296	113,956	72,639	84,735
Manganese ore (35 per cent or more Mn.) ..... long tons	2,258	9,613	94,420	98,324	46,860	60,379	23	113	2,396	1,858	1,215	1,612
Manganiferous ore (5 to 35 per cent Mn.) [6] ..... long tons	61,101	195,735	767,664	1,448,054	1,177,632	1,188,258	187	817	2,438	3,752	3,053	3,274
Mercury, metal ..... flasks (75 pounds net)	20,601	21,033	13,392	9,174	18,108	23,998	958	1,805	1,067	763	2,207	2,893
Mercury ore ..... short tons	124,000	159,000	109,000	65,000	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Nickel (value at New York City) ..... do		822	365	272	522	340		538	293	170	292	297
Ores (crude), tailings, etc.:												
Copper ..... 1,000 short tons	28,497	43,404	36,765	53,262	62,125	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Copper-lead and copper-lead zinc ..... do	20	11	27	229	351	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Dry and siliceous (gold and silver) ..... do	9,646	12,687	8,590	8,995	8,095	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Lead ..... do	5,781	7,497	7,200	8,560	8,048	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Lead-zinc ..... do	12,390	18,176	12,383	17,741	13,379	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Zinc ..... do			2,651	3,411	5,855	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Platinum and allied metals (value at New York City) ..... troy ounces	733	8,665	41,544	49,643	59,039	47,977	25	479	4,698	5,662	4,693	3,121
Silver ..... 1,000 troy ounces	57,138	74,961	55,362	66,155	58,463	61,328	30,855	37,397	60,802	45,912	34,201	32,688
Tin (metallic equivalent) ..... short tons		102	22	14	46	39	23	79	22	16	46	36
Titanium ore (ilmenite) ..... do				5,566	(8)	(8)				89	(8)	(8)
Titanium ore (rutile) ..... do	566	250	277	46	(8)	(8)	44	28	(8)	11	(8)	(8)
Tungsten ore (60 per cent concentrate) ..... do	1,821	2,332	216	1,190	1,208	830	833	4,100	102	756	754	654
Uranium and vanadium ores ..... do			35,076	13,070	(8)	(8)		694	2,401	331	(8)	(8)
Zinc, [3] sales value ..... do	252,479	458,135	450,045	555,631	591,525	611,209	27,268	113,617	72,907	84,456	72,166	80,680
Total metallic products (approximate)							749,879	991,730	1,762,350	1,380,280	1,284,580	1,475,900

NONMETALLIC												
Arsenious oxide	short tons	1,497	5,498	11,502	12,317	11,767	14,546	52	302	2,021	1,199	735	884
Asbestos	do	3,693	1,731	1,648	1,258	2,239	3,155	68	77	678	52	351	351
Asphalt:													
Native	do	260,080	740,254	898,993	584,850	807,360	804,027	3,080	5,242	13,199	4,148	5,175	5,457
Oil	do				1,206,700	1,741,392	1,725,896				[5] 15,306	[5] 20,425	[5] 19,709
Barite (crude)	do	42,975	108,547	228,113	228,063	269,544	275,285	122	381	2,142	1,703	1,755	1,852
Borates	do	42,357	67,003	120,320	113,700	131,000	169,870	1,202	1,677	2,173	3,086	4,000	4,515
Bromine	1,000 pounds	245	856	1,161	1,506	2,164	6,415	32	856	745	488	649	1,759
Calcium-magnesium chloride	short tons	10,971	20,535	27,849	67,870	102,090	114,240	75	131	539	1,387	1,996	2,097
Cement	1,000 bbls. (376 lbs. net)	77,785	87,685	97,079	159,047	178,052	172,027	68,752	75,155	195,590	281,076	278,883	255,105
Clay:													
Products								166,827	160,080	373,670	[9] 423,447	[9] 373,551	[10]
Raw	1,000 short tons	2,389	2,363	3,116	4,030	4,026	4,347	[5] 3,625	[5] 3,972	[5] 11,614	[5] 12,737	[5] 14,201	[5] 14,851
Coal:													
Bituminous [11]	do	417,111	442,624	568,667	520,053	500,745	532,352	469,282	502,038	2,129,933	1,060,402	933,774	990,175
Pennsylvania anthracite	1,000 long tons	75,433	79,460	79,998	55,194	67,275	68,429	160,275	184,653	434,252	327,665	393,638	393,500
Coke [6]	1,000 short tons	41,709	41,581	51,345	51,267	52,806	59,427	[5] 99,743	[5] 105,504	[5] 494,246	[5] 262,559	[5] 252,834	(7)
Diatomite and tripoli	short tons		35,304	102,155	102,418	[12] 34,043	[12] 38,011	130	167	1,649	1,357	[12] 556	[12] 546
Emery	do	1,028	3,003	2,327	769	1,341	924	15	31	22	6	17	11
Feldspar (crude)	long tons	72,413	93,855	135,551	185,706	210,811	197,699	502	489	851	1,316	1,419	1,277
Fluorspar	short tons	69,427	136,941	186,778	113,669	140,490	146,439	430	764	4,719	2,052	2,657	2,791
Fuller's earth	do	32,822	47,901	128,487	206,574	287,012	315,983	294	489	2,506	2,924	3,896	4,310
Garnet for abrasive purposes	do	3,814	4,301	5,476	8,429	6,617	5,961	114	140	434	713	459	435
Gems and precious stones								206	170	265	(13)	(13)	(13)
Graphite:													
Amorphous	short tons	1,407	1,181	4,694	3,536	2,994	3,555	40	12	50	40	43	47
Crystalline	1,000 pounds	5,691	7,074	9,632	2,257	5,233	5,806	296	417	576	57	254	264
Grindstones and pulpstones	short tons			53,484	37,340	33,238	27,736	796	648	1,707	1,706	1,509	1,242
Gypsum	1,000 short tons	2,379	2,448	3,129	5,678	5,102	5,016	6,523	6,597	24,533	47,577	32,036	31,293
Lime	do	3,508	3,623	3,570	4,581	4,458	4,260	14,088	14,424	37,544	42,609	36,450	33,387
Magnesite (crude)	short tons	12,443	30,499	303,767	120,660	127,200	187,660	75	274	2,748	1,433	1,099	1,500
Mica:													
Scrap	do	4,065	3,959	5,723	9,695	7,760	7,500	53	51	167	174	132	128
Sheet	1,000 pounds	2,476	554	1,683	1,794	1,682	1,700	284	378	547	322	231	238
Millstones								28	53	63	22	43	31
Mineral paints:													
Natural pigments [14]	short tons	68,623	57,442	(14)	(14)	(14)	(14)	528	552	(14)	(14)	(14)	(14)
Zinc and lead pigments [15]	do	75,162	141,383	143,244	199,190	202,363	204,574	6,853	14,962	24,565	28,311	26,018	26,212
Mineral waters	1,000 gallons	62,030	52,114	36,218	(13)	(13)	(13)	6,358	5,139	4,861	(13)	(13)	(13)
Natural gas	1,000,000 cu. ft.	509,155	628,579	793,210	1,188,571	1,568,139	1,880,000	70,756	101,312	196,194	265,271	360,726	419,000
Natural-gas gasoline	1,000 gallons		65,365	384,744	1,127,470	1,814,034	2,195,400		5,151	71,788	120,383	158,944	159,400
Oilstones, etc.	short tons			1,144	970	956	838	229	115	232		228	212
Peat	do		42,284	73,204	72,436	(13)	(13)	140	289	922		(13)	(13)
Petroleum	1,000 barrels (42 gals.)	209,557	281,104	442,929	763,743	901,474	1,005,598	127,900	179,463	1,360,745	1,284,960	1,054,880	1,240,000
Phosphate rock	1,000 long tons	2,655	1,836	4,104	3,482	3,501	3,761	10,917	5,413	25,080	11,546	12,443	13,153
Potash (K_2O)	short tons		1,090	41,444	25,802	60,370	57,540		342	7,463	1,204	3,029	2,988
Pumice	do	23,271	27,708	41,838	40,380	57,430	60,873	95	63	114	179	279	319
Pyrites	long tons	241,612	394,124	310,777	170,081	182,049	[16] 333,465	978	1,675	1,697	650	605	[16] 1,250
Salt	1,000 short tons	4,243	5,352	6,840	7,398	8,075	8,544	7,900	11,748	29,894	26,162	26,773	27,335

For footnotes see p. 752.

No. 737.—Mineral Products of the United States: Quantities and Values—Continued

Products	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1928	1929	1910	1915	1920	1925	1928	1929
NONMETALLIC—continued												
Sand:												
Glass, 1,000 short tons	1,461	1,884	2,166	2,335	2,311	2,200	1,517	1,607	4,749	3,836	3,436	3,500
Molding, building, etc., and gravel, do	67,949	74,719	79,875	169,667	206,808	197,000	19,521	21,515	80,913	103,706	115,772	108,700
Sand-lime brick, thousands	172,507	179,643	169,761	[5] 315,595	[5] 313,553	([10])	1,169	1,135	2,490	[5] 3,781	[5] 3,655	([10])
Silica (quartz), short tons	63,577	112,575	68,190	25,444	22,198	19,121	194	274	320	205	209	170
Slate, do			468,700	724,600	646,360	669,430	6,237	4,959	8,726	12,575	11,472	11,236
Stone, 1,000 short tons			78,527	115,851	133,870	138,012	76,521	74,595	133,542	174,217	196,821	199,922
Sulphur, 1,000 long tons	251	294	1,518	1,858	2,083	2,437	4,522	4,959	30,000	29,000	37,500	43,800
Sulphuric acid (60° Baumé) from copper and zinc smelters, 1,000 short tons		[17] 905	[17] 1,230	1,007	1,140	1,240		7,621	13,617	7,513	9,008	9,828
Talc and soapstone, short tons	150,716	186,891	210,635	[18] 182,256	[18] 202,976	[18] 221,839	1,592	1,892	3,035	[18] 2,012	[18] 2,538	[18] 2,645
Total nonmetallic products (approximate)							1,237,656	1,400,484	5,214,170	4,291,100	4,091,120	4,343,000
SUMMARY OF VALUES												
Metallic products							749,879	991,730	1,762,350	1,380,280	1,284,580	1,475,900
Nonmetallic products (exclusive of fuels)							409,455	427,867	1,021,260	1,232,420	1,206,158	1,141,000
Mineral fuels							828,213	972,617	4,192,910	3,058,680	2,884,962	3,202,000
"Unspecified" (metallic and nonmetallic) products partly estimated							309	2,430	4,820	6,250	9,200	11,100
Grand total (approximate)							1,987,844	2,394,644	6,981,340	5,677,630	5,384,900	5,830,000

[1] From both domestic and foreign ores.
[2] Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value. Value for antimony other than that in antimonial lead is included in metallic total. Bureau of Mines not at liberty to publish figures.
[3] Product from domestic ores only.
[4] Included under "Pig iron."
[5] Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.
[6] Including ore used for fluxing.
[7] Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.
[8] Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.
[9] Figures obtained through cooperation with Bureau of the Census.
[10] Figures not yet available. Estimate of value included in total value of nonmetallic products.
[11] Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.
[12] Tripoli only. Value of diatomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.
[13] No canvass. Estimate of value included in total value of nonmetallic products.
[14] Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."
[15] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[16] Figures for 1929 include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin; similar output in earlier years was not included.
[17] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.
[18] Talc only. Value of soapstone is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

No. 738.—MINERAL PRODUCTION, BY STATES

NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals, mine production (recoverable content of metals) is the basis. For principal mineral products of each State see Table 739

[Values in thousands of dollars]

Division and State	1922	1923	1924	1925	1926	1927	1928
Continental United States	4,115,519	5,158,287	4,658,264	4,965,430	5,495,743	4,888,555	4,707,309
New England	34,570	48,030	48,950	48,452	50,707	48,531	49,053
Maine	5,588	7,565	6,035	5,839	5,786	5,476	5,923
New Hampshire	2,283	3,573	3,378	3,465	4,145	3,447	3,816
Vermont	9,577	13,910	14,549	14,409	14,955	14,703	14,649
Massachusetts	11,005	14,781	15,726	16,832	16,787	16,295	16,234
Rhode Island	771	1,023	1,133	1,152	1,339	1,311	831
Connecticut	5,346	7,177	8,129	6,755	7,695	7,299	7,600
Middle Atlantic	959,072	1,387,613	1,182,337	1,045,993	1,244,848	1,122,074	1,060,361
New York	73,528	89,976	95,435	102,036	112,016	112,210	108,026
New Jersey	62,306	72,602	75,271	76,761	77,066	73,091	70,865
Pennsylvania	823,148	1,225,036	1,011,631	867,196	1,055,766	936,773	881,490
East North Central	705,075	848,897	727,181	732,417	761,391	660,742	642,149
Ohio	236,809	287,860	249,050	247,507	253,884	226,963	211,041
Indiana	108,394	130,886	112,299	111,834	118,692	107,578	98,584
Illinois	244,618	282,761	235,796	231,659	237,242	180,394	188,099
Michigan	101,431	128,291	114,239	122,212	130,861	124,030	123,536
Wisconsin	13,823	19,090	15,797	19,205	20,712	21,777	20,889
West North Central	328,079	424,258	347,234	398,158	423,120	347,534	348,016
Minnesota	111,617	174,105	107,845	110,253	118,361	102,073	108,275
Iowa	36,205	46,175	40,460	38,420	35,972	33,426	35,499
Missouri	62,403	79,201	81,054	92,548	90,004	75,890	74,981
North Dakota	3,693	3,473	2,735	2,662	2,805	2,870	3,083
South Dakota	7,279	7,372	6,926	7,972	7,595	8,464	9,443
Nebraska	2,997	3,302	3,209	3,359	3,322	3,542	3,455
Kansas	103,885	110,630	105,005	142,944	165,061	120,369	113,280
South Atlantic	445,235	523,884	405,881	443,795	519,412	481,112	440,831
Delaware	428	416	512	539	378	493	482
Maryland	14,905	21,190	18,507	21,558	24,067	20,409	18,418
District of Columbia	809	930	814	955	987	1,375	1,031
Virginia	38,551	48,052	37,962	41,038	46,136	41,323	38,770
West Virginia	358,772	412,807	307,314	333,528	395,942	366,643	336,637
North Carolina	7,268	10,021	9,261	9,504	10,993	11,704	11,480
South Carolina	2,414	3,550	3,444	3,508	3,677	4,251	4,046
Georgia	11,120	14,300	14,947	16,504	17,480	16,758	14,740
Florida	10,908	12,558	13,120	16,651	19,752	18,096	15,227
East South Central	257,170	275,067	235,272	249,551	271,658	271,684	243,200
Kentucky	158,701	148,854	120,511	131,371	146,768	152,614	131,970
Tennessee	35,146	41,554	35,355	38,869	39,297	37,375	38,780
Alabama	61,723	82,496	77,316	77,139	83,710	78,641	69,807
Mississippi	1,600	2,163	2,090	2,172	1,883	2,554	2,634
West South Central	725,612	762,415	784,440	1,000,669	1,136,796	1,009,814	967,071
Arkansas	31,419	41,954	61,749	87,186	84,486	59,449	45,010
Louisiana	75,519	61,199	56,931	60,504	62,204	51,267	56,810
Oklahoma	369,070	398,811	393,031	501,767	569,519	524,595	486,634
Texas	249,604	260,451	272,729	351,212	420,587	374,503	378,617
Mountain	352,079	484,407	470,270	519,273	526,261	458,780	493,540
Montana	59,401	74,707	70,632	79,261	79,763	68,265	74,752
Idaho	18,496	27,105	27,332	31,611	31,753	29,184	28,589
Wyoming	58,529	77,665	75,494	78,755	78,988	56,167	52,951
Colorado	54,806	61,379	61,488	63,149	65,597	58,855	58,594
New Mexico	18,038	23,791	23,914	25,549	28,514	28,609	30,427
Arizona	63,738	104,940	100,327	114,203	115,048	100,559	116,000
Utah	60,697	86,221	84,357	100,276	98,985	90,388	97,381
Nevada	18,374	28,599	26,226	26,470	27,613	26,753	34,846
Pacific	308,627	403,716	456,699	527,132	551,550	488,284	463,068
Washington	19,725	22,169	21,159	22,382	21,257	21,966	22,120
Oregon	5,490	6,054	7,364	7,827	6,941	6,821	6,687
California	283,412	375,493	428,176	496,923	523,352	459,497	434,261
Alaska	19,507	20,241	17,362	18,286	17,607	14,402	14,023

Source: Bureau of Mines, Department of Commerce.

No. 739.—PRINCIPAL MINERAL PRODUCTS OF EACH STATE, IN ORDER OF VALUE IN 1928

New England:
Maine—Stone, lime, cement, slate.
New Hampshire—Stone, sand and gravel, clay products, feldspar.
Vermont—Stone, slate, talc, lime.
Massachusetts—Stone, sand and gravel, clay products, lime.
Rhode Island—Stone, sand and gravel, lime, graphite.
Connecticut—Stone, clay products, lime, sand and gravel.

Middle Atlantic:
New York—Clay products, stone, cement, sand and gravel.
New Jersey—Clay products, zinc, cement, stone.
Pennsylvania—Coal, cement, natural gas, clay products.

East North Central:
Ohio—Clay products, natural gas, coal, cement.
Indiana—Coal, stone, cement, clay products.
Illinois—Coal, clay products, cement, sand and gravel.
Michigan—Iron ore, copper, cement, salt.
Wisconsin—Stone, iron ore, sand and gravel, zinc.

West North Central:
Minnesota—Iron ore, stone, cement, manganiferous ore.
Iowa—Cement, coal, gypsum, clay products.
Missouri—Lead, clay products, cement, coal.
North Dakota—Coal, clay products, sand and gravel, natural gas.
South Dakota—Gold, sand and gravel, cement, stone.
Nebraska—Sand and gravel, cement, clay products, stone.
Kansas—Petroleum, natural gas, zinc, cement.

South Atlantic:
Delaware—Clay products, stone, sand and gravel.
Maryland—Coal, clay products, cement, sand and gravel.
District of Columbia—Sand and gravel, clay products, sand-lime brick, stone.
Virginia—Coal, stone, clay products, cement.
West Virginia—Coal, natural gas, clay products, petroleum.

South Atlantic—Continued.
North Carolina—Stone, clay products, copper, sand and gravel.
South Carolina—Stone, clay products, sand and gravel, barite.
Georgia—Stone, clay products, cement, fuller's earth.
Florida—Phosphate rock, stone, fuller's earth, cement.

East South Central:
Kentucky—Coal, petroleum, clay products, natural gas.
Tennessee—Coal, stone, cement, clay products.
Alabama—Coal, iron ore, cement, clay products.
Mississippi—Sand and gravel, clay products, stone, natural gas.

West South Central:
Arkansas—Petroleum, coal, natural gas, natural gasoline.
Louisiana—Petroleum, natural gas, natural gasoline, salt.
Oklahoma—Petroleum, natural gas, natural gasoline, zinc.
Texas—Petroleum, natural gas, sulphur, natural gasoline.

Mountain:
Montana—Copper, zinc, coal, petroleum.
Idaho—Lead, silver, zinc, stone.
Wyoming—Petroleum, coal, natural gas, natural gasoline.
Colorado—Coal, gold, zinc, lead.
New Mexico—Copper, coal, zinc, petroleum.
Arizona—Copper, silver, gold, lead.
Utah—Copper, lead, coal, silver.
Nevada—Copper, gold, silver, gypsum.

Pacific:
Washington—Coal, cement, sand and gravel, clay products.
Oregon—Stone, cement, sand and gravel, clay products.
California—Petroleum, natural gas, natural gasoline cement.
Alaska—Gold, copper, coal, silver.

No. 740.—IRON ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—**In thousands of long tons (2,240 pounds).** Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905 ore containing 5 per cent or more of manganese has been excluded

Yearly average or year	Production	Shipments	Exports	Imports
1881-1890	10,385			766
1891-1900	17,551			587
1901-1910	41,339		271	1,180
1911-1915	51,595	50,592	953	1,341
1916-1920	69,737	70,224	1,143	967
1921-1925	52,429	52,617	677	1,691
1913	61,980	59,643	1,042	2,595
1914	41,440	39,714	552	1,351
1915	55,526	55,493	708	1,341
1916	75,168	77,871	1,184	1,326
1917	75,289	75,573	1,132	972
1918	69,558	72,021	1,256	787
1919	60,965	56,373	997	476
1920	67,604	69,281	1,145	1,273
1921	20,491	20,653	440	316
1922	47,129	50,613	602	1,135
1923	69,351	69,811	1,117	2,708
1924	54,267	52,083	595	2,047
1925	61,908	63,925	631	2,191
1926	67,023	69,293	869	2,555
1927	61,741	61,232	899	2,621
1928	62,197	63,433	1,282	2,453
1929	73,028	75,603	1,304	3,139

Production	1926	1927	1928	1929
REGION				
Lake Superior [1]	57,143	51,540	52,517	62,825
Birmingham	6,508	6,295	6,187	6,282
All other	3,971	3,906	3,513	3,921
STATE				
Alabama	6,848	6,445	6,308	6,453
Tennessee	139	122	129	102
Michigan	15,248	15,075	13,677	15,456
Minnesota	40,702	35,461	37,564	45,761
Wisconsin	1,323	1,091	1,285	1,609
Pennsylvania	1,096	1,170	1,024	1,092
New York	639	853	713	822
New Jersey	209	221	250	281
Wyoming	630	603	491	639
All other	790	699	657	812
KIND				
Hematite	[2,3]64,635	[2,3]58,506	[3]59,208	[2,3]69,849
Brown ore	[2]811	[2]743	817	[2]776
Magnetite	[3]2,175	[3]2,490	[3]2,171	[3]2,401
Carbonate	2	2	2	2

[1] Includes only those mines in Wisconsin which are in true Lake Superior district.
[2] Some hematite included with brown ore.
[3] Some hematite included with magnetite.

Source of Tables 739 and 740: Bureau of Mines, Department of Commerce.

No. 741.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1905	1910	1915	1920	1925	1926	1927	1928	1929
Total pig iron and ferro-alloys	13,789	22,992	27,304	29,918	36,926	36,701	39,373	36,666	38,156	42,614
By States:										
New England	14	16	17	8	10	------	2,729	2,775	2,563	3,025
New York, New Jersey	463	1,509	2,203	2,105	2,601	2,188				
Pennsylvania	6,366	10,579	11,272	12,791	13,983	12,523	13,588	11,830	12,423	14,453
Maryland	290	332	326	252	524	705	805	857	1,051	1,166
Virginia	491	510	445	251	429	125	103	99		
Alabama	1,184	1,604	1,939	2,049	2,393	2,836	2,953	2,783	2,546	2,710
Ohio	2,471	4,586	5,752	6,913	8,533	8,863	9,359	8,502	9,099	9,796
Illinois	1,363	2,034	2,676	2,447	3,281	3,604	3,660	3,589	3,942	4,358
Indiana, Michigan	164	289	1,250	1,987	2,940	4,120	4,377	4,202	4,583	5,086
Wisconsin, Minnesota	185	351	307	373	711	468	537	456	339	379
All other	798	1,182	1,117	741	1,520	1,267	1,260	1,474	1,610	1,641
By disposition:										
For sale	(1)	(1)	(1)	8,583	10,724	8,991	9,700	9,494	8,304	9,635
For maker's use	(1)	(1)	(1)	21,333	26,202	27,710	29,612	27,072	29,852	32,979
By kinds:										
Basic	1,072	4,105	9,085	13,093	16,738	19,667	21,168	19,357	22,124	24,912
Bessemer	7,979	12,407	11,246	10,523	12,062	9,419	10,042	9,106	9,014	9,877
Foundry (incl. ferrosilicon)	3,376	4,758	5,260	4,844	5,958	5,410	5,753	5,783	4,513	4,787
Malleable	173	635	843	830	1,311	1,554	1,682	1,700	1,913	2,313
Forge	793	728	564	316	318	241	216	145	88	168
Ferromanganese, spiegeleisen, and all other	395	359	306	310	539	409	511	476	493	557
Pig iron and ferro-alloys by fuels:										
Coke [2]	11,728	20,965	26,258	29,535	36,300	36,504	39,209	36,401	38,013	42,476
Anthracite	1,677	1,675	649	85	303	------	------	------	------	------
Charcoal	384	353	397	296	323	196	164	165	143	138
Materials used:										
Iron ore, briquettes, etc	24,131	41,525	51,739	55,137	66,450	65,450	[3] 68,228	[3] 63,298	[3] 65,352	[3] 73,059
Cinder, scale, etc	1,600	(1)	2,800	4,483	4,986	5,017	[3] 6,386	[3] 6,417	[3] 6,712	[3] 7,434
Coke (1,000 tons of 2,000 pounds) [4]	(1)	(1)	(1)	33,329	42,046	39,296	[3] 39,709	[3] 37,373	[3] 38,363	[3] 42,403
Limestone	7,422	11,627	14,528	14,790	17,825	15,154	[3] 15,364	[3] 14,102	[3] 14,272	[3] 15,603
Total number of furnaces	406	424	473	445	452	395	379	364	334	299
Furnaces in blast Dec. 31	232	313	206	310	216	238	210	178	203	155

[1] Not available.
[2] Includes pig iron and ferro-alloys made in electric furnaces.
[3] Materials consumed in manufacture of pig iron only.
[4] Coke and bituminous coal prior to 1926.

Source: American Iron and Steel Institute.

No. 742.—PIG IRON: PRODUCTION (INCLUDING FERRO-ALLOYS), 1810–1906

NOTE.—For later years see Table 743. Tons are of 2,240 pounds

Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons
1810	53,908	1871	1,706,793	1880	3,835,191	1889	7,603,642	1898	11,773,934
1820	20,000	1872	2,548,713	1881	4,144,254	1890	9,202,703	1899	13,620,703
1830	165,000	1873	2,560,963	1882	4,623,323	1891	8,279,870	1900	13,789,242
1840	286,903	1874	2,401,262	1883	4,595,510	1892	9,157,000	1901	15,878,354
1850	563,755	1875	2,023,733	1884	4,097,868	1893	7,124,502	1902	17,821,307
1855	700,159	1876	1,868,961	1885	4,044,526	1894	6,657,388	1903	18,009,252
1860	821,223	1877	2,066,594	1886	5,683,329	1895	9,446,308	1904	16,497,033
1865	831,770	1878	2,301,215	1887	6,417,148	1896	8,623,127	1905	22,992,380
1870	1,665,179	1879	2,741,853	1888	6,489,738	1897	9,652,680	1906	25,307,191

Source: American Iron and Steel Institute.

No. 743.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

NOTE.—In long tons (2,240 pounds). Prior to 1901 exports and imports are for years ended June 30 following year specified; calendar years thereafter. All production figures are for calendar years

Yearly average or year	Pig iron			Steel ingots and castings, production	Year	Pig iron			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871–1875	2, 248, 293	7, 412	137, 591	[1] 389, 799	1915	29, 916, 213	224, 509	89, 836	32, 151, 036
1876–1880	2, 502, 763	3, 407	276, 600	803, 479	1916	39, 434, 797	607, 236	135, 349	42, 773, 680
1881–1885	4, 301, 096	5, 311	325, 290	1, 652, 268	1917	38, 621, 216	656, 220	76, 786	45, 060, 607
1886–1890	7, 079, 312	12, 407	229, 970	3, 292, 763	1918	39, 054, 644	269, 575	34, 711	44, 462, 432
1891–1895	8, 133, 013	22, 983	54, 778	4, 675, 736	1919	31, 015, 364	321, 261	101, 665	34, 671, 232
1896–1900	11, 491, 937	224, 268	34, 308	8, 430, 938	1920	36, 925, 937	216, 828	185, 944	42, 132, 934
1901–1905	18, 239, 665	45, 465	314, 765	15, 367, 931	1921	16, 688, 126	28, 405	44, 842	19, 783, 797
1906	25, 307, 191	83, 317	379, 828	23, 308, 136	1922	27, 219, 904	33, 332	498, 059	35, 602, 926
1907	25, 781, 361	73, 703	489, 475	23, 362, 594	1923	40, 361, 146	37, 559	474, 723	44, 043, 696
1908	15, 936, 018	46, 696	92, 202	14, 023, 247	1924	31, 405, 790	45, 818	276, 066	37, 031, 930
1909	25, 795, 471	61, 989	176, 442	23, 955, 021	1925	36, 700, 566	39, 907	516, 948	45 393, 524
1910	27, 303, 567	127, 385	237, 233	26, 094, 919	1926	39, 372, 729	28, 606	514, 288	48, 203, 763
1911	23, 649, 547	120, 799	148, 450	23, 676, 106	1927	36, 565, 645	55, 899	175, 529	44, 035, 185
1912	29, 726, 937	272, 676	129, 325	31, 251, 303	1928	38, 155, 714	96, 743	194, 636	51, 544, 180
1913	30, 966, 152	277, 648	156, 450	31, 300, 874	1929	42, 613, 983	53, 749	223, 080	56, 433, 473
1914	23, 332, 244	114, 423	139, 683	23, 513, 030					

[1] 1875 only.

No. 744.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

NOTE.—In thousands of long tons (2,240 pounds) unless otherwise specified. Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are for the most part further elaborations of the rolled products listed above

	1905	1910	1915	1920	1925	1927	1928	1929
Rolled products, total	16, 840	21, 621	24, 393	32, 348	33, 387	32, 879	37, 663	41, 069
Rails	3, 376	3, 636	2, 204	2, 604	2, 785	2, 806	2, 647	2, 722
Bessemer	3, 192	1, 884	327	143	10	2	3	3
Open hearth	183	1, 751	1, 775	2, 334	2, 692	2, 718	2, 580	2, 662
Rerolled			102	127	84	87	64	56
Sheets and plates	3, 532,	4, 955	6, 078	9, 338	9, 808	9, 628	11, 006	12, 436
Universal			955	1, 250	1, 196	1, 257	1, 304	1, 425
Sheared			1, 923	3, 505	2, 557	2, 446	2, 609	3, 507
Black sheets [1]			1, 837	2, 886	4, 097	3, 997	4, 962	5, 255
Black plates for tinning			1, 093	1, 449	1, 632	1, 928	2, 130	2, 159
Other black-plate specialties			270	247	325			
Nail and spike plate	65	45	32	21	22	18	16	10
Wire rods	1, 809	2, 242	3, 096	3, 137	2, 845	2, 770	3, 081	3, 134
Structural shapes	1, 661	[2] 2, 267	2, 437	3, 307	3, 604	3, 742	4, 096	4, 778
Merchant bars	3. 594	3, 786	4, 131	6, 130	5, 659	4, 870	6, 278	6, 471
Skelp	1, 436	1, 828	2, 299	3, 220	3, 230	3, 419	3, 369	3, 617
Hoops	446	262	282	333	205	176	176	204
Bands and cotton ties		425	438	389	356	323	384	385
Splice and tie-plate bars			536	576	823	865	798	925
Rolled forging blooms, billets, etc	42	460	651	447	345	286	554	527
Bars for reinforced concrete work	881	241	353	572	820	816	952	952
Hot-rolled strips and flats for cold rolling						1, 318	2, 162	2, 503
Blanks or pierced billets for seamless tubes		1, 474	1, 856	2, 273	2, 886	889	1, 191	1, 382
All other rolled products						951	952	1, 122
Miscellaneous products:								
Tin plate (million pounds)		1, 450	2, 202	3, 080	3, 459	3, 513	3, 842	4, 068
Terneplates (million pounds)		168	163	158	255	235	278	341
Galvanized sheets (million pounds)			1, 582	1, 871	2, 539	2, 768	3, 041	3, 084
Galvanized formed products (million pounds)			112	144	178	169	172	178
Wire nails (thousands of kegs [3])	10, 855	12, 705	14, 583	16, 460	15, 454	14, 389	14, 234	13, 101
Cut nails (thousands of kegs [3])	1, 358	1, 005	775	845	736	703	620	534
Wrought pipe, incl. boiler tubes			1, 920	3, 003	3, 031	3, 117	2, 924	3, 019
Boiler tubes			97	119	63	47	59	62
Seamless steel tubes			140	292	568	864	1, 079	1, 303
Cast-iron pipe (1,000 short tons) [4]			1, 215	887	1, 925	1, 970	1, 872	1, 651
Forgings made by rolling mills		320	524	540	388	356	625	586

[1] Rolled on sheet or jobbing mills.
[2] Small structural forms not included.
[3] Of 100 pounds.
[4] Of 2,000 pounds.

Source of Tables 743 and 744: American Iron and Steel Institute.

No. 745.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Yearly average or year (calendar year)	Total production, finished rolled products	Rails			Plates and sheets		
		Production	Exports	Imports	Production	Exports	Imports
1876–1880		911,095	4,441	59,851			
1881–1885		1,273,688	3,986	116,972			
1886–1890	[1] 5,278,214	1,710,278	7,275	49,775	[1] 684,914		8,013
1891–1895	5,472,349	1,264,677	13,650	1,047	755,878	1,510	23,894
1896–1900	8,162,560	1,881,905	232,518	2,399	1,463,879	30,995	4,771
1901–1905	13,670,907	2,895,138	225,746	43,207	2,694,625	39,505	6,167
1906–1910	18,509,490	3,238,486	303,234	3,963	4,054,102	158,591	4,096
1909	19,644,690	3,023,845	299,540	1,542	4,234,346	180,047	4,720
1910	21,621,279	3,636,081	353,180	7,861	4,955,484	274,521	6,152
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893
1914	18,370,196	1,945,095	174,680	22,571	4,719,246	280,095	4,310
1915	24,392,924	2,204,203	391,370	78,525	6,077,694	419,604	1,420
1916	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730
1917	33,067,700	2,944,161	512,669	9,263	8,207,616	851,529	1,748
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095
1920	32,347,863	2,604,116	594,628	45,684	9,337,680	1,278,558	1,792
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976
1922	26,452,004	2,171,776	277,090	28,629	7,968,397	439,417	[2] 1,947
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	[2] 4,572
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	360,540	[2] 6,066
1925	33,386,060	2,785,257	151,690	36,872	9,807,659	386,912	[2] 4,480
1926	35,495,892	3,217,649	187,557	55,212	10,529,056	517,611	[2] 15,616
1927	32,879,031	2,806,486	177,593	15,455	9,627,734	468,511	[2] 19,760
1928	37,662,916	2,647,493	190,925	14,019	11,006,050	522,657	[2] 30,800
1929	41,069,416	2,722,138	146,060	6,236	12,436,312	540,896	[2] 28,461

Yearly average or year (calendar year)	Nail-plate production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1891–1895	152,803	633,248		34,804	[3] 429,872			2,322,406
1896–1900	78,328	909,819	[4] 16,182	18,087	689,419	[4] 48,877		3,130,210
1901–1905	66,406	1,590,280	16,345	18,390	904,991	55,651	[5] 12,886	5,220,667
1906–1910	52,205	2,056,732	13,403	15,400	1,936,951	121,086	11,107	7,171,013
1909	63,746	2,335,685	20,142	10,544	2,275,562	90,830	6,146	7,711,506
1910	45,294	2,241,830	22,869	20,374	[6] 2,266,890	146,721	14,897	8,475,760
1911	48,522	2,450,453	22,641	15,483	[6] 1,912,367	223,493	5,343	7,316,990
1912	45,331	2,653,553	64,978	15,069	2,846,427	288,164	3,320	9,908,475
1913	37,503	2,464,807	61,037	16,098	3,004,972	403,264	11,659	10,030,144
1914	38,573	2,431,714	61,856	6,954	2,031,124	182,395	10,145	7,204,444
1915	31,929	3,095,907	165,014	5,317	2,437,003	232,139	1,494	10,546,188
1916	30,088	3,518,746	158,284	4,130	3,029,964	300,594	1,473	15,493,093
1917	22,864	3,137,138	181,941	1,060	3,110,000	294,150	6,216	15,585,921
1918	18,310	2,562,390	148,523	7,677	2,849,969	232,729	3,504	14,385,058
1919	12,332	2,538,476	118,010	342	2,614,036	360,787	1,154	10,359,543
1920	20,577	3,136,907	116,775	5,488	3,306,748	493,633	1,685	13,941,335
1921	14,573	1,564,330	18,953	917	1,272,624	297,022	777	5,483,087
1922	21,969	2,654,741	40,424	1,735	2,718,768	187,585	7,823	10,910,363
1923	22,833	3,075,892	40,868	3,948	3,405,197	199,021	10,674	14,370,921
1924	22,175	2,522,545	18,762	6,851	3,283,708	167,910	43,245	11,736,792
1925	22,038	2,844,656	21,207	7,988	3,604,130	160,252	77,291	14,323,220
1926	17,337	2,722,032	19,646	10,075	3,911,663	233,059	121,100	15,098,155
1927	18,051	2,770,271	16,127	17,988	3,742,445	215,226	161,849	13,914,044
1928	16,200	3,080,816	38,610	19,298	4,096,143	296,885	163,762	16,816,214
1929	9,827	3,134,409	42,250	15,653	4,778,020	399,845	148,223	17,988,710

[1] Average for years 1887–1890.
[2] Includes skelp.
[3] Average for years 1892–1895.
[4] Average for period July 1, 1897, to Dec. 31, 1900.
[5] Average for period July 1, 1903, to Dec. 31, 1905.
[6] Small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 746.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Year	Total	Bessemer	Open hearth			Crucible	Electric	Miscellaneous
			Total	Basic	Acid			
1890	4,277,071	3,688,871	513,232			71,175		3,793
1900	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,562		4,862
1905	26,023,947	10,941,375	8,971,376	7,815,728	1,155,648	102,233		8,963
1910	26,094,919	9,412,772	16,504,509	15,292,329	1,212,180	122,303	52,141	3,194
1915	32,151,036	8,287,213	23,670,102	22,308,725	1,370,377	113,782	69,412	1,527
1920	42,132,034	8,883,087	32,671,895	31,375,723	1,296,172	72,265	502,152	3,535
1925	45,393,524	6,723,902	38,034,488	37,087,342	947,146	19,562	615,512	
1926	48,293,703	6,934,568	40,691,979	39,653,315	1,038,664	15,493	651,723	
1927	44,935,185	6,191,727	38,068,335	37,144,268	924,067	9,036	666,087	
1928	51,544,180	6,620,195	44,113,956	43,200,483	913,473	7,769	802,260	
1929	56,433,473	7,124,075	48,352,888	47,232,419	1,120,469	5,079	951,431	

Source: American Iron and Steel Institute.

No. 747.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in tonnages shown. The products chiefly used further in manufacture are wire rods, plates and sheets, black plates for tinning, and skelp. The figures given under "Wire" and "Tin and terneplate" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities. The original census tables contain much fuller detail as to the disposition of semifinished products

Industry and product	Quantity in thousands of tons of 2,240 pounds			Value in thousands of dollars		
	1923	1925	1927	1923	1925	1927
STEEL WORKS AND ROLLING MILLS						
All products, total value				3,154,325	2,946,068	2,779,240
Unrolled steel, total	44,521	45,119	44,767			
Ingots—						
For sale and interplant transfer	551	535	437	18,885	16,360	12,679
Produced and consumed in works	42,850	43,576	43,337			
Direct steel castings—						
For sale and interplant transfer	1,054	938	888	162,611	144,415	145,085
Produced and consumed in works	66	70	95			
Semifinished rolled products, for sale and interplant transfer, total	11,434	11,388	10,307	455,460	405,412	346,051
Blooms, billets, and slabs, except for forging	7,133	6,828	6,161	280,602	243,333	205,828
Rolled blooms and billets for forging	135	153	113	8,522	7,283	4,690
Hammered charcoal blooms, billets, etc.	4	3	1	372	272	80
Sheet and tin-plate bars	4,063	4,351	3,985	159,810	151,756	133,094
Muck and scrap bar	99	53	47	6,064	2,768	2,359
Finished rolled products and forgings, total	[1]34,452	32,647	32,154			
Produced and consumed in works	[1]9,075	8,145	8,416			
For sale and interplant transfer	25,377	24,502	23,738	1,545,528	1,373,049	1,251,788
Rails	2,728	2,693	2,703	113,644	114,334	114,505
Rail joints, fastenings, tie plates, etc.	768	815	893	48,193	46,724	50,304
Structural shapes (not fabricated)	3,201	3,413	3,502	161,749	154,814	148,339
Concrete reinforcing bars	617	709	783	32,446	35,078	35,410
Merchant bars, mill shafting, etc. [2]—						
Steel	5,076	4,933	4,249	316,517	301,604	240,469
Iron	400	255	202	29,419	16,806	13,582
Bolt and nut rods, spike and chain rods, etc.	92	63	95	5,237	3,312	4,381
Wire rods	1,236	1,105	1,024	62,003	54,713	46,059
Plates No. 12 and thicker	4,222	3,862	3,781	220,454	180,668	164,513
Sheets No. 13 and thinner	2,726	2,914	2,982	249,099	234,438	227,663
Skelp	1,383	1,280	1,241	69,215	54,431	50,604
Hoops, bands, strips, and cotton ties [3]	1,315	1,435	1,265	102,507	86,048	60,351
Axles	197	135	119	15,408	11,387	10,737
Armor plate and ordnance	9	1	8	1,921	424	2,613
Car and locomotive wheels	237	147	155	23,345	15,345	15,197
All other rolled and forged products [3]	1,080	742	736	99,290	62,833	60,891
Scrap iron and steel, for sale and interplant transfer	2,218	2,219	2,448	37,100	37,627	35,750
All other (including value added to rolled products by further manufacture)				934,741	969,205	988,487

For footnotes see p. 759.

No. 747.—Products of Steel Works and Rolling Mills, and of the Wire, Tin-Plate, and Cast-Iron Pipe Industries—Continued

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1923	1925	1927	1923	1925	1927
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value					691,909	702,039	697,684
Iron and steel wire:							
Plain wire, total [4]	Ton [5]	3,125	2,963	2,865			
For sale and interplant transfer	do	912	906	907	73,999	71,842	67,618
Produced and consumed in works	do	2,213	2,057	1,958			
Galvanized wire: For sale and interplant transfer	do	331	249	250	23,011	17,246	17,035
Other coated wire: For sale and interplant transfer	do	54	42	45	6,383	5,198	6,368
Cold-rolled flat wire: For sale and interplant transfer	do	140	151	150	19,693	18,859	18,543
Copper wire:							
For sale and interplant transfer	Lb	487,400	504,429	491,819	84,786	85,507	77,090
Produced and consumed in works	do	(6)	(6)	294,745			
Brass wire:							
For sale and interplant transfer	do	68,038	64,138	60,844	16,460	12,228	11,693
Produced and consumed in works	do	(6)	(6)	3,086			
Other metal wire:							
For sale and interplant transfer	do	29,461	45,589	34,117	9,904	13,683	12,009
Produced and consumed in works	do	(6)	(6)	7,209			
Fabricated wire products for sale:							
Iron and steel—							
Nails and spikes	Keg [7]	18,161	15,077	14,819	64,880	53,623	48,002
Brads and tacks [8]	Lb	3,987	7,350	7,135	428	809	690
Staples	do	63,644	53,427	49,379	2,373	1,853	1,596
Barbed wire	Ton [5]	256	248	202	19,276	16,659	12,973
Rope, cable, and strand		(9)	(9)	(9)	44,217	46,684	45,916
Woven-wire fence and poultry netting, plain and coated.		(9)	(9)	(9)	50,728	41,969	43,786
Wire cloth		(9)	(9)	(9)	28,832	24,189	14,225
Other woven wire		(9)	(9)	(9)			5,395
Bale ties		(9)	(9)	(9)			4,580
Wire springs		(9)	(9)	(9)	45,688	57,753	32,187
Other fabricated iron and steel wire products.		(9)	(9)	(9)			41,868
Copper-wire products—							
Wire cloth		(9)	(9)	(9)	6,740	8,942	2,213
Other fabricated copper wire products, except insulated.		(9)	(9)	(9)			10,970
Brass-wire products; not including wire cloth.		(9)	(9)	(9)	10,039	14,378	3,629
Other (bronze and other alloys except brass) wire products, not including wire cloth.		(9)	(9)	(9)			224
Wire cloth of brass, bronze, and other alloys.		(9)	(9)	(9)			6,583
Not distributed by class							1,436
Insulated wire and cable		(9)	(9)	(9)	184,472	210,617	210,048
TIN PLATE AND TERNEPLATE							
All products, total value					165,587	190,918	193,894
Tin plate	Lb	3,159,251	3,480,401	3,560,417	154,636	179,382	180,410
Terneplate	do	137,301	181,436	193,056	7,840	9,229	10,016
All other products	do				3,111	2,307	3,468
CAST-IRON PIPE INDUSTRY							
All products, total value					92,674	[10]103,003	[10] 95,283
Gas and water pipe and fittings	Ton [5]	1,140	1,434	1,505	63,916	70,952	65,549
Soil and plumbers' pipe and fittings	do	425	524	489	24,033	26,434	25,688
Castings, other	do	23	26	24	2,810	2,891	1,960
All other					1,915	2,726	2,086

[1] Not strictly comparable with figures for 1925 and 1927 because of duplication in reports of some establishments, which reported the tonnage "Produced and consumed in works" in two forms; for example, as bars, and as rail joints and fastenings; also because of the fact that the 1923 figure includes the tonnage of iron castings produced and consumed in works.

[2] Includes a considerable tonnage of cold rolled steel for years 1923 and 1925, but none for 1927.

[3] Includes "nail and tack plate" not shown separately to avoid disclosing the individual operations.

[4] All iron and steel wire, including that subsequently galvanized, otherwise coated and cold rolled.

[5] Of 2,000 pounds. [6] No comparable data. [7] Of 100 pounds.

[8] Not including value of brads and tacks made from tack plate.

[9] Complete data not available; see original census reports.

[10] Includes cast-iron pipe made as a secondary product in other industries. Figures for 1923 do not include such products.

Source: Bureau of the Census, Department of Commerce.

No. 748.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by Table 747.

Year	Number of establishments	Wage earners (average number)	Wages	Value of products [1]	Value added by manufacture [2]	Primary horsepower
			Thousands of dollars			
1879	792	[3] 140,798	[3] 55,451	296,558	105,287	[4]
1889	719	171,181	89,273	478,688	151,415	784,358
1899	668	222,490	120,820	803,968	281,569	1,598,073
1904	605	242,640	141,427	905,788	285,642	2,422,577
1909	654	278,505	187,807	1,377,152	399,013	3,274,400
1914	587	278,072	210,023	1,236,319	380,913	[5] 3,925,869
1919	695	416,748	711,407	3,623,389	1,321,507	[5] 5,390,574
1921	628	254,213	354,367	1,901,431	535,256	[4]
1923	658	424,913	696,761	4,161,938	1,289,910	5,999,941
1925	595	399,914	660,297	3,711,364	1,281,976	6,143,927
1927	602	389,270	645,534	3,488,744	1,219,534	6,781,058
Blast furnaces:						
1925	122	28,188	45,312	765,286	147,869	1,380,394
1927	116	27,958	44,258	708,904	129,349	[6]
Steel works and rolling mills:						
1925	473	370,726	614,985	2,946,068	1,134,107	4,763,533
1927	486	361,312	601,275	2,779,840	1,090,185	[5] 6,781,058

[1] Includes much duplication.
[2] Value of products less cost of materials.
[3] Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.
[4] No data.
[5] This total differs slightly from the corresponding one published in previous reports because of the exclusion here and the inclusion in previous reports of data for rented power other than electric.
[6] Blast furnace data are included with steel works and rolling mills.

Source: Bureau of the Census, Department of Commerce.

No. 749.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL [1]

NOTE.—Prior to 1922, the small items for which quantity is not available are excluded, while in later years all items are included. Ferromanganese is included for all years.

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Year	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890	52		1910	1,538	63,436	1922	1,995	130,334
1895	89		1911	2,188	86,599	1923	2,010	167,247
1900	1,154	42,518	1912	2,948	112,535	1924	1,806	150,494
1901	701	29,050	1913	2,746	108,875	1925	1,763	144,262
1902	372	15,889	1914	1,550	63,409	1926	2,167	174,145
1903	327	14,533	1915	3,533	140,993	1927	2,183	180,009
1904	1,168	35,248	1916	6,101	353,971	1928	2,865	179,881
1905	1,010	33,813	1917	6,439	567,041	1929	3,038	200,253
1906	1,328	52,215	1918	5,375	558,279			
1907	1,302	60,046	1919	4,400	410,164			
1908	964	43,397	1920	4,935	458,376			
1909	1,244	50,777	1921	2,213	214,830			

[1] Beginning with 1922 the small item "steam and hot water heating boilers and radiators" is omitted.

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 750.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and Tables 749 and 751 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1926	1927	1928	1929	1926	1927	1928	1929
Total	2,166,850	2,183,091	2,885,103	3,037,857	174,145	160,609	179,881	200,253
Pig iron, not including ferro-alloys	25,208	50,992	84,682	46,357	524	1,028	1,367	830
Ferromanganese and spiegeleisen	693	1,641	9,440	1,574	44	62	233	59
Scrap	104,338	239,159	516,139	557,044	1,794	3,765	6,615	7,753
Ingots, blooms, billets, sheet bars, and skelp	100,954	98,613	161,855	173,665	4,555	4,344	6,617	7,007
Iron bars	5,171	3,872	6,229	5,074	445	345	492	333
Steel bars	137,771	111,126	158,475	183,894	8,935	6,988	9,114	10,170
Alloy steel bars	4,945	6,149	14,079	15,743	923	917	1,487	1,660
Wire rods	19,646	16,128	38,617	42,251	1,086	883	1,734	2,012
Galvanized sheets	178,635	152,181	152,280	151,510	18,392	15,498	14,664	14,759
Plates, iron and steel	138,260	139,632	166,269	193,695	7,602	7,024	8,400	10,018
Black steel sheets	175,740	152,525	179,286	173,602	14,195	12,188	13,567	14,307
Black iron sheets	19,253	17,147	16,289	15,855	2,024	1,603	1,634	1,597
Hoop, band, and strip steel	46,914	43,159	58,080	70,864	3,453	3,061	3,979	5,136
Tin plate, terneplate, etc	250,782	253,890	249,642	258,965	28,766	29,062	26,346	28,568
Structural shapes, plain material	157,121	148,176	202,804	288,513	7,655	6,554	8,754	12,684
Structural materials, fabricated	77,285	69,423	92,758	112,099	6,952	5,912	8,112	9,072
Metal lath	4,376	4,666	5,358	5,452	729	779	830	816
Steel rails	187,557	177,586	190,905	146,060	7,643	6,783	6,926	5,332
Rail fastenings, switches, frogs, etc	41,771	34,372	41,995	32,597	3,344	3,155	3,483	3,223
Boiler tubes and welded pipe	275,452	248,473	248,895	278,276	26,522	23,290	23,326	27,622
Cast-iron pipe and fittings	34,111	27,975	33,979	46,919	4,094	3,436	3,350	5,075
Malleable-iron screwed pipe fittings	12,367	10,061	10,034	12,534	3,434	3,086	2,857	3,928
Barbed-wire and woven-wire fencing	50,721	52,393	74,335	64,478	3,719	3,762	5,015	4,445
Plain wire	31,312	35,435	46,177	45,505	2,710	2,843	3,467	3,654
Wire cloth and screening	1,989	2,255	1,884	1,667	746	827	626	669
Wire rope	4,779	4,547	5,367	6,958	1,446	1,342	1,578	1,907
Insulated wire and cable	738	491	640	1,076	276	191	217	397
Wire, other, and manufactures thereof	8,983	9,558	9,812	10,382	1,983	1,894	2,145	2,446
Wire nails	11,743	9,990	14,547	12,987	885	763	956	864
Nails other than wire, including tacks	7,925	8,429	9,892	10,256	1,635	1,655	1,684	1,784
Horseshoes	660	563	468	441	102	91	73	69
Bolts, nuts, rivets, and washers [1]	13,221	12,228	13,278	16,236	2,409	2,196	2,537	3,145
Car wheels and axles	16,079	16,661	17,139	21,459	1,487	1,273	1,309	1,660
Iron castings	8,839	11,724	12,061	10,976	1,276	1,353	1,518	1,573
Steel castings	7,566	7,003	9,710	10,824	1,329	1,808	2,551	2,975
Forgings	2,645	4,868	11,703	12,070	533	827	2,308	2,207

[1] Except track.

No. 751.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 750

Country	1927	1928	1929	Country	1927	1928	1929
Belgium	6,609	14,079	2,689	Colombia	59,080	64,843	41,016
France	4,586	9,115	18,104	Ecuador	1,829	3,296	3,844
Germany	10,794	22,028	21,991	Peru	32,207	26,543	35,674
Italy	41,833	90,011	111,857	Uruguay	11,393	9,038	11,112
Netherlands	12,099	2,332	3,094	Venezuela	45,867	80,499	67,851
Norway	4,167	4,378	5,293	India and Ceylon	28,497	25,509	21,661
Spain	3,578	1,483	13,948	British Malaya	8,444	6,457	8,174
United Kingdom	66,915	54,069	66,371	China	53,343	92,337	69,246
Canada	832,218	1,178,063	1,234,861	Netherland East Indies	35,258	40,726	61,115
Central America	45,361	43,852	52,943	Hong Kong	3,951	5,515	7,131
Mexico	81,747	83,116	104,913	Japan	278,206	411,754	426,974
British West Indies	12,384	7,651	18,049	Kwantung	19,293	14,021	11,709
Cuba	92,486	65,205	67,882	Philippine Islands	63,343	84,217	103,180
Dominican Republic	9,930	6,722	4,887	Australia	26,670	19,633	22,101
Argentina	82,380	98,443	94,280	New Zealand	1,291	2,365	5,271
Brazil	70,633	83,900	71,864	British South Africa	10,403	7,419	8,131
Chile	44,641	69,875	67,941	All other	81,355	135,569	172,700

Source of Tables 750 and 751: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 752.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron				Rails at mills in Pennsylvania [2]	Bessemer steel billets, Pittsburgh	Soft-steel bars, Pittsburgh	Iron bars, Pittsburgh [3]	Tank plates, Pittsburgh	Beams, Pittsburgh	Composite finished steel
	Bessemer, Pittsburgh	Basic, The Valleys	Southern, No. 2, Cincinnati	Local, No. 2, Chicago [1]							
1891–1895	13.46		11.74	12.80	27.27	20.89		1.46			
1896–1900	14.22		12.56	14.30	24.95	21.08	[4] 1.46	1.50	1.61	[4] 1.63	
1901	15.93		13.61	15.38	27.33	24.13	1.42	1.80	1.55	1.58	
1902	20.67		20.00	20.86	28.00	30.57	1.58	1.94	1.70	1.81	
1903	18.98		17.08	19.25	28.00	27.91	1.56	1.77	1.61	1.62	
1904	13.76		12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905	16.36	15.25	15.57	17.55	28.00	24.03	1.48	1.87	1.58	1.62	1.76
1906	19.54	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907	22.84	20.87	23.10	24.50	28.00	29.25	1.60	1.94	1.70	1.70	1.92
1908	17.07	15.16	15.54	17.57	28.00	26.31	1.49	1.60	1.64	1.64	1.86
1909	17.41	15.48	16.12	17.49	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910	17.19	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911	15.71	13.07	13.67	14.83	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913	17.13	14.71	14.90	15.85	28.00	25.79	1.55	1.69	1.50	1.50	1.66
1914	14.89	12.87	13.41	13.80	30.00	20.09	1.15	1.32	1.14	1.15	1.43
1915	15.78	13.74	13.57	14.01	30.00	22.44	1.31	1.48	1.31	1.30	1.53
1916	23.86	19.76	18.67	20.26	34.00	43.95	2.67	2.13	3.53	2.55	2.67
1917	43.64	38.90	38.95	41.31	40.00	70.96	3.64	3.83	5.88	3.67	4.19
1918	36.67	32.50	36.56	33.25	57.00	47.33	2.89	4.31	3.24	2.99	3.54
1919	31.12	27.65	32.16	29.16	49.29	40.51	2.50	4.10	2.72	2.53	3.12
1920	44.44	42.21	44.47	42.53	54.42	56.22	3.22	4.75	3.28	2.95	3.68
1921	25.34	21.74	26.68	22.93	45.69	34.46	1.87	4.47	1.93	1.94	2.53
1922	27.58	24.20	23.93	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923	28.97	25.81	27.87	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924	23.29	20.24	23.92	22.11	43.00	37.99	2.20	4.00	2.12	2.10	2.61
1925	22.33	19.59	23.74	22.09	43.00	35.23	2.02	4.52	1.91	1.99	2.47
1926	21.33	18.55	24.71	21.64	43.00	36.00	2.00	4.62	1.88	1.95	2.44
1927	20.46	17.70	21.16	19.68	43.00	33.27	1.84	4.68	1.82	1.83	2.36
1928	19.22	16.66	19.70	18.54	43.00	32.67	1.87	4.64	1.87	1.87	2.35
1929	20.64	18.19	18.51	20.00	43.00	34.66	1.92	4.13	1.93	[5] 1.92	2.39

[1] At furnace after 1907.

[2] Bessemer rails to end of 1913; open-hearth thereafter. The extra $2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.

[3] All muck iron for 1890; subsequently, best refined.

[4] Average for years 1898–1900.

[5] Structural shapes from March 19, 1929.

No. 753.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1920	1925	1926	1927	1928	1929
BAUXITE							
Quantities, long tons, (2,240 pounds):							
Production	210,241	521,308	316,540	392,250	320,940	375,426	365,777
Georgia, Alabama, and Tennessee	40,370	40,029	20,220	20,680	17,110	14,100	14,723
Arkansas	169,871	481,279	296,320	371,570	303,830	361,236	351,054
Imports for consumption	21,456	42,895	353,696	281,044	356,580	350,111	380,812
Exports	(1)	22,257	78,633	87,770	121,858	112,984	133,651
Value of production [2] (1,000 dollars)	998	3,247	1,988	2,415	1,989	2,274	2,266
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	36,430	37,583	39,266	47,399	51,864
Secondary metal	2,199	9,489	24,816	24,808	23,470	22,848	(1)
Imports for consumption, total	4,784	13,077	10,107	16,779	14,202	8,873	10,860
Crude and semicrude	4,388	12,184	9,806	16,422	13,317	8,057	9,935
Manufactures	396	893	301	357	885	816	926
Exports, total	966	5,631	6,057	4,452	6,307	6,891	7,971
Crude and semicrude		3,068	3,366	2,135	3,479	3,759	4,150
Manufactures		2,563	2,691	2,317	2,829	3,133	3,822
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,290	41,997	71,392	62,575	38,847	50,881
Exports (crude and semicrude)	(1)	9,408	12,642	7,634	14,523	15,728	17,032

[1] Unavailable.

[2] F. o. b. mines.

Sources: Table 752, Iron Age and American Iron and Steel Institute; Table 753, Bureau of Mines, Department of Commerce.

No. 754.—COPPER: Production, Exports, Imports, and Consumption

NOTE.—**All quantities except ore produced in millions and tenths of millions of pounds.** Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

Item	1910	1915	1920	1925	1926	1927	1928	1929
UNREFINED COPPER								
Ore produced (million short tons) [1]	28.5	43.4	36.8	53.1	57.2	56.7	62.1	(2)
Average copper yield, per cent	1.88	1.66	1.63	1.54	1.46	1.41	1.41	(2)
Smelter output from domestic ore	1,030.2	1,388.0	1,209.1	1,674.9	1,739.6	1,684.0	1,825.9	2,002.9
Mine production	1,088.2	1,488.1	1,224.6	1,678.1	1,725.2	1,650.0	1,809.8	(2)
Imports, unrefined:								
Ore (copper content)	64.2	92.1	52.0	107.6	106.7	99.3	106.2	124.6
Concentrates (copper content)	21.0	22.3	46.8	54.0	44.8	68.2	39.5	53.7
Matte and regulus (copper content)			17.6	1.7	2.1	1.4	2.6	2.1
Black, in bars, pigs, etc	[3] 259.2	[3] 193.8	244.7	379.3	443.8	438.6	543.2	646.2
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,027.0	2,151.0	3,045.0	3,232.0	3,306.0	3,560.0	(2)
New copper (primary)	1,422.0	1,634.2	1,526.2	2,204.6	2,322.5	2,325.8	2,487.6	2,740.1
Domestic	1,071.9	1,387.7	1,182.4	1,682.9	1,731.3	1,719.0	1,791.8	1,982.7
Foreign	350.1	246.5	343.7	521.7	591.2	606.8	695.8	757.4
Electrolytic	1,128.3	1,360.8	1,351.7	2,050.6	2,142.0	2,125.8	2,300.9	2,542.3
Lake	221.5	236.8	153.5	138.0	172.4	195.1	179.1	185.3
Casting and best select [4]	72.3	36.6	21.0	15.9	8.1	4.8	7.6	12.5
Old copper refined (secondary)	189.0	392.4	624.9	840.4	959.6	980.4	1,072.8	(2)
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,634.2	1,526.2	2,204.6	2,322.5	2,325.8	2,487.6	2,740.1
Refined copper imported	(3)	(3)	108.7	99.8	170.6	103.3	84.7	134.0
Refined copper exported [5]	708.3	588.8	553.1	1,022.3	900.9	981.1	1,020.8	903.5
Stocks, Dec. 31 (refined)	122.8	82.4	659.0	124.0	146.0	171.0	114.0	306.0
Withdrawn on domestic account:								
New refined copper	732.4	1,136.6	1,053.8	1,401.0	1,570.1	1,423.0	1,608.5	1,778.6
New and old copper [6]	921.0	1,529.0	1,679.6	2,241.0	2,530.0	2,403.0	2,681.3	(2)

[1] 2,000 pounds.
[2] Not available.
[3] Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.
[4] Includes pig for years 1915 and 1920.
[5] Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.) prior to 1925.
[6] Total from preceding line plus production of secondary copper as given above.

No. 755.—COPPER: Smelter Production by State of Origin of Ore Smelted

[Quantities in thousands of pounds]

State of origin	1900	1910	1915	1920	1925	1927	1928	1929
Total	606,117	1,080,160	1,388,010	1,209,061	1,674,870	1,684,04	1,825,900	2,002,863
Alaska		4,311	70,695	66,094	72,204	56,489	40,542	39,868
Arizona	118,318	297,251	432,468	552,989	722,653	681,168	735,632	829,207
California	28,511	45,760	37,668	11,822	46,944	25,803	24,708	33,084
Colorado	7,827	9,307	7,272	4,283	3,163	8,007	10,202	10,520
Idaho	290	6,878	6,218	1,922	3,144	1,811	2,337	6,268
Michigan	145,461	221,463	238,956	153,484	138,030	195,135	179,104	185,301
Missouri			306	533	12	5	1	2
Montana	270,754	283,079	268,263	177,744	270,605	225,209	251,046	299,895
Nevada	408	64,495	67,767	55,580	77,138	118,268	159,333	138,090
New Mexico	4,169	3,785	62,817	52,160	76,467	79,761	92,777	100,165
Oregon		22	797	2,529	126	485	375	739
Pennsylvania		741		618	562	2,149	5,014	3,581
Tennessee		16,692	18,205	16,728	19,789	14,499	10,374	(1)
Utah	18,355	125,185	175,178	110,358	242,731	267,706	298,375	325,965
Washington		65	904	2,126	1,185	1,767	1,197	1,569
Undistributed	12,024	1,127	514	92	117	5,749	8,821	27,709

[1] Included under "Undistributed."

Source of Tables 754 and 755: Bureau of Mines, Department of Commerce.

No. 756.—COPPER: SMELTER AND REFINERY OUTPUT

NOTE.—Smelter output as here given represents the production of unrefined copper from domestic (including Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 754

[Quantities in millions of pounds; values in thousands of dollars]

Period	Smelter output from domestic ore		Year	Smelter outpnt from domestic ore		Refinery output (quantity)			
						New copper			Secondary copper
	Quantity	Value		Quantity	Value	Total[1]	Domestic	Foreign[1]	
1850	1½	320	1908	943	124,419	1,138	943	195	
1860	16	3,709	1909	1,093	142,084	1,391	1,093	298	
1870	28	5,997	1910	1,080	137,180	1,422	1,072	350	189
1871–1875	34	8,895	1911	1,097	137,154	1,434	1,097	337	214
1876–1880	50	9,679	1912	1,243	205,139	1,568	1,243	325	273
1881–1885	118	17,236	1913	1,224	189,795	1,615	1,237	378	276
1886–1890	226	30,345	1914	1,150	152,968	1,534	1,150	384	252
1891–1895	339	37,266	1915	1,388	242,902	1,634	1,388	247	305
1896–1900	531	74,424	1916	1,928	474,288	2,259	1,928	331	700
1901–1905	732	103,859	1917	1,886	514,911	2,428	1,886	542	767
1906–1910	980	150,924	1918	1,909	471,408	2,432	1,883	549	705
1911–1915	1,221	185,692	1919	1,286	239,274	1,805	1,433	372	574
1916–1920	1,644	395,270	1920	1,209	222,467	1,526	1,182	344	625
1921–1925	1,240	171,275	1921	506	65,221	951	609	341	435
			1922	950	128,289	1,256	905	351	672
1901	602	100,546	1923	1,435	210,945	1,980	1,464	516	822
1902	660	80,460	1924	1,634	214,087	2,260	1,674	586	777
1903	698	95,632	1925	1,675	237,832	2,205	1,683	522	840
1904	813	104,005	1926	1,740	243,547	2,322	1,731	591	960
1905	889	138,650	1927	1,684	220,609	2,326	1,719	607	980
1906	918	177,136	1928	1,826	262,930	2,488	1,792	696	1,073
1907	869	173,799	1929	2,003	352,504	2,740	1,983	757	[2]

[1] Includes refined copper imported from 1908 to 1919, inclusive.
[2] Not available.

Source: Bureau of Mines, Department of Commerce.

No. 757.—EXPORTS AND IMPORTS OF COPPER

NOTE.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891–1915 and of imports for years 1894–1903 was estimated

[Quantities in short tons (2,000 pounds); values in thousands of dollars]

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891–1895[1]	65,586	14,392	5,477	896	1921	314,402	97,898	175,236	45,785
1896–1900[1]	137,684	36,745	24,634	5,866	1922	368,428	103,874	270,507	66,829
1901–1905[1]	190,451	54,942	83,237	22,611	1923	412,375	129,220	338,236	95,088
1906–1910[1]	289,445	92,334	130,111	38,026	1924	556,106	156,646	384,408	96,184
1911–1915[1]	416,840	123,655	176,635	46,129	1925	540,376	161,166	326,486	84,270
1916–1920[2]	376,877	208,909	244,948	103,805	1926	482,843	141,204	389,721	99,742
1921–1925	438,337	129,761	208,975	77,811	1927	538,365	150,214	359,161	84,963
1919	258,314	130,790	214,604	86,271	1928	562,510	169,831	393,537	98,187
1920	312,027	141,717	242,835	90,019	1929	499,237	183,367	487,156	153,710

[1] Fiscal years ended June 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 758.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—Production in short tons (2,000 pounds); values except price per pound in thousands of dollars. This table, except the column for secondary lead, relates to new (primary) lead only; the totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in Table 759 part of the lead from domestic ore is unrefined

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1896	257,487	15,449	1913	462,460	40,696
1840	17,000	1,666	1897	282,169	20,316	1914	542,122	42,286
1850	22,000	2,112	1898	302,148	22,963	1915	550,055	51,705
1860	15,600	1,778	1899	293,047	26,824	1916	571,134	78,817
1870	17,830	2,247	1900	307,773	32,364	1917	610,769	105,052
1880	95,725	9,573	1901	371,032	30,909	1918	640,195	90,908
1885	126,192	10,095	1902	367,892	30,167	1919	482,220	51,115
1886	132,180	12,161	1903	368,039	30,991	1920	529,657	84,745
1887	156,630	14,097	1904	393,452	33,837	1921	448,589	40,373
1888	176,015	15,489	1905	388,307	36,501	1922	532,662	58,593
1889	178,357	13,912	1906	404,746	46,141	1923	618,322	86,565
1890	157,844	14,206	1907	413,389	43,819	1924	690,493	110,479
1891	198,363	17,059	1908	396,564	33,311	1925	766,969	133,453
1892	208,223	17,074	1909	446,909	38,434	1926	798,941	127,831
1893	224,320	16,600	1910	470,272	14,384	1927	796,530	100,363
1894	213,650	14,101	1911	480,979	43,828	1928	781,071	90,604
1895	235,822	15,063	1912	480,894	43,280	1929	774,633	97,604

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized [1]	Soft	Domestic ores and bullion [2]	Foreign ores	Foreign base bullion			
1870		17,830	17,830			$0.063		
1880	68,035	27,690	95,725			.050	2,100	
1885	104,217	21,975	126,192			.040	3,220	
1890	126,493	31,351	139,720	18,124		.045	3,910	
1895	195,932	39,890	159,649	76,173		.032	6,060	
1900	319,752	48,021	260,918	106,855		.044	9,906	
1905	302,852	85,455	307,514	80,793		.047	10,995	
1910	328,954	141,318	375,402	18,065	76,805	.044	14,069	55,422
1915	388,594	161,461	507,026	9,581	33,448	.047	23,224	78,900
1920	339,803	189,854	476,849	8,414	44,394	.080	12,535	124,650
1925	506,409	260,560	654,921	47,024	65,024	.087	19,667	226,880
1927	562,586	233,944	668,320	32,369	95,841	.063	24,347	276,000
1928	556,068	225,003	626,202	26,632	128,237	.058	33,058	308,600
1929	530,288	235,345	672,498	29,675	72,460	.063	25,669	[3]

[1] Desilverized soft lead is included. [2] Excludes antimonial lead. [3] Not available.

No. 759.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See note to Table 758]

Source of ore	1910	1915	1920	1925	1926	1927	1928	1929
Total	494,081	580,041	547,155	798,499	814,086	812,545	797,586	788,127
From domestic ore	389,211	537,012	494,347	686,451	695,830	684,185	642,697	685,992
Arizona	948	6,953	5,987	10,281	10,646	7,918	8,144	8,153
Colorado	38,542	32,352	17,752	31,855	37,553	37,040	28,083	23,675
Idaho	109,951	160,680	117,191	123,363	132,564	150,618	141,748	147,505
Kansas	1,308	1,320	8,421	15,001	20,884	[1] 25,403	[1] 27,014	[1] 27,652
Missouri	161,659	195,634	171,999	208,547	218,083	210,366	192,789	211,345
Montana	1,943	4,853	13,231	22,008	26,350	23,041	20,470	26,795
Nevada	2,246	7,664	8,650	10,978	11,379	8,680	6,823	13,256
Oklahoma	1,805	4,348	68,494	78,487	70,004	[1] 47,857	[1] 46,692	[1] 44,105
Utah	60,605	106,105	64,006	166,844	151,127	155,199	151,724	157,035
Wisconsin	3,909	2,632	3,841	2,889	2,052	2,067	1,812	1,729
Undistributed	4,058	9,911	10,409	14,657	14,683	14,011	16,696	22,699
Zinc residues	2,237	4,502	4,366	1,541	505	1,905	102	1,903
From foreign ore [2]	18,065	9,581	8,414	47,024	48,210	32,539	26,632	29,675
Africa	3,310		1,171		6	12		
Canada	25	1,174	1,186	10,676	5,385	4,138	10,123	9,499
Mexico	11,704	5,437	2,729	31,107	32,693	22,844	14,830	16,807
South America	2,996	2,829	2,747	4,496	9,893	5,506	1,568	3,285
From foreign base bullion [2]	76,805	33,448	44,394	65,024	70,046	95,841	128,237	72,460
Mexico	76,805	33,173	42,421	65,024	70,046	95,841	117,193	51,295
Peru							11,044	21,165

[1] Separation as between Kansas and Oklahoma is made on the basis of mine figures.
[2] Totals include small unspecified items.

Source of Tables 758 and 759: Bureau of Mines, Department of Commerce.

No. 760.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—All data in short tons (2,000 pounds). Apparent consumption is only approximate, as no account is taken of changes in stocks outside of bonded warehouses

	1910	1915	1920	1925	1926	1927	1928	1929
Supply, total	473,838	550,487	565,610	779,035	818,255	809,708	791,197	780,430
Stock in bonded warehouses Jan. 1	79	2	234	5,045	8,162	10,711	9,464	4,139
Imports of pigs, bars, and old	3,485	410	35,719	7,021	11,152	2,467	662	1,658
Production from domestic and foreign ore	470,272	550,055	529,657	766,969	798,941	796,530	781,071	774,633
Deductions, total	78,661	130,907	27,590	123,380	100,602	146,735	133,632	87,665
Exports of foreign lead: From warehouses [1]	69,786	38,618	17,363	98,564	67,660	122,734	102,067	53,093
In manufactures with benefit of drawback	8,800	3,983	6,175	11,699	17,955	12,004	13,224	13,086
Exports of domestic lead	----------	88,306	2,730	4,955	4,276	2,533	14,202	19,258
Stock in bonded warehouses Dec. 31	75	----------	1,322	8,162	10,711	9,464	4,139	1,328
Apparent consumption	395,175	419,580	538,020	655,655	717,653	662,973	667,565	692,765

[1] Includes exports of pigs, bars, etc., produced from foreign ore and reexports of foreign lead imported in the form of pigs and bars.

Source: Bureau of Mines, Department of Commerce.

No. 761.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,[1] 1927

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: Babbitt metal, type metal, and solder; brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified; lead bar, pipe, and sheet; and smelting and refining, metals other than gold silver, or platinum, not from the ore

[Quantities in thousands of pounds; values in thousands of dollars]

Kind	1927		Kind	1927	
	Quantity	Value		Quantity	Value
Ingots and pigs:			Castings, rough:		
Copper (secondary)	33,674	4,254	Brass and bronze—		
Lead (secondary)	217,925	14,774	Weight reported	307,704	59,330
Zinc (secondary)	99,627	5,980	Weight not reported	----------	6,952
Brass and bronze	249,664	29,504	Copper	4,511	1,313
Babbitt	77,091	17,467	Nickel and nickel alloys	----------	1,772
Solders, of all kinds	97,700	29,858			
Type metal	74,269	7,341	Finished products:		
Plates and sheets:			Castings, finished, brass and bronze	----------	16,321
Brass and bronze	329,573	60,768			
Copper	185,205	39,232	Bearings and bushings, brass and bronze (including Babbitt-lined bearings)	----------	18,513
Lead	52,591	4,807			
Nickel and nickel alloys	----------	12,583	Die castings, total	----------	20,060
Rods and bars:			Aluminum and zinc base alloys	----------	19,266
Brass and bronze	183,361	28,241	Brass and bronze	----------	794
Copper	220,110	32,476			
Nickel and nickel alloys	----------	3,985	Extruded shapes, total	----------	2,788
Tubing (seamless) and pipe:			Brass and bronze	----------	2,611
Brass and bronze	124,589	25,910	Copper	----------	177
Copper	72,329	17,852			
Lead	87,669	8,292	Forgings and hot-pressed parts, brass	----------	4,214
Nickel and nickel alloys	----------	545			
Tubing, brazed (practically all brass)	12,297	3,354	Ornamental grilles and railings, brass and bronze	----------	6,813
Wire, bare: [2]					
Brass and bronze	64,759	13,283	Bells	----------	820
Copper	159,765	25,366			

[1] This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.
[2] Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

No. 762.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

NOTE.—The excess of mine production over smelter production is due chiefly to export of ore

[All quantity figures in short tons (2,000 pounds); values in thousands of dollars]

	1910	1915	1920	1925	1926	1927	1928	1929 [1]
Mine production (recoverable zinc content of ore)	327,618	587,595	587,524	710,847	774,563	718,541	695,170	731,300
Colorado	38,545	52,297	24,395	30,811	32,500	35,805	35,731	29,700
Idaho	2,802	35,077	13,966	15,619	26,307	26,778	31,263	45,675
Kansas	13,229	14,365	61,073	118,778	126,307	100,427	107,251	109,850
Missouri	128,589	136,300	24,599	14,794	26,018	18,737	12,974	11,017
Montana	15,819	93,573	92,169	57,658	73,701	80,231	82,830	84,800
Nevada	1,354	12,188	5,349	7,411	5,499	3,172	3,398	8,465
New Jersey	68,584	117,722	78,511	89,261	80,629	95,695	99,871	103,740
New Mexico	9,044	12,702	5,007	9,246	12,052	29,802	31,203	34,000
New York	----------	2,455	5,654	5,158	5,041	3,750	11,257	10,250
Oklahoma	6,394	14,314	219,727	283,371	272,567	206,611	180,252	192,042
Tennessee	906	16,461	19,217	16,256	12,098	10,400	[2] 32,917	[2] 40,558
Utah	8,184	12,146	4,079	26,306	47,590	49,593	46,929	50,200
Wisconsin	25,927	41,403	27,285	20,230	26,800	32,841	18,417	16,986
Other States	8,181	26,592	6,583	15,948	27,544	15,639	877	----------
Smelter production	310,407	542,419	506,227	634,376	682,992	667,316	673,281	----------
Primary zinc	269,184	489,519	463,377	572,946	618,422	592,516	602,581	624,520
From domestic ore	252,479	458,135	450,045	555,631	611,991	576,960	591,525	611,209
From foreign ore	16,705	31,384	13,332	17,315	6,431	15,556	11,056	13,311
Secondary zinc	41,223	52,900	42,850	61,430	64,570	64,800	70,700	----------
Redistilled	12,784	29,764	21,371	39,181	40,799	42,784	48,666	47,343
Remelted	28,439	23,136	21,479	22,249	23,771	22,016	22,034	----------
Value of primary product from domestic ore ($1,000)	27,268	113,617	72,907	84,456	91,799	73,851	72,166	80,680
Primary zinc consumed:								
Supply, total	282,350	510,518	508,347	593,724	631,524	619,512	656,106	673,178
Stock, Jan. 1	11,206	20,095	36,793	20,754	13,080	26,937	53,522	48,432
Produced	269,184	489,519	463,377	572,946	618,422	592,516	602,581	624,520
Imported	1,960	904	8,177	24	22	59	3	226
Deductions:								
Exports, total	13,234	131,410	114,267	80,547	47,561	49,617	29,614	19,676
Stock, Dec. 31	23,232	14,253	71,037	13,080	26,937	53,522	48,432	89,453
Apparent domestic consumption	245,884	384,855	323,043	500,097	557,026	516,373	578,060	564,049

[1] Total mine production figures and data for some States are preliminary; data for other States are not yet available.
[2] Includes Virginia.

Source: Bureau of Mines, Department of Commerce.

No. 763.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values [1] in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875	15,833	[2] 2,217	1921–1925	426,261	56,149	1920	450,045	72,907
1880 [3]	23,239	2,277	1911	271,621	30,965	1921	198,232	19,823
1885	40,688	3,540	1912	323,907	44,699	1922	353,274	40,273
1886–1890	54,285	5,219	1913	337,252	37,772	1923	508,335	69,134
1891–1895	82,396	6,787	1914	343,418	35,029	1924	515,831	67,058
1896–1900	109,963	10,180	1915	458,135	113,617	1925	555,631	84,456
1901–1905	169,504	17,067	1916	564,338	151,243	1926	611,991	91,799
1906–1910	219,378	24,165	1917	584,597	119,258	1927	576,960	73,851
1911–1915	346,867	52,416	1918	492,405	89,618	1928	591,525	72,166
1916–1920	508,731	99,812	1919	452,272	66,032	1929	611,209	80,680

[1] Values at New York prices up to and including 1907; at St. Louis prices, 1908 to 1914; at average price all grades, 1915 and later years.
[2] Computed at yearly average of high and low monthly prices at New York.
[3] Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

No. 764.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, AND PHILIPPINE ISLANDS

NOTE.—The value of gold, in terms of money, being unchanging at $20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923), which at times has differed materially from coinage value

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792–1847	1,187	310	405	1901	3,806	55,214	33,128
1848–1850	4,858	116	152	1902	3,870	55,500	29,415
1851–1855	14,271	194	259	1903	3,560	54,300	29,322
1856–1860	12,384	309	418	1904	3,892	57,683	33,456
1861–1865	10,716	28,811	38,674	1905	4,266	56,102	34,222
1866–1870	12,226	49,113	65,261	1906	4,565	56,518	38,256
1871–1875	8,826	121,083	156,270	1907	4,375	56,515	37,300
1876–1880	10,301	157,681	182,506	1908	4,574	52,441	28,051
1881–1885	7,730	182,841	202,807	1909	4,822	54,722	28,455
1886–1890	8,078	231,819	227,495	1910	4,657	57,138	30,856
1891–1895	9,107	287,057	227,960	1911	4,687	60,399	32,616
1896–1900	15,729	279,544	172,689	1912	4,521	63,767	39,198
1901–1905	19,304	278,708	159,543	1913	4,300	66,802	40,348
1906–1910	22,993	277,333	162,916	1914	4,573	72,455	40,068
1911–1915	22,968	338,384	189,626	1915	4,888	74,961	37,397
1916–1920	17,246	326,009	298,852	1916	4,479	74,415	48,953
1921–1925	12,194	313,757	258,862	1917	*4,051*	*71,740*	*59,078*
1886	1,687	39,694	39,482	1918	3,321	67,810	66,485
1887	1,603	41,722	40,887	1919	2,919	56,682	63,534
1888	1,604	45,793	43,045	1920	2,476	55,362	60,802
1889	1,595	50,095	46,838	1921	2,422	53,052	[1] 53,052
1890	1,589	54,516	57,242	1922	2,363	56,240	[1] 56,240
1891	1,605	58,330	57,630	1923	2,503	73,335	[1] 60,135
1892	1,597	63,500	55,663	1924	2,529	65,407	43,823
1893	1,739	60,000	46,800	1925	2,412	66,155	*45,912*
1894	1,911	49,500	31,422	1926	2,335	62,719	39,136
1895	2,255	55,727	36,446	1927	2,197	60,434	34,206
1896	2,568	58,835	39,655	1928	2,233	58,463	34,201
1897	2,775	53,860	32,316	1929 [2]	2,128	60,938	32,541
1898	3,118	54,438	32,118				
1899	3,437	54,765	32,359				
1900	3,830	57,647	35,741				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1929, [2] 1,000 dollars
	1910	1920	1925	1928	1929 [2]	1910	1920	1925	1928	1929 [2]	
Total	4,657	2,476	2,412	2,233	2,128	57,138	55,362	66,155	58,463	60,938	32,541
Alaska	787	413	301	331	377	154	822	766	487	459	245
Arizona	165	240	204	190	153	2,656	5,432	7,371	6,565	6,037	3,224
California	989	716	642	513	402	1,792	1,655	3,240	1,467	1,049	560
Colorado	993	363	357	259	216	8,523	5,107	4,435	4,384	4,359	2,328
Idaho	*50*	*23*	*20*	*20*	*20*	*7,027*	*7,365*	*7,663*	*8,950*	*9,394*	*5,016*
Michigan						262	512	136	19	18	10
Montana	180	92	84	60	55	12,283	13,263	12,597	10,681	12,650	6,755
Nevada	913	175	180	178	158	12,366	7,482	6,847	5,313	4,530	2,419
New Mexico	23	22	30	35	33	779	700	800	925	999	533
Oregon	33	50	19	12	17	44	102	35	32	36	19
South Dakota	260	210	288	318	309	121	88	98	92	84	45
Texas	[3]	[3]		1	1	364	523	555	1,395	1,053	562
Utah	209	103	181	211	243	10,446	11,755	21,241	17,749	19,908	10,631
Washington	39	7	11	16	4	205	178	166	104	45	24
Philippine Islands	7	62	92	89	139	2	22	49	37	88	47
Other	8	[3]	3	2	2	115	296	156	263	229	122

[1] For 1921, 1922, and first half of 1923 price is taken at the figure of $1 per ounce fixed by the Pittman Act.
[2] Preliminary estimate.
[3] Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 765.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin [1]	Bullion and foreign coin	Total			United States coin [1]	Bullion and foreign coin	Total		
1880	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881–1885	3,715	6,991	10,706	1,863	12,568	156	3,685	3,840	315	4,155
1886–1890	3,500	8,512	12,012	4,029	16,041	155	4,831	4,985	676	5,662
1891–1895	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896–1900	3,500	9,398	12,898	4,067	16,965	77	8,937	9,014	1,200	10,214
1901–1905	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906–1910	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,669	24,553
1911–1915	3,500	31,198	34,698	8,106	42,803	77	23,438	23,516	6,928	30,444
1916–1920	3,500	40,292	43,792	19,026	62,818	77	22,011	22,089	9,126	31,214
1921–1925	3,500	31,192	34,692	27,631	62,323	77	28,538	28,615	8,189	36,805
1920	3,500	50,510	54,010	28,205	82,215	77	19,208	19,280	8,694	27,975
1921	3,500	19,550	23,050	27,624	50,674	77	28,706	28,844	7,024	35,868
1922	3,500	32,822	36,322	23,484	59,806	77	31,209	31,287	6,624	37,910
1923	3,500	36,513	40,013	29,279	69,292	77	28,278	28,355	8,470	36,825
1924	3,500	34,413	37,913	27,975	65,888	77	24,537	24,664	8,931	33,595
1925	3,500	32,662	36,162	29,792	65,954	77	28,852	29,929	9,897	39,827
1926	3,500	39,768	43,268	31,065	74,334	77	29,330	29,408	10,001	39,408
1927	3,500	29,357	32,857	26,461	59,319	77	28,416	28,493	10,155	38,649
1928	3,500	28,070	31,570	27,511	59,081	77	24,854	24,931	10,616	35,548

[1] Estimated.

No. 766.—SILVER: PRICE, AND VALUE OF SILVER IN THE DOLLAR

NOTE.—The London price is converted to the basis of the ounce 1,000 fine and converted to American money throughout at par of exchange, notwithstanding the fact that from 1918 to 1924, inclusive, the pound sterling was depreciated as compared to the dollar. During this period of depreciation the commercial ratio and the value of the silver (37¼ grains) in the dollar are computed on the basis of the New York average price; for other years they are computed on the basis of the London quotations, which were at all times close to the New York quotations

Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar	Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar
		Average	High	Low					Average	High	Low		
1835	1.308				15.80		1901	0.596	0.597	0.645	0.548	34.68	0.461
1840	1.323				15.62	1.023	1902	.528	.528	.569	.474	39.15	.408
1845	1.298				15.92	1.004	1903	.543	.542	.624	.475	38.10	.420
1850	1.316				15.70	1.018	1904	.579	.578	.625	.534	35.70	.448
1855	1.344				15.38	1.039	1905	.610	.610	.665	.556	33.87	.472
1860	1.352				15.29	1.045	1906	.677	.674	.724	.631	30.64	.524
1865	1.338				15.44	1.035	1907	.662	.660	.710	.528	31.24	.512
1870	1.328				15.57	1.027	1908	.535	.535	.589	.483	38.64	.414
1875	1.242	1.239	1.261	1.210	16.64	.961	1909	.520	.522	.545	.508	39.74	.402
1880	1.145	1.139	1.159	1.113	18.05	.886	1910	.541	.542	.576	.508	38.22	.418
1883	1.109	1.087	1.118	1.095	18.64	.858	1911	.539	.540	.575	.521	38.33	.417
1884	1.111	1.112	1.133	1.080	18.61	.859	1912	.615	.620	.656	.553	33.62	.475
1885	1.065	1.064	1.095	1.028	19.41	.824	1913	.605	.612	.651	.580	34.19	.468
1886	.995	.999	1.035	.925	20.78	.769	1914	.553	.563	.609	.490	37.37	.428
1887	.979	.979	1.035	.950	21.10	.758	1915	.519	.511	.580	.478	39.84	.401
1888	.940	.943	.978	.920	22.00	.727	1916	.686	.672	.791	.573	30.11	.531
1889	.935	.936	.973	.925	22.10	.723	1917	.895	.840	1.165	.731	23.09	.692
1890	1.046	1.053	1.205	.958	19.75	.809	1918	1.042	.984	1.025	.894	21.00	.761
1891	.988	.990	1.075	.948	20.92	.764	1919	1.250	1.121	1.388	1.018	18.44	.867
1892	.871	.876	.953	.830	23.72	.674	1920	1.346	1.019	1.368	.808	20.27	.788
1893	.780	.782	.850	.650	26.49	.604	1921	.805	.631	.738	.532	32.75	.488
1894	.635	.640	.700	.595	32.56	.491	1922	.754	.679	.742	.629	30.43	.525
1895	.654	.663	.690	.600	31.60	.506	1923	.700	.662	.690	.629	31.69	.505
1896	.676	.682	.703	.656	30.59	.523	1924	.745	.671	.724	.630	30.80	.519
1897	.604	.608	.661	.528	34.20	.457	1925	.703	.694	.782	.668	29.38	.537
1898	.590	.591	.623	.551	35.03	.456	1926	.629	.624	.689	.518	32.88	.483
1899	.602	.605	.648	.586	34.36	.465	1927	.571	.567	.603	.542	36.22	.438
1900	.620	.621	.658	.598	33.33	.480	1928	.586	.585	.639	.568	35.26	.452

Source: Tables 765 and 766: Annual Reports of the Director of the Mint, Treasury Department.

No. 767.—COAL PRODUCTION: QUANTITY AND VALUE

NOTE.—Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only; those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	Anthracite	Bituminous		Total	Anthracite	Bituminous	Anthracite	Bituminous
1821–1830	140	66	75	1908	415,843	33,269	382,574	158,179	374,135
1831–1840	1,032	722	310	1909	460,815	81,070	379,744	149,182	406,487
1841–1850	4,535	2,697	1,837	1910	501,596	84,485	417,111	160,275	469,282
1851–1860	12,513	7,645	4,868	1911	496,371	90,464	405,907	175,189	451,376
1861–1865	20,538	11,142	9,396	1912	534,467	84,362	450,105	177,623	517,988
1866–1870	31,706	16,281	15,425	1913	569,960	91,525	478,435	195,181	565,235
1871–1875	52,179	23,407	28,773	1914	513,525	90,822	422,704	188,181	493,309
1876–1880	62,261	25,800	36,461	1915	531,019	88,995	442,624	184,653	502,088
1881–1885	107,291	36,198	71,093	1916	590,098	87,578	502,520	202,010	665,116
1886–1890	138,398	43,952	94,446	1917	651,402	99,612	551,791	283,651	1,249,273
1891–1895	178,822	53,405	125,416	1918	678,212	98,826	579,386	336,480	1,491,840
1896–1900	227,123	55,625	171,498	1919[1]	553,952	88,092	465,860	364,927	1,160,616
1901–1905	339,357	66,854	272,503	1920	658,265	89,598	568,667	434,252	2,129,933
1906–1910	454,555	81,142	373,413	1921[1]	506,395	90,473	415,922	452,305	1,199,984
1911–1915	529,189	89,233	439,955	1922	476,951	54,683	422,268	273,700	1,274,820
1916–1920	626,386	92,741	533,645	1923	657,904	93,339	564,565	506,787	1,614,621
1921–1925	558,947	77,048	481,299	1924[1]	571,613	87,927	483,687	477,231	1,062,626
1903	357,356	74,607	282,749	1925[1]	581,870	61,817	520,053	327,665	1,060,402
1904	351,816	73,157	278,660	1926[1]	657,804	84,437	573,367	474,164	1,183,412
1905	392,723	77,660	315,063	1927[1]	597,859	80,096	517,763	420,942	1,029,657
1906	414,157	71,282	342,875	1928[1]	576,093	75,348	500,745	393,038	933,774
1907	480,863	85,604	394,759	1929[2]	608,992	76,640	532,352	393,500	990,175

State	1890	1900	1911–1915	1916–1920	1921–1925	1926[1]	1927[1]	1928[1]	1929[2]
Total quantity	157,771	269,684	529,189	626,386	558,947	657,804	597,859	576,093	608,992
Anthracite (Pa.)	46,469	57,368	89,233	92,741	77,048	84,837	80,096	75,348	76,640
Bituminous	111,302	212,316	439,956	533,645	481,299	573,367	517,763	500,745	532,352
Alabama	4,090	8,394	15,864	17,834	18,097	21,001	19,766	17,621	17,690
Arkansas	400	1,448	1,986	1,980	1,261	1,459	1,519	1,661	1,860
Colorado	3,077	5,244	9,433	11,595	10,049	10,637	9,724	9,348	9,890
Illinois	15,202	25,768	58,320	78,265	68,523	69,367	46,848	55,948	60,035
Indiana	3,306	6,484	16,060	25,515	21,677	23,186	17,936	16,379	17,970
Iowa	4,022	5,203	7,442	7,571	4,952	4,625	2,950	3,634	4,180
Kansas	2,260	4,468	6,811	6,556	3,827	4,416	3,444	2,810	3,040
Kentucky	2,701	5,329	18,380	30,108	49,743	62,924	69,124	61,860	60,575
Maryland	3,358	4,025	4,549	4,158	2,033	3,078	2,815	2,687	2,660
Michigan	75	949	1,271	1,301	976	687	757	617	770
Missouri	2,735	3,540	4,048	5,086	3,011	3,008	3,064	3,733	3,860
Montana	517	1,662	2,972	4,608	2,881	2,798	3,144	3,324	3,183
New Mexico	376	1,299	3,618	3,728	2,772	2,818	2,936	2,712	2,640
North Dakota	30	130	506	787	1,221	1,370	1,523	1,650	1,960
Ohio	11,495	18,988	28,563	40,609	31,590	27,872	15,800	15,641	25,712
Oklahoma	860	1,922	3,720	4,292	2,741	2,843	3,818	3,501	3,464
Pennsylvania	42,302	79,842	157,229	168,532	133,721	153,042	132,965	131,202	142,400
Tennessee	2,170	3,510	6,288	6,208	5,078	5,789	5,783	5,611	5,750
Texas	184	968	2,201	1,980	1,084	1,091	1,326	1,182	1,060
Utah	318	1,147	2,999	4,093	4,593	4,374	4,781	4,843	5,250
Virginia	784	2,394	7,924	10,158	10,648	14,133	12,916	11,901	13,138
Washington	1,264	2,474	3,261	3,576	2,626	2,587	2,635	2,520	2,530
West Virginia	7,395	22,047	69,353	80,369	97,044	143,509	145,122	132,952	138,015
Wyoming	1,870	4,015	6,907	8,555	6,812	6,512	6,764	6,572	6,600
Miscellaneous	412	565	259	190	239	239	279	286	170

[1] Exclusive of product of wagon mines. [2] Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 768.—COAL: Exports, Imports, and Bunker Coal Laden on Vessels in Foreign Trade

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Yearly average or year	Total exports[1]		Anthracite exports		Bituminous exports[1]		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895[2]	3,028	10,012	1,128	4,029	1,900	5,081	1,237	3,984	-------	-------
1896–1900[2]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	-------	-------
1901–1905[2]	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	-------	-------
1906[2]	9,126	28,216	1,970	9,722	7,156	18,494	1,857	4,481	[3] 5,110	[3] 16,111
1907[2]	11,294	34,728	2,482	12,155	8,812	22,573	1,713	4,263	[3] 4,460	[3] 14,179
1908[2]	12,723	39,356	2,838	13,837	9,885	25,518	2,006	5,231	[3] 5,887	[3] 19,079
1909[2]	11,889	37,317	2,870	14,275	9,019	23,041	1,232	3,510	6,004	19,672
1910	13,806	41,471	3,022	14,785	10,784	26,685	1,992	5,381	[2] 6,336	[2] 20,350
1911	17,433	52,593	3,554	18,003	13,879	34,500	1,241	3,623	[2] 6,507	[2] 20,974
1912	18,149	56.243	3,689	19,425	14,460	36,818	1,610	4,518	[2] 7,092	[2] 22,804
1913	22,141	67,410	4,154	21,960	17,987	45,450	1,415	3,803	[2] 7,350	[2] 23,690
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	[2] 7,812	[2] 25,571
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,418	[2] 7,063	[2] 23,684
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,402
1917	26,649	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,883	31,845
1918	24,302	107,881	4,436	29,216	19,956	78,665	1,334	6,898	5,532	29,868
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,638	34,390	304,273	1,140	6,992	9,352	82,462
1921	24,829	168,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,250	4,120	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	879	5,846	4,344	23,398
1926	35,091	196,905	3,596	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	597	3,284	4,076	22,077
1928	17,411	92,121	2,979	32,657	14,433	59,464	831	4,939	3,834	20,258
1929	18,603	98,310	3,041	32,569	15,562	65,742	877	5,486	3,827	19,575

[1] Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.
[2] Fiscal years ended June 30. [3] Figures do not include coal laden on vessels on the Great Lakes.

No. 769.—COAL: Shipments, Average Value per Ton, and Men Employed

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Calculated capacity, at 280 days (million tons[1])
	Loaded for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year		
ANTHRACITE											
1890	41,011	2,001	3,457	-------	$1.43	126,000	200	1.85	369	[2]	[2]
1895	52,093	1,315	4,591	-------	1.41	142,917	196	2.07	406	[2]	[2]
1900	59,710	1,208	5,550	-------	1.49	144,206	166	2.40	398	[2]	[2]
1905	69,053	1,571	7,036	-------	1.83	165,406	215	2.18	470	[2]	[2]
1910	73,623	2,021	8,841	-------	1.90	169,497	229	2.17	498	[2]	[2]
1915	76,906	2,092	9,997	-------	2.07	176,552	230	2.19	504	1.5	[2]
1920	76,844	2,897	9,858	-------	4.85	145,074	271	2.28	618	1.1	[2]
1924	77,247	3,044	7,635	-------	5.43	160,009	274	2.00	550	1.7	[2]
1925	53,768	2,885	5,164	-------	5.30	160,312	182	2.12	386	1.6	[2]
1926	75,319	2,687	6,431	-------	5.62	165,386	244	2.09	511	1.1	[2]
1927	70,495	3,047	6,554	-------	5.26	165,259	225	2.15	485	1.5	[2]
1928	66,488	3,185	5,676	-------	5.22	160,681	217	2.17	469	1.8	[2]
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[3] 5.3	137
1895	106,287	8,340	2,086	18,404	.86	230,962	194	2.90	563	[4] 11.9	196
1900	173,072	7,868	3,740	27,635	1.04	304,375	234	2.98	697	24.9	255
1905	255,201	10,639	7,007	42,412	1.06	460,629	211	3.24	684	32.8	417
1910	342,909	12,287	9,008	62,187	1.12	565,533	217	3.46	751	41.7	538
1915	379,877	12,354	9,799	40,595	1.13	537,456	203	3.01	704	55.0	610
1920	504,873	21,280	11,806	30,608	3.75	639,547	220	4.00	881	59.8	725
1924	441,566	21,111	6,618	14,392	2.20	619,604	171	4.56	780	69.5	792
1925	477,173	21,351	5,776	15,753	2.04	588,493	195	4.52	884	70.6	748
1926	526,286	23,602	5,728	17,751	2.06	593,647	215	4.50	966	71.7	747
1927	480,228	21,890	4,930	10,720	1.99	593,918	191	4.55	872	72.2	759
1928	467,348	21,990	4,602	6,805	1.80	522,150	203	4.73	959	73.8	691

[1] Of 2,000 pounds. [2] Not available. [3] 1891. [4] 1896.

Sources: Table 768, Bureau of Foreign and Domestic Commerce; Table 769, Bureau of Mines, Department of Commerce.

No. 770.—CONSUMPTION OF BITUMINOUS COAL: BY THE PRINCIPAL CLASSES OF CONSUMERS IN THE UNITED STATES, 1889–1927

NOTE.—Data are partly estimated and subject to revision; complete data for 1928 are not yet available

	1889	1899	1904	1909	1914	1919	1923	1927	1928
Consumption (million net tons),[1] total	95.8	190.3	278.2	370.3	408.3	481.6	519.0	499.8	------
(a) Colliery fuel	1.4	3.1	6.3	9.5	10.4	11.1	8.8	4.9	4.6
(b) Local sales at mines, not shipped [2]	6.4	7.8	9.6	12.0	13.0	18.1	22.1	21.9	22.0
(c) Locomotive fuel, all steam roads	26.5	53.4	81.0	106.0	117.0	124.7	137.0	121.0	116.4
(d) Bunkers, vessels in foreign trade	1.9	3.8	5.5	6.8	8.2	8.2	5.0	4.6	4.3
(e) Coke ovens, beehive and by-product	16.0	30.2	36.5	59.4	51.6	65.6	84.4	74.4	77.2
(f) Iron and steel works (gas coal and steam coal)[3]	5.1	11.8	13.8	20.9	22.2	28.2	30.2	25.3	------
(g) Coal and water gas plants [4]	1.9	2.3	3.5	3.8	4.4	4.4	4.9	5.3	------
(h) Electric public utilities [5]	------	7.6	13.5	18.7	24.6	32.0	35.5	39.8	41.4
(i) General manufacturing industries [6]	36.6	70.3	103.5	78.5	88.3	104.8	107.2	104.2	------
(j) Domestic and all other [7]				54.7	69.1	84.5	83.9	98.4	------
Per cent of total consumption	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	------
(a) Colliery fuel	1.5	1.6	2.3	2.6	2.6	2.3	1.7	1.0	------
(b) Local sales at mines, not shipped	6.7	4.1	3.5	3.2	3.2	3.8	4.3	4.4	------
(c) Locomotive fuel, all steam roads	27.7	28.1	29.7	28.6	28.6	25.9	26.4	24.2	------
(d) Bunkers, vessels in foreign trade	2.0	2.0	2.0	1.9	2.0	1.7	1.0	.9	------
(e) Coke ovens, beehive and by-product	16.7	15.9	13.4	16.0	12.6	13.6	16.3	14.9	------
(f) Iron and steel works (gas coal and steam coal)	5.3	6.2	5.0	5.7	5.4	5.8	5.8	5.1	------
(g) Coal and water gas plants	2.1	1.2	1.3	1.0	1.1	.9	.9	1.1	------
(h) Electric public utilities	------	4.0	4.9	5.0	6.0	6.7	6.8	7.9	------
(i) General manufacturing industries	38.0	36.9	37.9	21.2	21.6	21.8	20.6	20.8	------
(j) Domestic and all other				14.8	16.9	17.5	16.2	19.7	------

[1] Of 2,000 pounds.
[2] Item (b) includes coal used by mine employees and sold for domestic purposes in the vicinity of the mine. It also includes an unknown amount taken by locomotive tenders at the tipple or sold to a near-by factory or power plant. It therefore involves an unknown amount of overlapping with items (c), (h), and (i). Double counting in the total is avoided by an adjustment in item (j), which is obtained by subtracting the sum of all other items from the known total.
[3] Figures include all coal used except that charged in coke ovens.
[4] Includes coal for gas making only. Excludes coal charged in by-product coke ovens operated by city gas companies, which is included under item (e).
[5] Includes electric central stations and street railways. Data not available for 1889.
[6] Excludes coal consumed in coke ovens, iron and steel works, and for gas making at coal and water-gas plants; includes consumption of railroad-car shops.
[7] Includes heating of large buildings other than factories, and also some nondomestic uses not covered elsewhere. Obtained by subtraction; see item (b) and note 2. Because of this it is affected by any errors in the other items, and there is evidence that the figure for 1919 (84.5 million tons) is too high and the figure for 1923 (83.9 million tons) too low.

Source: Bureau of Mines, Department of Commerce (data were assembled from various original sources).

No. 771.—COAL: AVERAGE AND RELATIVE RETAIL PRICES[1] IN TON LOTS

Year	Anthracite—Chestnut				Anthracite—Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
1913[2]	*Dollars* 7.91		100		*Dollars* 7.73		100		*Dollars* 5.43		100	
	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1917	9.40	9.16	119	116	9.29	9.08	120	118	6.96	7.21	128	133
1918	10.03	10.07	127	127	9.88	9.96	128	129	7.68	7.92	141	146
1919	11.61	12.17	147	154	11.51	12.14	149	157	7.90	8.10	145	149
1920	12.77	14.33	161	181	12.59	14.28	163	185	8.81	10.55	162	194
1921	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923	15.46	15.05	195	190	15.43	15.10	200	196	11.18	10.04	206	185
1924	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.61	170	159
1926	[3]	15.19	[3]	192	[3]	15.43	[3]	200	9.74	8.70	179	160
1927	15.42	14.81	195	187	15.66	15.15	203	196	9.96	8.91	183	164
1928	15.08	14.63	191	185	15.44	14.91	200	193	9.30	8.69	171	160
1929	15.06	14.63	190	185	15.38	14.94	199	193	9.09	8.62	167	159
1930	15.00	------	190	------	15.33	------	198	------	9.11	------	168	------

[1] Prices represent combined averages for cities shown in Table 772.
[2] Average of prices for January and July, 1913. This is used as a base in working relative prices.
[3] Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

No. 772.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite,[1] chestnut					Bituminous					
	1925	1927	1928	1929	1930	1925	1926	1927	1928	1929	1930
Atlanta, Ga.						7.32	8.47	8.07	7.93	7.97	7.80
Baltimore, Md.	[2]15.75	[2]15.50	[2]15.25	[2]15.50	15.75	7.38	8.00	8.32	8.07	8.00	7.89
Birmingham, Ala.						7.79	7.62	8.09	7.73	7.66	7.65
Boston, Mass.	16.00	16.25	16.00	16.00	15.50						
Bridgeport, Conn.	15.38	16.00	14.88	15.00	15.50						
Buffalo, N. Y.	13.56	13.37	13.61	13.53	13.32						
Butte, Mont.						11.05	11.04	11.02	10.89	10.93	11.15
Charleston, S. C.	[2]17.10					11.00	11.00	11.00	11.00	9.67	9.67
Chicago, Ill.	16.70	16.80	16.46	16.45	16.40	8.51	9.48	9.85	9.21	[3]8.20	[3]8.53
Cincinnati, Ohio						7.21	7.77	7.89	7.08	[3]5.54	[3]6.30
Cleveland, Ohio	14.88	15.05	14.80	14.97	14.85	8.37	9.47	9.73	9.00	[3]7.43	[3]7.15
Columbus, Ohio						6.68	7.69	7.75	7.21	[3]6.09	[3]6.07
Dallas, Tex.	[4]17.75	[4]16.00	[4]15.75	[4]15.50	[4]15.50	14.22	13.83	13.22	12.70	13.17	12.92
Denver, Colo.	[5]16.33	[5]16.00	[5]16.00	[5]16.00	[5]14.75	9.47	10.68	10.73	10.50	10.52	10.45
Detroit, Mich.	15.38	15.75	15.50	15.50	15.50	8.93	10.59	10.34	9.31	[3]8.33	[3]8.39
Fall River, Mass.	15.83	16.25	16.25	16.25	16.25						
Houston, Tex.						12.38	12.75	13.50	12.80	13.20	13.60
Indianapolis, Ind.	16.50					7.15	7.53	7.67	7.27	[3]6.28	[3]6.01
Jacksonville, Fla.						12.00	14.00	14.00	14.00	12.00	14.00
Kansas City, Mo.	[4]15.17	[4]14.50	[4]14.10	[4]12.60	[4]12.55	8.13	7.98	7.81	7.50	7.33	7.18
Little Rock, Ark.	[4]15.00	[4]14.00	[4]13.50	[4]13.50	[4]13.50	11.00	11.27	10.80	10.60	10.25	9.95
Los Angeles, Calif.						16.31	15.94	16.50	16.50	16.25	16.50
Louisville, Ky.						7.37	7.43	8.42	7.46	[3]7.16	[3]7.01
Manchester, N. H.	17.00	17.50	17.25	17.00	17.00						
Memphis, Tenn.						8.11	7.84	8.80	8.33	7.37	7.85
Milwaukee, Wis.	16.65	16.65	16.20	15.90	15.85	9.69	11.42	11.32	9.48	[3]7.80	[3]7.08
Minneapolis, Minn.	17.95	17.75	17.70	17.90	17.85	10.92	11.35	11.75	11.72	[3]10.90	[3]10.56
Mobile, Ala.						10.02	9.62	10.12	9.54	9.57	9.63
Newark, N. J.	13.43	13.50	13.50	13.50	13.46						
New Haven, Conn.	15.20	15.40	15.10	14.90	15.17						
New Orleans, La.						11.19	11.14	11.29	11.29	11.20	10.96
New York, N. Y.	14.33	14.50	14.42	14.33	14.13						
Norfolk, Va.	15.50	16.00	15.00	15.00	14.00	9.27	10.52	9.98	9.05	[3]7.88	[3]7.25
Omaha, Nebr.						10.04	10.33	10.19	10.25	9.50	9.69
Peoria, Ill.						6.79	7.11	7.29	7.10	6.90	6.75
Philadelphia, Pa.	[2]15.32	[2]15.54	[2]14.43	[2]14.11	[2]14.50						
Pittsburgh, Pa.	16.50	15.88	14.88	15.00	15.00	6.83	6.13	6.24	5.05	5.25	5.29
Portland, Me.	16.56	16.80	16.80	16.80	16.80						
Portland, Oreg.						13.64	13.24	13.34	13.32	13.07	13.40
Providence, R. I.	[6]16.00	[6]16.50	[6]16.00	[6]16.00	[6]16.00						
Richmond, Va.	15.50	16.50	15.50	15.00	15.00	8.83	11.39	11.66	9.70	[3]8.38	[3]8.38
Rochester, N. Y.	14.15	14.15	14.15	14.25	14.25						
St. Louis, Mo.	16.88	17.20	16.45	16.45	16.40	6.69	6.62	7.50	7.02	6.40	6.69
St. Paul, Minn.	17.95	17.75	17.70	17.90	17.85	11.57	11.66	12.16	11.98	[3]10.68	[3]10.27
Salt Lake City, Utah	[6]18.50	[6]18.00	[6]18.00	[6]18.00	[6]18.00	8.40	8.43	8.47	8.34	7.86	8.43
San Francisco, Calif.	[7]26.50	[7]26.50	[7]20.50	[7]26.00	[7]26.00	17.28	17.06	17.11	17.25	16.75	16.98
Savannah, Ga.	[8]17.00					[8]11.50	[8]12.75	[8]13.25	[8]11.13	[8]10.53	[8]10.24
Scranton, Pa.	10.62	10.67	10.50	10.33	9.92						
Seattle, Wash.						10.21	9.96	10.47	10.18	10.48	10.68
Springfield, Ill.						4.25	4.38	4.38	4.44	4.24	4.34
Washington, D. C.	[2]15.67	[2]15.54	[2]15.01	[2]15.13	[2]15.23	[2,3]8.88	[2,3]9.88	[2,3]9.75	[2,3]8.75	[2,3]8.75	[2,3]8.63

[1] The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes. Data for 1926 are omitted as being insufficient.
[2] Per ton of 2,240 pounds.
[3] Prepared sizes, high volatile.
[4] Arkansas anthracite, egg or furnace.
[5] Colorado anthracite, furnace, 1 and 2 mixed.
[6] 50 cents per ton additional is charged for binning.
[7] New Mexico anthracite.
[8] All coal sold is weighed by the city; charge of 10 cents per ton or half-ton is included in the price.

Source: Bureau of Labor Statistics, Department of Labor.

No. 773.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1907[1]	32,540	462,392	14	1918	79,395	508,526	6
1908[1]	145,145	5,449,938	38	1919	453,418	15,761,410	35
1909	24,763	723,634	29	1920	282,419	5,914,473	21
1910	218,493	19,250,524	88	1921	151,263	3,106,103	21
1911	41,413	983,737	24	1922	603,031	73,497,043	122
1912	311,056	12,527,305	40	1923	197,214	3,868,548	20
1913	135,395	3,049,412	23	1924	129,452	5,362,748	41
1914	151,720	11,013,667	68	1925	186,369	16,433,036	88
1915	67,190	2,467,431	37	1926	174,724	6,707,778	38
1916	170,633	3,344,586	20	1927[2]	193,322	26,675,109	138
1917	160,240	2,348,399	15	1928	86,870	4,605,086	53

State	1925		1926		1927		1928	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total	**186,369**	**16,433,036**	**174,724**	**6,707,778**	**193,322**	**26,675,109**	**86,870**	**4,605,086**
Anthracite (Pa.)	**147,928**	**15,369,506**	**145,376**	**5,990,477**	**20,478**	**159,242**	**36,128**	**400,682**
Total bituminous	**38,441**	**1,163,530**	**29,348**	**717,301**	**172,844**	**26,515,867**	**50,742**	**4,204,404**
Arkansas	560	41,928	205	1,635	389	41,810		
Colorado	595	6,943			5,429	267,210	1,594	57,184
Illinois	4,870	25,180	987	12,609	66,992	10,018,566	21,815	1,403,409
Indiana	7,919	96,963	10,450	179,375	17,303	2,345,279	3,216	91,842
Iowa	1,267	3,740	932	19,510	5,624	815,764	1,986	68,023
Kansas	530	8,080	118	1,560	3,014	390,711	1,525	168,766
Kentucky	1,954	162,534	688	3,170	1,824	24,756	1,130	14,124
Maryland			603	13,289				
Michigan	725	5,575	225	225	470	1,510	430	6,320
Missouri	110	1,287	64	760	2,662	336,972	941	67,585
Montana			225	450			1,219	9,178
Ohio	6,572	170,208	6,857	85,118	26,250	5,605,443	9,222	1,576,960
Oklahoma	352	16,773	20	20	163	25,428		
Pennsylvania[1]	7,414	234,389	4,922	272,918	41,692	6,591,870	5,999	658,111
Tennessee	250	2,350	300	300	50	3,000	265	795
Texas	87	261						
Utah	280	10,920						
Washington								
West Virginia	4,956	376,399	2,692	126,242	982	47,548	210	18,650
Other States			60	120			1,190	3,057

[1] Bituminous mines only.
[2] Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.

Source: Bureau of Mines, Department of Commerce.

No. 774.—COKE: Production, Exports, and Imports

Yearly average or year	Production in thousands of short tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports[1]
	Total	Beehive ovens	By-product ovens			Thousand of short tons (2,000 pounds)	
1896–1900	16,265	15,741	524	3.2	30,293	265	54
1901–1905	25,673	23,566	2,107	8.2	58,581	519	150
1906–1910	36,848	31,296	5,552	15.1	91,068	904	159
1911–1915	40,394	29,000	11,394	28.2	108,739	397	98
1916–1920	52,429	27,738	24,696	47.1	320,799	1,182	34
1921–1925	42,985	11,026	31,959	74.4	251,967	734	99
1914	34,556	23,336	11,220	32.5	88,334	664	133
1915	41,581	27,508	14,073	33.8	105,504	896	53
1916	54,534	35,464	19,069	35.0	170,841	1,175	55
1917	55,607	33,168	22,439	40.4	293,243	1,409	25
1918	56,478	30,481	25,998	46.0	382,324	1,688	30
1919	44,181	19,043	25,138	56.9	258,340	717	18
1920	51,345	20,511	30,834	60.0	475,981	920	41
1921	25,288	5,538	19,750	78.1	147,673	307	31
1922	37,124	8,573	28,551	76.9	238,313	512	94
1923	56,978	19,380	37,598	66.0	373,497	1,237	85
1924	44,270	10,286	33,984	76.8	244,042	660	83
1925	51,267	11,355	39,912	77.9	262,559	954	202
1926	56,866	12,489	44,377	78.0	307,773	987	285
1927	51,092	7,207	43,885	85.9	262,321	807	109
1928	52,806	4,493	48,313	91.5	252,534	1,098	148
1929	59,884	6,472	53,412	89.2	278,995	1,238	120

[1] Imports entered for consumption, prior to 1925.

Source: Bureau of Mines, Department of Commerce.

No. 775.—COKE: By-Product and Beehive Production, by States

[Figures in thousands of short tons (2,000 pounds)]

	1915	1920	1922	1923	1924	1925	1927	1928	1929[1]
BY-PRODUCT									
Total	14,073	30,834	28,551	37,598	33,964	39,912	43,885	48,313	53,476
Alabama	2,070	3,124	3,494	4,385	4,386	4,582	4,364	4,327	4,739
Colorado		517	365	448	523	490	594	606	570
Illinois	1,697	2,137	1,983	3,187	2,355	3,012	3,014	3,241	4,179
Indiana	2,768	4,554	3,996	5,043	4,272	5,142	5,550	6,094	6,393
Maryland	313	682	590	862	810	1,019	1,077	1,186	1,393
Massachusetts	504	488	407	554	398	535	744	687	839
Michigan	(2)	1,393	1,142	1,649	1,771	1,751	1,920	2,400	2,710
Minnesota	128	675	462	696	515	518	633	623	747
New Jersey	269	726	791	898	869	904	906	903	993
New York	684	1,040	1,495	1,784	1,601	2,220	3,603	3,803	4,202
Ohio	666	5,615	4,912	6,324	5,723	7,105	7,214	7,786	8,480
Pennsylvania	3,092	7,730	7,152	9,186	8,426	9,853	11,061	13,475	14,655
West Virginia	141	447	502	941	999	1,056	1,395	1,368	1,423
All other States	1,749	1,706	1,261	1,642	1,335	1,725	1,808	1,814	2,223
BEEHIVE									
Total	27,508	20,511	8,573	19,360	10,286	11,355	7,207	4,493	6,015
Pennsylvania	22,531	15,908	6,840	16,439	8,501	9,574	5,716	3,442	5,439
Ohio	19	87	99	150	110	156	(2)	(2)	
West Virginia	1,250	1,381	418	522	330	490	527	431	
Alabama	1,001	890	306	269	155	88			
Kentucky	285	273	31	126	79	(2)	(2)	(2)	
Tennessee	234	163	86	180	132	128	105	104	383
Virginia	630	1,028	379	775	485	422	317	248	
Colorado	671	273	119	200	212	155	194	144	193
Utah	(2)	(2)	172	233	160	146	85	28	
All other States	887	509	123	188	123	196	263	46	

[1] Figures are preliminary.

[2] Included under "all other States."

Source: Bureau of Mines, Department of Commerce.

No. 776.—MANUFACTURED-GAS INDUSTRY: MATERIALS USED AND PRODUCTS

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishment, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Materials used, total cost					76,779	178,423	211,786
Coal for gas making	Short ton [1]	6,117			20,873		
Anthracite	Long ton [2]		619	113			
Bituminous	Short ton [1]		6,871	8,102			
Oil for gas making	Gallon	715,419	212,211	230,729	24,721		
Oil for carbureting	do		679,378	683,048			
Gas purchased	M. cu. ft.	26,351	64,569	96,618	8,883		
Products, total value					220,238	455,460	516,705
Commercial plants					218,481	448,218	509,277
Municipal plants					1,757	7,242	7,428
Gas for sale, total	M. cu. ft.	203,839	359,402	412,236	175,086	395,969	446,245
Coal gas	do	10,510	7,411	(3)	10,727	12,481	(3)
Carbureted water gas	do	90,018	112,186	(3)	74,517	136,624	(3)
Mixed coal and water gas	do	86,281	210,743	(3)	72,012	213,913	(3)
Oil gas	do	16,512	24,289	(3)	15,044	29,040	(3)
Other gas	do	318	4,774	(3)	2,766	3,904	(3)
Coke for sale	Short ton [1]	2,282	2,308	2,977	8,720	20,721	25,514
Tar for sale:							
Coal gas	Gallon	125,939	63,803	78,691	3,253	3,547	4,449
Water gas and oil gas	do		61,471	83,479		2,594	3,768
All other products					33,199	32,031	36,729

[1] 2,000 pounds. [2] 2,240 pounds. [3] Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

No. 777.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY

[In millions of cubic feet]

Year	Gas sold	Year	Gas sold	Year	Total gas produced and purchased	Produced	Purchased		Gas sold
							Coke-oven gas	Natural gas	
1904	113,930	1913	188,286	1921	360,392	295,162	37,393	27,837	326,950
1905	112,444	1914	198,839	1922	389,000	300,682	52,383	35,435	350,000
1906	122,850	1915	204,310	1923	418,000	313,718	65,872	38,410	384,722
1907	132,012	1916	231,381	1924	441,381	324,765	63,350	53,266	405,206
1908	138,570	1917	264,493	1925	457,100	324,400	76,600	56,100	421,406
1909	143,118	1918	271,593	1926	492,042	353,886	83,640	54,516	455,631
1910	149,431	1919	300,000	1927	508,322	354,456	91,270	62,597	471,000
1911	159,101	1920	319,888	1928	537,164	362,860	96,931	77,373	494,800
1912	178,229			1929[1]	586,600	348,300	125,500	112,800	535,000

[1] Preliminary.

Source: American Gas Association.

No. 778.—AVERAGE NET PRICE OF MANUFACTURED GAS

NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 779

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913	$0.95	100	Apr. 15, 1919	$1.04	110	Dec. 15, 1924	$1.24	131
Apr. 15, 1914	.94	99	Apr. 15, 1920	1.09	115	Dec. 15, 1925	1.23	130
Apr. 15, 1915	.93	98	May 15, 1921	1.32	139	Dec. 15, 1926	1.22	128
Apr. 15, 1916	.92	97	Mar. 15, 1922	1.29	136	Dec. 15, 1927	1.22	128
Apr. 15, 1917	.91	96	Mar. 15, 1923	1.25	132	Dec. 15, 1928	1.22	128
Apr. 15, 1918	.95	100	Mar. 15, 1924	1.24	131	Dec. 15, 1929	1.21	127

Source: Bureau of Labor Statistics, Department of Labor.

No. 779.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

NOTE.—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation families using less than 3,000 cubic feet per month pay a somewhat higher rate than shown, while those consuming more than this amount pay a lower rate. The figures represent quite closely the actual monthly cost of gas per 1,000 cubic feet to the average wage-earner's family. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month

City	Apr. 15, 1913	Apr. 15, 1915	Apr. 15, 1917	Apr. 15, 1918	Apr. 15, 1919	Apr. 15, 1920	May 15, 1921	June 15, 1922	June 15, 1923	June 15, 1924	June 15, 1925	June 15, 1926	June 15, 1927	June 15, 1928	June 15, 1929	Dec. 15 1929
MANUFACTURED GAS																
Atlanta	$1.00	$1.00	$1.00	$1.00	$1.15	$1.15	$1.90	$1.65	$1.65	$1.55	$1.55	$1.55	$1.55	$1.55	$1.43	$1.43
Baltimore	.90	.80	.75	.75	.75	.75	.75	.92	.92	.85	.85	.85	.85	.85	.85	.85
Birmingham	1.00	.95	.95	.95	.95	.95	.88	.88	.80	.80	.80	.80	.80	.80	.80	.80
Boston	.81	.80	.80	.80	1.05	1.08	1.40	1.32	1.25	1.20	1.18	1.18	1.18	1.18	1.18	1.16
Bridgeport	1.00	1.00	1.00	1.00	1.10	1.10	1.47	1.50	1.50	1.45	1.45	1.45	1.45	1.45	-----	-----
Butte	1.49	1.49	1.49	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Charleston, S. C.	1.10	1.10	1.00	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Chicago	.80	.80	.80	.72	.90	.87	1.20	1.07	1.07	1.02	1.02	1.02	1.02	.98	.98	.98
Cleveland	.80	.80	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.80	.85	.95	.95	.95	.95	.95	.95	.95	.95	.90	-----	-----	-----
Detroit	.75	.75	.75	.75	.79	.79	.85	.70	.79	.82	.82	.79	.79	.79	.79	.79
Fall River	.80	.80	.80	.95	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14
Houston	1.00	1.00	1.00	1.00	1.00	1.09	1.09	1.09	1.09	1.09	1.05	-----	-----	-----	-----	-----
Indianapolis	.60	.55	.55	.55	.60	.60	.90	1.20	1.15	1.15	1.10	1.05	1.05	.95	.95	.95
Jacksonville	1.20	1.15	1.15	1.25	1.25	1.50	1.75	1.65	1.65	1.97	1.97	1.97	1.92	1.92	1.92	1.92
Manchester	1.10	1.00	1.00	1.00	1.18	1.18	1.58	1.48	1.48	1.38	1.38	1.38	1.38	1.34	1.34	1.34
Memphis	1.00	1.00	.93	.92	.93	1.27	1.35	1.20	1.20	1.20	1.20	1.20	1.20	1.20	-----	-----
Milwaukee	.75	.75	.75	.75	.75	.75	.90	.90	.86	.82	.82	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.77	.77	.95	.95	1.28	1.02	1.05	1.01	.95	.97	.96	.94	.89	.89
Mobile	1.10	1.10	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80	1.76	1.76	1.76	1.76
Newark	1.00	.90	.90	.97	.97	1.15	1.40	1.25	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.21
New Haven	.90	.90	.90	1.00	1.10	1.10	1.27	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.00	1.00	1.30	1.30	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30	-----	-----
New York	.84	.83	.83	.83	.85	.87	1.40	1.31	1.23	1.23	1.23	1.23	1.24	1.25	1.25	1.24
Norfolk	1.00	1.00	1.00	1.20	1.20	1.60	1.40	1.40	1.40	1.40	1.40	1.33	1.33	1.33	1.33	1.32
Omaha	1.15	1.15	1.00	1.15	1.15	1.15	1.47	1.18	1.13	1.18	1.08	1.08	1.08	1.00	1.00	1.00
Peoria	.90	.90	.85	.85	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Portland, Me.	1.10	1.00	1.00	1.00	1.00	1.40	1.85	1.65	1.55	1.55	1.55	1.50	1.42	1.42	1.42	1.42
Portland, Oreg.	.95	.95	.95	.95	.95	.95	1.38	1.25	1.16	1.16	1.16	1.19	1.17	1.17	1.17	1.17
Providence	.85	.85	.85	1.00	1.30	1.30	1.42	1.42	1.22	1.22	1.17	1.17	1.13	1.13	1.13	1.13
Richmond	.90	.90	.80	.80	1.00	1.00	1.30	1.30	1.20	1.30	1.30	1.29	1.29	1.29	1.29	1.29
Rochester	.95	.95	.95	.95	.95	.95	1.18	1.10	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.75	.75	.75	.85	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.11
St. Paul	.95	.90	.85	.85	.85	.85	1.00	1.00	.85	.85	.85	.90	.90	.90	.90	.90
Salt Lake City	.87	.87	.87	.87	1.15	1.35	1.57	1.57	1.57	1.57	1.54	1.53	1.52	1.51	1.51	-----
San Francisco	.75	.85	.85	.85	.95	.95	1.05	1.02	.92	1.00	1.05	.95	.95	.94	.90	.90
Savannah	-----	-----	-----	-----	-----	1.25	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	.95	1.15	1.30	1.30	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.40	1.40
Seattle	1.00	1.00	1.00	1.20	1.20	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Springfield, Ill.	1.00	1.00	1.00	1.00	1.10	1.10	1.40	1.40	1.35	1.35	1.35	1.25	1.25	1.25	1.25	1.25
Washington	.93	.93	.80	.90	.95	.95	1.25	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NATURAL GAS																
Cincinnati	$0.30	$0.30	$0.35	$0.35	$0.35	$0.35	$0.35	$0.50	$0.50	$0.50	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75
Cleveland	.30	.30	.30	.30	.35	.35	.35	.40	.55	.55	.55	.60	.60	.60	.60	.60
Columbus	.30	.30	.30	.30	.30	.30	.30	.45	.45	.45	.55	.55	.48	.48	.48	.48
Dallas	.45	.45	.45	.45	.45	.45	.68	.68	.68	.68	.74	.74	.79	.79	.79	.79
Denver	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.99	.99
Houston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.75	.75	.75	.65	.65
Kansas City	.27	.27	.30	.60	.80	.80	.90	.90	.95	.95	.95	.95	.95	.95	.95	.95
Little Rock	.40	.40	.40	.40	.45	.45	.45	.45	.45	.65	.65	.65	.65	.65	.65	.65
Los Angeles	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.91	.91	.84	.84
Louisville	-----	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
New Orleans	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.95	.95
Pittsburgh	.28	.28	.28	.28	.35	.35	.45	.50	.50	.53	.60	.60	.60	.60	.60	.60
Salt Lake City	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.99
Memphis	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.97	.97
MANUFACTURED AND NATURAL GAS MIXED																
Buffalo	-----	-----	-----	-----	-----	-----	-----	-----	-----	$0.62	$0.62	$0.60	$0.65	$0.65	$0.65	$0.65
Los Angeles	-----	$0.68	$0.68	$0.68	$0.68	$0.75	$0.75	$0.75	$0.73	.68	.68	.68	.68	-----	-----	-----

Source: Bureau of Labor Statistics, Department of Labor.

No. 780.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation

Yearly average or year	Natural gas produced and marketed		Natural gasoline			Year	Natural gas produced and marketed		Natural gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1906–1910	437, 057	57, 940				1921	662, 052	174, 617	465, 097	449, 934	61, 815
1911–1915	575, 708	88, 492	11, 002	30, 317	2, 481	1922	762, 546	221, 535	545, 139	505, 832	72, 711
1916–1920	762, 681	154, 590	472, 787	268, 038	48, 174	1923	1, 006, 976	240, 001	875, 711	816, 226	77, 268
1921–1925	947, 419	229, 002	820, 445	762, 151	82, 205	1924	1, 141, 521	253, 856	1, 016, 276	933, 861	82, 233
1916	753, 170	120, 227	208, 705	103, 493	14, 331	1925	1, 188, 571	265, 271	1, 040, 300	1, 127, 470	120, 383
1917	795, 110	142, 089	426, 288	217, 884	40, 189	1926	1, 313, 019	300, 168	1, 206, 300	1, 363, 090	136, 412
1918	721, 001	153, 554	449, 109	282, 536	50, 364	1927	1, 445, 428	317, 930	1, 341, 248	1, 641, 144	118, 688
1919	745, 916	160, 388	480, 404	351, 535	64, 197	1928	1, 568, 139	363, 726	1, 473, 434	1, 814, 034	138, 944
1920	798, 210	196, 194	496, 431	384, 744	71, 788	1929 [1]	1, 860, 000	419, 000	1, 800, 000	2, 195, 400	159, 400

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced.		
	1915	1920	1925	1927	1928	1928	1927	1928	1929 [1]
Total	628, 579	798, 210	1, 188, 571	1, 445, 428	1, 568, 139	1, 567, 979	1, 641, 144	1, 814, 034	2, 195, 400
Arkansas	[2] 992	19, 050	41, 878	30, 450	20, 235	37, 763	37, 498	32, 677	32, 300
California	21, 891	66, 041	187, 789	212, 364	246, 215	246, 215	498, 020	584, 111	804, 200
Illinois	2, 690	3, 013	4, 165	3, 741	3, 051	3, 051	8, 853	7, 817	7, 090
Indiana	2, 261	4, 435	1, 168	1, 124	1, 290	2, 290			
Kansas	27, 015	33, 140	26, 917	42, 646	45, 644	72, 671	36, 095	36, 765	33, 800
Kentucky	1, 667	15, 297	10, 770	10, 206	15, 383	15, 802	7, 430	7, 267	6, 800
Louisiana	25, 540	46, 219	152, 820	186, 961	227, 821	188, 755	44, 844	55, 052	63, 400
New York	7, 977	19, 127	[3] 6, 210	[3] 5, 908	[3] 7, 224	17, 918	449	302	400
Ohio	79, 510	136, 872	43, 235	51, 381	56, 341	122, 484	12, 167	13, 174	11, 400
Oklahoma	87, 517	126, 669	249, 285	326, 864	320, 861	285, 333	548, 109	619, 091	675, 500
Pennsylvania	113, 682	161, 397	101, 632	105, 710	99, 466	116, 150	16, 744	16, 571	19, 100
Texas	13, 324	49, 467	[4] 134, 872	[4] 254, 063	[4] 301, 490	318, 718	320, 723	324, 516	422, 300
West Virginia	244, 004	160, 289	180, 545	162, 375	163, 018	67, 272	64, 192	69, 729	70, 700
Wyoming	[5] 342	10, 312	45, 539	43, 582	47, 490	46, 549	43, 212	42, 861	44, 700
All other	126	6, 862	2, 146	8, 054	12, 110	27, 039	2, 758	3, 441	2, 200

[1] Preliminary.
[2] Includes gas piped from Oklahoma and consumed in Arkansas.
[3] Includes 68,000,000 cubic feet piped to Canada in 1925, 71,000,000 in 1927, and 84,000,000 in 1928.
[4] Includes 64,000,000 cubic feet piped to Mexico in 1925, 113,000,000 in 1927, and 76,000,000 in 1928.
[5] Includes Colorado.

No. 781.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1910	1915	1920	1925	1926	1929 [1]
QUANTITY, TONS OF 2,000 POUNDS						
Asphalt produced and sold	260, 080	1, 128, 572	1, 944, 772	3, 763, 230	4, 913, 339	5, 928, 382
From domestic petroleum	161, 187	664, 503	700, 496	1, 306, 700	1, 741, 333	1, 726, 433
From foreign petroleum		388, 318	1, 045, 779	1, 971, 670	2, 264, 137	2, 997, 852
Native asphalt [2]	98, 803	75, 751	198, 497	584, 850	807, 869	804, 027
Asphalt and related bitumen imported	186, 311	139, 062	130, 599	125, 250	125, 039	125, 031
Asphalt exported, unmanufactured [3]		38, 203	51, 706	121, 849	518, 625	526, 366
VALUE, THOUSANDS OF DOLLARS						
Asphalt produced and sold	3, 080	8, 973	27, 472	48, 974	55, 288	57, 057
From domestic petroleum	2, 226	4, 716	11, 985	13, 306	20, 425	19, 717
From Mexican petroleum		3, 730	14, 273	27, 520	29, 638	31, 865
Native asphalt	854	526	1, 214	4, 148	5, 175	5, 457
Asphalt and related bitumen imported	786	919	1, 647	1, 270	1, 459	1, 614
Asphalt exported:						
Unmanufactured [3]		736	1, 356	2, 588	10, 472	9, 676
Manufactured		439	842	2, 526	2, 022	2, 292

[1] Preliminary. [2] Native asphalt and related bitumen. [3] Includes petroleum asphalt, beginning 1925.
Source: Tables 780 and 781, Bureau of Mines, Department of Commerce.

No. 782.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1861–1865	2,479	9,965	1906	126,494	92,445	1919	378,367	760,266
1866–1870	4,013	15,795	1907	166,095	120,107	1920	442,929	1,360,745
1871–1875	8,221	16,430	1908	178,527	129,079			
1876–1880	16,816	22,926	1909	183,171	128,329	1921	472,183	814,745
			1910	209,557	127,900	1922	557,531	895,111
1881–1885	25,508	22,933				1923	732,407	978,430
1886–1890	32,990	23,830	1911	220,449	134,045	1924	713,940	1,022,683
1891–1895	51,095	35,708	1912	222,935	104,213	1925	763,743	1,284,960
1896–1900	59,498	56,836	1913	248,446	237,121			
			1914	265,763	214,125	1926	770,874	1,447,700
1901–1905	102,083	83,524	1915	281,104	179,463	1927	901,129	1,172,330
1906–1910	172,769	119,572				1928	901,474	1,054,880
1911–1915	247,739	185,793	1916	300,767	330,900	1929[1]	1,005,598	1,240,006
1916–1920	362,661	735,698	1917	335,816	522,635			
1921–1925	647,961	999,186	1918	355,928	703,944			

[1] Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 783.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils.

Period	Quantity (thousands of barrels of 42 gallons)						Value (millions of dollars)				
	Production, crude oil	Imports		Exports		Bunker oil	Imports		Exports		Bunker oil
		Crude oil	Refined oils	Crude oil	Refined oils		Crude oil	Refined oils	Crude oils	Refined oils	
1871–1880	12,519	(1)	(1)	523	6,026	(1)	(1)	(1)	2.4	37.7	(1)
1881–1890	29,249	(1)	(1)	1,719	12,084	(1)	(1)	(1)	5.1	43.7	(1)
1891–1895	51,095	(1)	(1)	2,606	16,751	(1)	(1)	(1)	5.0	40.8	(1)
1896–1900	59,498	(1)	(1)	2,907	20,240	(1)	(1)	(1)	5.8	57.1	(1)
1901–1905	102,083	(1)	(1)	3,029	22,317	(1)	(1)	(1)	6.3	68.5	(1)
1906–1910	172,769	[2] 295	(1)	3,686	30,521	(1)	[2] 0.7	(1)	6.4	90.4	(1)
1911–1915	247,739	12,080	293	4,134	44,475	(1)	7.6	1.1	6.1	125.8	(1)
1916–1920	362,661	49,531	1,306	5,413	58,336	11,681	26.5	5.0	14.1	323.7	24.2
1921–1925	647,961	94,857	12,545	13,330	70,455	36,501	68.0	22.2	22.5	363.6	55.9
1912	222,936	6,909	466	4,493	40,352	(1)	4.7	1.4	6.8	117.4	(1)
1913	248,446	16,979	435	4,633	44,622	(1)	10.9	2.1	8.4	130.7	(1)
1914	265,763	16,913	336	2,976	48,716	[3] 1,302	10.0	1.5	5.0	133.7	[3] 1.1
1915	281,104	18,139	44	3,768	51,377	3,566	10.4	.2	4.3	138.3	3.2
1916	300,767	20,797	414	4,096	57,833	5,530	12.6	1.3	7.0	194.5	5.6
1917	335,816	30,127	1,401	4,098	58,999	5,908	16.3	4.3	7.7	245.2	7.4
1918	355,928	37,735	1,207	4,901	59,727	6,603	21.3	4.4	12.1	332.2	11.7
1919	378,367	52,852	1,340	5,924	52,041	14,031	26.4	5.0	14.8	327.0	20.4
1920	442,929	106,175	2,619	8,045	65,278	26,335	55.8	10.1	29.0	519.3	66.7
1921	472,183	125,364	3,412	8,865	57,534	27,076	66.5	10.8	20.2	363.5	57.2
1922	557,531	127,308	8,630	9,995	50,502	31,692	70.4	17.8	18.3	312.6	43.7
1923	732,407	82,015	17,592	17,061	77,895	37,582	53.9	24.3	23.1	327.0	52.2
1924	713,940	77,775	16,760	17,605	93,411	43,328	73.8	26.9	26.5	392.3	58.0
1925	763,743	61,824	16,324	13,125	93,843	42,827	75.4	31.3	24.3	422.6	68.2
1926	770,874	60,382	20,902	15,406	108,398	46,662	79.3	44.6	28.5	497.2	71.0
1927	901,129	58,383	13,281	15,843	115,399	50,051	78.6	33.6	25.9	429.7	73.0
1928	901,474	79,767	11,701	18,961	126,159	51,226	90.5	40.9	26.8	465.2	59.4
1929	1,005,598	78,933	29,632	26,394	127,156	52,278	79.9	61.0	37.8	493.4	54.7

[1] Data are not available.
[2] Average for years 1908–1910 for total mineral oils.
[3] July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 784.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

Section	1901–1910 (average)	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926	1927	1928	1929 (preliminary)	Production since 1857
World total [1]	236,795	384,345	541,733	944,763	1,096,823	1,282,582	1,324,734	1,488,604	18,635,385
United States [2]	137,420	247,739	382,661	647,961	770,874	901,129	901,474	[3]1,005,598	12,248,747
Per cent of total	*58.0*	*64.4*	*66.8*	*68.6*	*70.3*	*71.4*	*68.1*	*67.6*	*65.7*
Regions:									
Appalachian	28,943	24,594	27,101	28,504	28,572	30,454	31,059	33,757	1,550,662
Lima-Indiana [4]	17,253	5,052	3,468	2,297	2,030	1,835	1,070	1,549	473,639
Michigan				1	94	439	594	4,354	5,485
Illinois [4]	12,659	24,955	13,918	9,585	8,418	7,720	7,425	7,216	399,662
Mid-continent	25,088	87,656	184,616	343,545	423,867	547,003	553,125	584,751	5,441,356
Gulf	17,436	12,357	24,273	33,688	45,275	52,053	46,591	55,574	725,443
Rocky Mountain	402	2,695	11,830	35,258	37,945	30,429	20,199	26,360	382,438
California	35,641	90,512	97,384	195,074	224,673	231,196	231,811	292,037	3,260,869
States:									
Arkansas				30,644	58,332	40,005	32,096	25,076	338,730
California	35,641	90,512	97,384	195,074	224,673	231,196	231,811	292,037	3,260,869
Colorado	381	211	139	392	2,768	2,831	2,774	2,298	24,184
Illinois	12,659	24,955	13,918	8,815	7,760	6,994	6,462	6,304	392,556
Indiana	6,527	1,167	865	1,011	808	852	1,052	977	110,764
Kansas [5]	4,003	2,235	32,556	32,733	41,498	41,09	38,596	42,875	548,206
Kentucky [6]	696	484	5,335	8,044	6,274	6,719	7,359	7,776	104,557
Louisiana	4,310	12,997	19,117	25,759	23,201	22,818	21,847	20,229	420,561
Michigan				1	94	439	594	4,354	5,485
Montana			129	2,729	7,727	5,058	4,015	3,183	34,273
New Mexico [7]				[8] 554	1,666	1,226	943	1,689	6,082
New York	1,153	920	864	1,274	1,956	2,242	2,603	3,346	71,724
Ohio	15,677	8,586	7,583	7,045	7,272	7,593	7,015	6,708	542,315
Oklahoma [5]	19,076	68,624	102,209	155,088	179,195	277,775	249,857	253,704	2,780,408
Pennsylvania	10,538	8,002	7,662	7,607	8,961	9,526	9,956	11,805	828,614
Texas	14,534	16,256	55,008	127,009	166,916	217,389	257,326	298,441	2,078,893
West Virginia	11,605	10,487	8,311	6,575	5,946	6,023	5,661	5,587	367,152
Wyoming	21	2,394	11,562	31,901	25,776	21,307	21,461	19,190	317,261

[1] Estimated. [2] Includes for certain years small quantities not distributed by regions and States.
[3] Does not include petroleum consumed on leases or remaining on producing properties.
[4] Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
[5] Kansas includes report for Oklahoma in 1905 and 1906.
[6] Kentucky includes report for Tennessee from 1891 to 1907. [7] Not shown separately prior to 1924.
[8] Average for years 1924 and 1925.

No. 785.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1923	1924	1925	1926	1927	1928	1929
Stocks of crude petroleum, total [1]	373,244	417,619	[3] 431,646	[3] 403,338	473,379	491,847	540,576
Stocks east of California [2]	301,232	312,725	[3] 293,852	278,264	352,038	368,353	381,391
Light				225,404	303,539	319,928	342,049
Heavy				52,860	48,499	48,425	39,342
Pipe line and tank-farm stocks by field of origin, total	267,858	280,807	264,245	242,180	312,637	327,585	335,084
Appalachian	9,210	9,286	8,493	7,790	7,334	5,515	5,249
Lima-Indiana	975	1,221	971	666	1,134	1,162	544
Illinois and southwestern Indiana	11,091	10,870	10,532	11,770	12,170	11,367	10,411
Mid-continent	202,904	210,558	195,941	173,848	246,839	265,748	274,072
Gulf coast	23,974	20,200	19,263	20,031	17,922	18,272	20,129
Rocky Mountain	19,704	28,672	28,995	28,075	27,238	25,501	24,679
Refinery stocks	[4] 31,991	31,184	[3] 29,200	35,475	39,317	40,529	46,195
Foreign petroleum held by importers	1,883	734	407	609	84	259	112
Producers' stocks (at wells)	9,850	8,389	7,560	5,904	7,536	6,521	6,050
Stocks in California [1]	[4] 62,162	96,505	[3] 130,234	[3] 119,170	113,805	116,973	153,135
Light		40,541	44,451	30,861	20,086	17,755	41,049
Heavy [1]		55,964	[3] 85,783	[3] 88,309	93,719	99,218	112,086
Natural-gas gasoline at plants		302	326	455	734	607	604
Stocks of refined oils [5]		102,366	120,449	123,247	123,030	128,530	146,939
Grand total stocks all oils		520,287	[3] 552,421	[3] 527,040	597,143	619,925	682,069

[1] Fuel oil held in California is included beginning 1924. [2] Exclusive of producers' stocks. [3] Revised.
[4] Refinery stocks in California are included with refinery stocks east of California prior to 1924.
[5] Includes wax, coke, asphalt, and residuum in barrels.

Source of Tables 784 and 785: Bureau of Mines, Department of Commerce.

No. 786.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1924	1925	1926	1927	1928	1929
Total new supply of all oils	830,756	870,107	886,611	1,014,084	1,038,166	1,169,633
Domestic production, total	736,175	791,907	805,291	942,348	946,609	1,060,924
Crude petroleum	713,940	763,743	770,874	901,129	901,474	1,005,598
Natural gasoline	22,235	26,307	32,305	38,657	42,326	52,271
Benzol		1,857	2,112	2,562	2,809	3,055
Imports—						
Crude	77,775	61,824	60,382	58,383	79,767	78,915
Refined [1]	16,806	16,376	20,938	13,353	11,790	29,794
Change in stocks [2]	+29,349	+30,120	−24,764	+70,103	22,782	67,606
Total demand	801,407	839,987	911,375	943,981	1,015,384	1,102,027
Exports [3]—						
Crude	18,239	13,337	15,407	15,844	18,986	26,374
Refined [1]	98,728	100,216	116,087	125,191	135,483	135,883
Domestic demand [4]	684,440	726,434	779,881	802,946	860,935	939,770
Bunker oil	43,328	42,827	46,062	50,051	51,226	52,308

[1] Includes wax, coke, asphalt, and residuum in barrels
[2] Data include crude petroleum (exclusive of producers' stocks east of California), fuel oil in California, refined products, and, except in 1924, natural gasoline.
[3] Includes shipments to noncontiguous territories.
[4] Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

No. 787.—PETROLEUM REFINING: MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
Materials used, total cost					325,265	1,689,678	1,752,987
Crude petroleum	Barrel [1]	191,263	739,489	831,332	249,728	(2)	(2)
Partially refined oils, etc., purchased and rerun	do	9,455	57,845	33,939	24,395	(2)	(2)
Natural gasoline	do	(2)	23,223	26,383	(2)	(2)	(2)
Soda ash	Ton [3]	(2)	21	21	(2)	(2)	(2)
Caustic soda	do	11	60	95	361	(2)	(2)
Sulphuric acid	do	329	320	373	(2)	(2)	(2)
Sulphuric acid, reclaimed and reused	do	(2)	345	344	(2)	(2)	(2)
All other					51,142	(2)	(2)
All products, total value					398,361	2,376,657	2,142,649
Gasoline	Gallon	1,195,422	10,726,262	12,491,833	106,140	1,218,236	1,022,012
Naphtha	do	[4] 264,626	294,947	689,047	[4] 15,779	29,938	68,943
Benzine	do		41,714	50,556		4,993	4,625
Tops	do	(2)	215,948	159,904	(2)	12,117	6,574
Illuminating oils	do	1,935,275	2,365,302	2,217,591	96,806	161,881	147,925
Fuel oils:							
Distillates	do	457,492	1,294,937	976,670	15,999	51,743	44,287
Gas oils	do	755,558	1,812,645	2,576,591	22,805	79,602	99,328
Residual fuel oil	do	2,521,042	11,586,456	11,862,599	45,213	357,613	313,344
Partially refined oils sold for rerunning	do	(2)	1,497,879	1,583,727	(2)	66,305	62,210
Lubricating oils:							
Pale or paraffin	do	93,422	270,345	227,198	8,085	38,763	30,617
Red or neutral	do	116,352	528,756	531,627	12,426	92,404	87,243
Cylinder oils	do	102,949	206,884	219,673	13,704	47,226	43,036
All other lubricating oils	do	205,115	355,087	403,403	21,598	73,712	83,733
Liquid asphaltic road oils	do	134,844	274,317	204,799	4,018	12,512	9,308
Residuum or tar	do		125,115	118,467		5,582	5,118
Greases	do	14,006	45,820	63,039	3,536	13,921	12,961
Paraffin wax	do	57,539	89,762	94,257	8,897	30,590	23,432
Asphalt, other than liquid	Ton [3]	465	2,276	2,642	4,867	30,461	37,884
Coke, petroleum	do	214	924	1,244	819	6,438	7,170
Other special products					9,000	31,034	24,173
All other products					6,669	12,587	8,726

[1] 42 gallons.
[2] No data.
[3] Of 2,000 pounds.
[4] Includes data for light products, other than gasoline, naphtha, and benzine, for later years included in "Other special products."

Source: Bureau of the Census, Department of Commerce.

No. 788.—PETROLEUM PRODUCTS: OILS RUN TO STILLS, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

NOTE.—Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene, gas oil and fuel oil, and lubricating oil for 1923 to 1929 take into account imports not shown separately, and for which no data were available prior to October, 1922. In 1929 these imports were as follows: Kerosene, 208,000 barrels; gas and fuel oil, 20,510,000 barrels; lubricants, 39,000 barrels

[In thousands of barrels of 42 gallons, except wax (thousand pounds), and coke and asphalt (thousand short tons of 2,000 pounds)]

Item	1918	1922	1924	1925	1926	1927	1928	1929
Crude oil run to stills	326,025	500,706	643,719	739,920	779,264	828,835	913,295	987,708
Domestic		425,823	597,954	698,582	734,301	778,729	835,711	912,191
Foreign		74,883	45,765	41,338	44,963	50,106	77,584	75,517
Natural gasoline run to stills or blended at refineries	2,451	3,602	12,671	[1] 19,636	[1] 27,696	[1] 32,102	[1] 35,223	[1] 45,463
Stocks of crude oil, end of year	15,750	33,805	40,995	[2] 29,200	[2] 35,475	[2] 39,317	[2] 40,529	[2] 46,195
Gasoline:								
Produced	85,007	147,672	213,326	259,601	299,734	330,435	376,945	434,241
Exported	13,545	14,156	28,997	31,497	43,313	44,337	52,904	61,208
Imported	307	1,479	3,453	3,813	5,540	5,002	4,198	8,666
Stocks, end of year	7,079	21,043	30,823	38,875	39,023	33,316	33,066	43,115
Apparent consumption	74,506	127,906	185,003	223,865	261,813	296,807	328,489	371,852
Kerosene:								
Produced	43,461	54,913	60,026	59,689	61,768	56,113	59,353	57,154
Exported	11,820	21,489	21,961	21,212	22,248	19,537	22,034	20,018
Stocks, end of year	9,050	6,692	8,594	7,121	8,575	7,715	9,001	9,030
Apparent consumption	34,442	34,854	36,712	39,969	38,140	37,491	36,235	37,306
Gas oil and fuel oil:								
Produced	174,319	254,910	320,476	364,991	365,195	393,066	427,237	447,894
Exported	29,637	18,479	37,249	36,088	38,351	47,391	44,427	39,073
Stocks, end of year	15,691	31,065	[2] 19,556	[2] 24,681	[2] 24,898	[2] 34,022	[2] 34,926	[2] 34,425
Apparent consumption	142,751	240,010	292,452	[3]	[3]	[3]	[3]	[3]
Lubricants:								
Produced	20,035	23,304	27,498	31,055	32,293	31,721	34,658	34,359
Exported	6,165	7,941	9,103	9,678	9,435	9,776	11,023	10,965
Stocks, end of year	3,306	5,613	6,420	7,253	7,576	7,860	8,340	8,269
Apparent consumption	13,823	15,528	18,124	20,581	22,568	21,669	23,108	23,504
Wax—production...1,000 lbs	505,144	462,003	516,491	590,577	645,815	584,347	630,144	630,074
Stocks, end of year...do	199,658	204,891	89,700	116,391	185,331	[4] 150,638	110,344	187,990
Coke—production, 1,000 tons	560	707	761	991	995	1,145	1,427	1,807
Stocks, end of year...do	23	36	98	238	291	345	437	602
Asphalt—production 1,000 tons	608	1,805	2,546	2,677	2,923	3,418	3,297	3,469
Stocks, end of year...do	77	120	97	159	193	221	236	240
Other finished products		4,527	8,252	8,044	8,030	7,405	9,402	9,924
Losses	14,557	18,562	19,590	22,914	26,928	28,396	29,040	35,061

[1] Includes natural gasoline run through pipe lines in California. [2] Stocks east of California only.
[3] Not available. [4] 1927 data revised for comparison with 1928; earlier years not strictly comparable.

No. 789.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILLS AND OUTPUT OF REFINERIES, BY REGIONS

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

Region	Crude oil run to stills		Natural gasoline run to stills or blended		Output of refineries, 1929				
	1928	1929	1928	1929	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	913,295	987,708	35,223	45,463	434,241	57,154	447,894	34,359	630,074
East coast	170,503	172,434	2,204	2,473	57,851	8,091	91,011	10,874	200,156
Appalachian	33,643	33,802	732	642	16,061	3,671	7,165	5,243	96,117
Indiana, Illinois, Kentucky, etc	98,905	110,349	2,226	2,636	65,102	5,384	36,296	3,901	59,482
Oklahoma, Kansas and Missouri	111,342	115,449	4,632	4,248	62,432	10,052	38,439	2,678	40,618
Texas	186,076	211,693	6,963	9,749	93,589	13,336	92,448	7,727	67,165
Louisiana and Arkansas	75,540	75,428	5,082	6,731	31,093	5,501	32,114	968	65,266
Rocky Mountain	26,061	25,443	1,384	1,492	16,431	1,530	6,950	580	41,270
California	211,222	243,110	12,000	17,492	91,682	9,639	143,471	2,388	

Source: Tables 788 and 789, Bureau of Mines, Department of Commerce.

No. 790.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipe line operating revenues	Pipe line operating expenses	Pipe line operating income	Net income
ALL REPORTING COMPANIES							
1920	43,712	340,328	267,362	103,600	66,452	26,026	58,949
1921	55,360	365,024	287,114	115,950	62,370	25,580	24,400
1922	57,340	382,280	264,344	128,059	64,539	52,720	58,568
1923	64,760	432,065	305,841	131,213	69,234	52,678	62,639
1924	68,185	496,187	282,504	146,921	74,656	63,176	72,234
1925	70,009	511,068	93,896	164,645	80,232	70,966	88,495
1926	72,846	539,410	111,891	173,075	83,098	76,523	80,401
1927	76,070	609,439	105,927	195,561	90,287	92,719	93,289
1928	81,676	659,093	106,633	222,073	96,478	112,221	117,206
COMPANIES REPORTING OPERATING REVENUES OF OVER $500,000 IN 1928							
Buckeye Pipe Line Co.	7,258	20,122	3,579	4,445	3,064	873	1,105
Cumberland Pipe Line Co.	1,230	4,632	1,111	688	586	36	148
Empire Pipe Line Co.	310	8,516		2,353	1,245	992	1,121
Eureka Pipe Line Co.	4,851	11,424	2,223	2,264	2,196	27	65
Gulf Pipe Line Co.	3,657	47,386	2,347	15,827	6,502	8,993	8,070
Gulf Pipe Line Co. of Oklahoma	1,619	11,746		5,606	1,876	3,577	3,942
Humble Pipe Line Co.	5,724	74,964		34,691	12,615	21,721	22,398
Illinois Pipe Line Co.	4,657	37,299	2,313	9,920	4,880	3,951	4,310
Indiana Pipe Line Co.	915	5,101	3,120	1,452	649	593	795
Imperial Pipe Line Co. (Ltd.)	179	1,228		514	268	198	241
Magnolia Pipe Line Co.	5,405	61,181		19,249	7,369	11,491	12,224
Maryland Pipe Line Co.	632	6,370	211	1,464	1,518	114	119
National Transit Co.	3,663	8,746	6,384	1,608	1,629	49	280
Northern Pipe Line Co.	626	3,158	779	502	204	156	306
Oklahoma Pipe Line Co.	2,230	24,227	1	10,587	3,597	6,055	6,093
Pierce Pipe Line Co.	224	2,370	2,203	623	430	159	1,217
Prairie Pipe Line Co.	12,335	95,110	70,457	34,946	14,752	16,562	19,137
Pure Oil Pipe Co. (Ohio)	349	1,923	133	767	294	459	477
Pure Oil Pipe Line Co. of Texas	797	7,229	205	1,880	1,154	554	649
Shell Pipe Line Corporation	2,685	41,013		15,850	5,691	10,160	9,499
Shreveport-El Dorado Pipe Line Co. (Inc.)	211	2,202	275	1,113	641	439	90
Sinclair Pipe Line Co.	6,750	78,017	6,295	22,580	11,861	9,116	8,385
South West Pennsylvania Pipe Lines	2,010	4,436	1,496	1,016	702	251	303
Standard Pipe Line Co. (Inc.)	3,439	29,161	32	13,179	4,470	7,664	7,657
Texas Pipe Line Co. of Texas	4,153	37,155		11,440	4,140	6,195	6,156
Texas Pipe Line Co. of Oklahoma	1,455	7,281	142	3,445	1,256	1,869	1,810
Tide-Water Pipe Co. (Ltd.)	1,964	10,855	31	2,611	1,412	952	1,073

Source: Interstate Commerce Commission.

No. 791.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

NOTE.—Prices of crude and fuel oil in dollars per barrel of 42 gallons, others in cents per gallon. Compiled by Joseph C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene and gasoline from tank wagon, from five refining locations for fuel oil, and for five grades of lubricating oil

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1929	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1918	2.22	21.7	10.2	2.01	30.9	January	1.70	14.9	13.2	0.897	26.1
1919	2.25	22.2	12.7	1.59	32.2	February	1.64	13.8	13.2	.889	26.1
1920	3.44	26.5	17.1	2.79	49.0	March	1.64	13.1	13.2	.908	26.1
1921	1.86	22.3	12.9	1.30	27.6	April	1.64	13.6	13.4	.924	26.1
1922	1.78	21.7	12.4	1.24	20.4	May	1.72	13.9	13.4	.907	26.1
1923	1.71	17.5	12.8	1.20	19.4	June	1.78	14.4	13.4	.894	26.1
1924	1.84	15.9	12.7	1.35	23.0	July	1.76	14.6	13.4	.875	26.1
1925	1.96	16.6	12.3	1.46	26.1	August	1.67	14.3	13.4	.841	26.1
1926	2.03	17.5	14.7	1.47	26.1	September	1.65	13.8	13.4	.847	24.3
1927	1.55	15.0	12.9	1.14	25.3	October	1.58	13.6	13.4	.882	23.6
1928	1.54	14.7	12.9	.91	24.3	November	1.60	13.3	13.4	.908	23.6
1929	1.67	13.9	13.4	.89	25.3	December	1.61	13.1	13.4	.922	23.6

No. 792.—PORTLAND CEMENT: Production, Shipments, Exports, and Imports

Note.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories. (See Table 793.)

State	1910	1915	1920	1925	1926	1927	1928	1929
	Thousands of barrels of 376 pounds							
Production, total	76,550	85,915	100,023	161,659	164,530	173,207	176,209	170,646
Alabama	[1] 1,481	(2)	1,132	6,288	6,710	7,565	6,749	5,006
California	[3] 6,386	4,503	7,098	13,098	13,342	14,581	13,556	13,092
Illinois	4,459	5,157	5,539	7,101	6,747	7,017	7,335	8,243
Iowa	[4] 2,010	4,560	4,849	4,648	4,926	5,415	7,070	6,373
Kansas	5,656	3,580	4,341	6,511	6,358	6,180	6,574	6,740
Michigan	3,688	4,705	4,891	10,936	12,037	13,065	13,849	13,749
Missouri	4,456	4,627	6,018	8,332	7,653	6,778	7,881	8,113
New York	3,206	5,044	5,885	8,770	8,796	10,775	10,960	10,761
Ohio	1,528	1,949	1,780	5,715	7,556	8,854	9,233	9,427
Pennsylvania	26,676	28,649	28,269	42,347	42,866	43,732	41,522	39,355
Texas	[5] 2,287	1,939	2,552	4,858	5,007	5,656	6,346	7,374
Washington	(3)	1,496	1,799	2,482	(1)	(1)	(2)	(2)
Other States	14,627	19,646	25,560	40,573	42,031	42,688	45,224	42,413
Shipments	(6)	86,892	96,312	157,295	162,187	171,865	175,838	169,868
Imports	307	42	525	3,607	3,244	2,066	2,302	1,745
Stocks, end of year	(6)	11,463	8,833	18,336	20,740	22,457	22,760	23,538

[1] Includes Georgia and Tennessee.
[2] Included in other States.
[3] California includes Washington.
[4] Includes Kentucky and West Virginia.
[5] Includes Oklahoma.
[6] Not available.

No. 793.—PORTLAND CEMENT: Shipments by Destinations

[In thousands of barrels of 376 pounds]

State	1926	1927	1928	1929
Shipped from cement plants	162,187	171,865	175,838	169,868
Shipments to States	160,940	170,737	174,681	168,754
New England	6,733	6,942	7,604	7,733
Maine	548	506	522	609
New Hampshire	438	460	515	666
Vermont	272	393	606	929
Massachusetts	2,933	2,820	2,916	2,908
Rhode Island	635	701	761	721
Connecticut	1,857	2,062	2,284	1,909
Middle Atlantic	41,181	45,259	43,758	42,190
New York	20,225	23,003	22,325	21,040
New Jersey	7,116	8,419	8,437	8,015
Pennsylvania	13,840	13,837	12,996	13,135
East North Central	44,332	48,043	51,156	46,404
Ohio	9,684	10,342	11,013	10,033
Indiana	5,175	5,739	5,297	5,675
Illinois	14,007	14,833	17,083	13,491
Michigan	10,784	11,576	11,776	11,687
Wisconsin	4,622	5,553	5,382	5,518
West North Central	16,271	15,890	17,606	19,347
Minnesota	3,573	3,380	3,055	3,213
Iowa	2,827	3,708	5,349	5,463
Missouri	5,202	4,207	4,719	5,021
North Dakota	403	393	455	445
South Dakota	424	410	491	530
Nebraska	1,555	1,360	1,196	1,470
Kansas	2,287	2,432	2,341	2,605
South Atlantic	17,576	15,925	13,818	13,641
Delaware	360	343	349	365
Maryland	2,319	2,652	2,243	2,426
District of Columbia	907	982	890	1,127
Virginia	1,734	1,799	1,996	1,765
West Virginia	1,680	1,562	1,361	1,415
North Carolina	3,732	3,213	2,402	1,753
South Carolina	639	986	1,508	1,190
Georgia	1,831	1,905	1,743	1,423
Florida	4,374	2,483	1,326	1,177
East South Central	6,377	7,463	8,518	7,498
Kentucky	1,659	1,954	1,740	1,576
Tennessee	1,933	2,263	2,699	2,935
Alabama	1,981	2,265	2,950	1,958
Mississippi	804	981	1,129	1,029
West South Central	9,178	10,904	11,847	14,149
Arkansas	770	855	1,251	1,556
Louisiana	1,187	1,491	1,276	1,057
Oklahoma	2,343	3,120	3,126	3,352
Texas	4,878	5,438	6,194	7,584
Mountain	3,204	3,159	3,659	3,495
Montana	258	308	461	552
Idaho	444	311	295	261
Wyoming	189	181	198	193
Colorado	1,138	1,002	1,065	892
New Mexico	193	279	333	286
Arizona	426	562	693	657
Utah	461	428	508	521
Nevada	95	87	106	133
Pacific	16,081	17,102	16,685	15,297
Washington	2,022	2,574	2,974	2,478
Oregon	1,318	1,399	1,257	1,017
California	12,691	13,129	12,454	11,802
Unspecified	60	52	30	0
Exports direct by manufacturers[1]	1,247	1,128	1,158	1,114

[1] Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 792 and 793: Bureau of Mines, Department of Commerce.

No. 794.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cement represent shipments

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890	7,777	336	7,441	4,527	1916	92,363	91,521	842	101,379
1895	8,731	990	7,741	5,482	1917	93,454	92,814	639	126,106
1900	17,231	8,482	8,749	13,284	1918	71,515	71,082	433	114,132
1905	40,102	35,247	4,855	35,932	1919	81,307	80,778	529	138,714
1906	51,000	46,463	4,537	55,302	1920	100,791	100,023	767	203,198
1907	52,230	48,785	3,445	55,904	1921	99,381	98,842	539	187,768
1908	52,911	51,073	1,838	44,478	1922	115,679	114,790	889	203,324
1909	66,690	64,991	1,698	53,611	1923	138,732	137,460	1,272	263,122
1910	77,785	76,550	1,235	68,752	1924	150,777	149,358	1,418	272,345
1911	79,548	78,529	1,019	66,705	1925	163,388	161,659	1,729	[1] 231,076
1912	83,351	82,438	913	67,462	1926	166,635	164,530	2,105	[1] 280,786
1913	92,949	92,097	852	93,001	1927	175,330	173,207	2,124	[1] 281,736
1914	89,050	88,230	820	82,204	1928	178,509	176,299	2,210	[1] 278,853
1915	86,708	85,915	794	74,285	1929	172,855	170,646	2,209	[1] 255,105

[1] Value of shipments.

Source: Bureau of Mines, Department of Commerce.

No. 795.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Variety and use	Quantity sold, thousands of short tons (2,000 pounds)[1]							Value 1,000 dollars	
	1923	1924	1925	1926	1927	1928	1929	1928	1929
Total	103,319	103,184	115,851	124,499	138,845	133,870	138,912	196,821	198,922
Granite	7,300	6,884	8,074	9,330	10,707	9,556	(2)	33,995	(2)
Basalt and related rocks	10,674	11,672	11,842	12,978	13,211	15,328	14,663	19,094	18,565
Sandstone	4,349	3,895	4,499	4,979	5,051	4,717	(2)	10,498	(2)
Marble	563	516	564	563	600	579	552	16,403	16,535
Limestone	76,701	75,804	85,649	91,888	99,682	96,865	(2)	110,232	(2)
All other	3,731	4,324	5,242	4,759	7,115	6,825	7,012	5,999	6,945
Building stone	2,059	2,212	2,392	2,609	2,485	2,453	2,643	42,770	43,570
Monumental	424	394	363	360	358	348	365	14,966	15,350
Paving blocks	462	376	381	66	367	349	308	3,114	3,018
Curbing	252	296	393	346	378	383	346	4,698	3,760
Flagging	44	60	56	66	55	75	104	717	703
Rubble	882	865	1,197	540	809	903	855	1,250	1,280
Riprap	3,186	3,205	3,070	4,060	4,618	3,993	4,460	3,566	4,900
Crushed stone	62,323	68,198	75,673	82,516	94,949	91,265	92,136	94,186	94,017
Furnace flux (limestone and marble)	25,602	19,690	22,861	23,850	21,666	23,124	24,460	16,957	18,160
Refractory stone	1,152	1,094	1,261	1,531	1,363	1,348	1,585	1,745	1,814
Manufacturing industries (limestone and marble)	4,668	4,734	5,172	4,954	5,352	5,640	11,650	4,724	13,410
Other uses [3]	2,264	2,000	3,023	3,289	3,944	3,983		7,827	

[1] Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1929: Building stone, 32,650,000 cubic feet; monumental stone, 4,410,000 cubic feet; paving blocks, 32,555,000; curbing, 3,975,000 cubic feet; and flagging, 1,215,000 cubic feet.

[2] Figures not yet available.

[3] Chiefly agricultural limestone.

Source: Bureau of Mines, Department of Commerce.

No. 796.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
BRICK, TILE, AND TERRA COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY REFRACTORIES [1]							
All products, total value					129,583	335,670	320,201
Brick:							
Common	Number	7,145,809	7,561,501	7,060,984	43,764	88,551	78,408
Vitrified	do	931,324	539,101	503,400	12,501	11,376	10,764
Face	do	810,395	2,474,690	2,412,903	9,290	45,428	41,521
Enameled	do	(2)	16,931	18,097	(2)	1,508	1,375
Drain tile	Ton [3]	(2)	661	784	8,522	4,960	5,511
Sewer pipe	do	(2)	2,139	2,116	14,015	30,421	29,426
Architectural terra cotta	do	(2)	152	156	6,088	19,139	16,628
Hollow building tile or block	do	(2)	4,225	4,114	8,385	29,264	26,499
Tile (not drain):							
Roofing	Squares	(2)	290	368	5,705	5,155	5,349
Floor (including plain, vitreous, encaustic, quarry, etc.)	Sq. ft	(2)	19,244	20,434		4,361	4,586
Ceramic mosaic (vitreous and semivitreous)	do	(2)	20,331	20,506		4,092	4,552
Faience (including art, enameled, and hand-decorated)	do	(2)	4,916	10,157		3,295	5,776
Wall (thin, white glazed, etc.)	do	(2)	30,366	39,537		10,220	12,503
Stove lining	Ton [3]	(2)	26	14	521	656	503
Fire brick [4]	Number	816,784	995,079	[5] 877,743	16,428	41,164	38,174
All other clay products					4,364	14,905	14,587
Silica brick	Number	(2)	235,877	245,881	(2)	11,280	12,757
Other nonclay refractories						9,085	10,791
All other products						310	491
POTTERY [1]							
All products, total value					35,398	112,019	111,614
Red earthenware (flower pots, etc.)		(2)	(2)	(2)	1,060	2,632	2,350
Stoneware (except chemical) and yellow and Rockingham ware		(2)	(2)	(2)	3,349	4,349	4,503
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain		(2)	(2)	(2)	14,968	32,816	31,602
Porcelain china, bone china, delft, and Belleek ware		(2)	(2)	(2)	2,385	967	(6)
Hotel china			(2)	(2)	(7)	9,867	10,020
Vitreous china, plumbing fixtures		(2)	(2)	(2)	(6)	25,036	23,028
Porcelain electrical supplies		(2)	(2)	(2)	4,130	21,827	22,861
Saggers		(2)	(2)	(2)	(7)	1,764	1,916
All other products					9,506	12,761	14,144
GLASS [8]							
All products, total value					123,085	295,959	233,028
Building glass					36,824	107,962	80,972
Window glass	Sq. ft	400,999	567,151	481,021	17,496	37,525	26,314
Obscured glass, including cathedral and skylight	do	43,040	53,951	41,545	2,417	6,916	5,093
Plate glass, total cast	do	75,779					
Polished	do	60,384	117,369	118,124	14,774	57,207	44,258
Rough, for sale as such	do	132	4,215	3,081	26	504	430
Wire glass—							
Polished	do	1,708	4,165	3,320	534	2,264	1,631
Rough, for sale as such	do	13,981	28,743	25,795	1,057	3,546	2,746
All other building glass					520	(9)	(9)
Pressed and blown glass [9]					30,279	72,086	76,657
Bottles and jars [10]					51,959	100,301	114,381
All other products					4,023	15,610	11,018

[1] From reports of Bureau of Mines, Department of Commerce.
[2] No data.
[3] Of 2,000 pounds.
[4] Clay brick, including refractory block or tile, boiler and locomotive tile, tank blocks, and other refractory clay products—9-inch equivalent.
[5] Bricks only, of 9-inch equivalent; in addition there were 132,000 tons of special shapes produced.
[6] Not shown separately. Included in "All other products."
[7] Not reported separately.
[8] In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establishments engaged primarily in the manufacture of electrical goods.
[9] Including jelly glasses, tumblers, and goblets, but not including bottles, etc.
[10] Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.

No. 797.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)								
				Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face					
1914	7,147	931	810	43,770	12,501	9,290	6,088	8,385	5,706	14,015	13,476
1915	6,851	953	856	42,145	12,231	9,536	4,706	7,801	5,186	11,259	15,800
1916	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	24,437
1917	5,865	707	758	47,936	10,665	10,391	6,174	13,235	6,821	17,307	42,502
1918	3,557	403	356	38,782	7,145	6,095	2,659	13,037	5,082	15,334	51,648
1919	4,752	489	791	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
1920	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1921	4,448	562	873	57,095	12,870	18,128	9,068	14,841	12,560	22,155	24,833
1922	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	16,597	23,600	31,357
1923	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924	7,159	554	2,030	86,602	12,974	39,931	16,446	24,998	24,842	32,400	40,621
1925	7,562	539	2,475	88,551	11,876	45,428	19,139	29,264	27,124	30,421	41,164
1926	7,517	468	2,440	88,227	10,285	44,516	19,667	27,818	34,985	29,303	42,707
1927	7,061	503	2,413	78,408	10,764	41,521	16,628	26,499	32,766	29,420	38,174
1928	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	23,969	37,392

[1] Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 798.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

NOTE.—All quantity figures in short tons (2,000 pounds). Production figures represent sales plus that used by producers; they include Porto Rico

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880	834,548	1,642	509,703	1919	6,882,902	119,416	59,514
1885	985,411	2,108	440,290	1920	6,840,029	139,272	137,654
1890	1,242,779	2,464	257,323	1921	4,981,154	109,563	93,095
1895	1,913,751	3,602	279,576	1922	6,792,849	134,989	113,922
1900	2,921,708	7,511	199,909	1923	7,130,713	125,529	88,750
1905	3,635,257	34,238	161,159	1924	6,803,116	144,945	88,938
1910	4,242,792	49,013	137,103	1925	7,397,500	155,079	85,788
1915	5,352,409	80,474	122,326	1926	7,371,600	158,908	55,964
1916	6,362,906	84,065	122,079	1927	7,568,090	153,832	44,968
1917	6,978,177	113,993	64,922	1928	8,074,700	145,396	42,858
1918	7,238,744	136,783	40,290	1929	8,543,560	109,222	36,450

State or kind	1900	1910	1915	1920	1925	1928	1929
Production, total	2,921,708	4,242,792	5,352,409	6,480,029	7,397,500	8,074,700	8,543,560
By States:							
Michigan	1,009,487	1,323,283	1,762,430	2,262,915	2,172,600	2,405,240	2,650,220
New York	1,105,590	[1] 1,570,446	1,570,446	1,903,101	2,053,970	2,085,230	2,194,590
Ohio	199,540	514,339	823,234	1,057,802	1,173,590	1,308,110	1,449,360
Kansas	312,743	393,603	527,123	783,555	812,540	821,950	840,370
Louisiana		(1)	(2)	265,085	500,350	630,780	525,840
California	87,060	131,252	146,784	212,008	292,480	383,730	410,300
Texas	(2)	53,503	62,297	91,103	(2)	(2)	(2)
Utah	34,878	34,997	55,279	75,259	88,150	85,000	84,940
West Virginia	34,142	21,788	32,513	29,802	25,870	18,700	20,200
Porto Rico		(2)	(2)		12,060		(2)
Undistributed	138,268	140,093	372,303	159,299	265,890	335,160	367,660
By kinds:							
Manufactured (evaporated)	1,725,394	1,953,069	2,335,823	2,409,924	2,235,170	2,430,050	2,546,360
In brine	779,949	1,314,492	1,851,199	2,819,916	2,819,690	3,426,870	3,884,160
Rock salt	416,365	975,231	1,165,387	1,610,189	2,342,640	2,217,780	2,113,010
Total value (dollars)	6,944,603	7,900,344	11,747,686	29,894,075	26,162,361	26,772,563	27,334,695

[1] Louisiana is included with New York.

[2] Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

No. 799.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1920 TO 1929, AND IN THE SEVERAL BRANCHES, 1928

Branch of mineral industry	Average days active	Men employed		Man shifts	Number killed	Number injured	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured
1920	249	1,095,063	908,419	272,525,550	2,984	56,057	3.3	[1] 182.5
1921	188	1,044,001	653,414	196,024,209	2,381	36,416	3.6	[1] 198.0
1922	174	1,092,863	635,209	190,589,710	2,529	46,307	4.0	[1] 201.1
1923	222	1,153,894	852,145	255,643,525	3,071	59,570	3.6	[1] 203.9
1924	220	1,073,330	787,065	236,119,757	3,031	57,766	3.9	[1] 201.1
1925	222	1,049,579	777,896	233,368,875	2,826	58,704	3.6	[1] 197.2
1926	242	1,058,843	855,632	256,689,813	3,201	52,752	3.7	[1] 178.1
1927	225	1,044,537	782,635	234,790,290	2,797	45,618	3.6	[1] 163.2
1928	231	951,449	733,728	220,118,341	2,629	38,717	3.6	[1] 140.1
1928								
Coal mines	206	682,831	468,680	140,604,141	2,176	[2]	4.64	
All metal mines [3]	288	113,868	109,845	32,803,610	273	22,483	2.50	205.61
Copper mines	324	30,561	33,002	9,900,647	100	7,293	3.03	220.99
Gold, silver, and miscellaneous metal mines	289	31,622	30,441	9,132,215	79	8,180	2.60	268.72
Iron mines	267	29,145	25,956	7,786,884	56	2,547	2.16	98.13
Lead and zinc mines (Mississippi Valley)	251	10,334	8,659	2,597,581	14	2,560	1.62	295.65
Nonmetallic mineral mines	277	12,204	11,287	3,386,283	24	1,903	2.13	168.60
All quarries (including outside works)	272	89,667	81,325	24,397,377	119	10,568	1.46	129.95
Cement-rock quarries	320	22,315	23,809	7,142,679	25	1,161	1.05	48.76
Granite quarries	250	11,314	9,439	2,831,810	11	1,713	1.17	181.48
Limestone quarries	258	37,880	32,522	9,756,499	60	5,399	1.84	166.02
Marble quarries	288	6,777	6,505	1,951,383	7	718	1.08	110.38
Sandstone and bluestone quarries	230	3,849	2,949	884,536	3	473	1.02	160.50
Slate quarries	264	3,674	3,229	968,813	4	513	1.24	158.87
Trap-rock quarries	220	3,908	2,872	861,557	9	591	3.13	205.78
All quarries (excluding outside works	249	46,755	38,760	11,628,064	77	6,297	1.99	162.46
All quarries (outside works only)	298	42,909	42,565	12,769,313	42	4,271	.99	100.34
Metallurgical plants	348	45,695	52,668	15,800,284	44	4,654	.84	88.36
Ore-dressing plants	315	11,758	12,357	3,706,996	15	1,437	1.21	116.21
Smelters	358	20,393	24,310	7,293,096	18	1,906	.74	78.40
Auxiliary works	354	13,544	16,001	4,800,192	11	1,311	.69	81.93
All coke ovens	336	19,390	21,710	6,512,929	17	1,012	.78	46.61
Beehive coke ovens	216	3,161	2,279	683,794	3	160	1.32	70.21
By-product coke ovens	359	16,229	19,431	5,829,135	14	852	.72	43.85

[1] Excluding coal mines.
[2] Not available.
[3] Includes mines producing nonmetallic minerals other than coal.

No. 800.—FATAL ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

Class of plants and cause	1922	1923	1924	1925	1926	1927	1928	1929
Coal mines	1,984	2,462	2,402	2,234	2,518	2,231	2,176	2,187
Falls of roof (coal, rock, etc.)	788	1,058	941	977	1,093	1,015	918	990
Falls of face or pillar coal	120	109	121	103	121	134	150	192
Mine cars and locomotives	373	449	404	385	463	386	386	441
Explosions of gas or coal dust	311	372	536	345	422	247	376	195
Explosives [1]	93	115	99	102	96	110	74	88
Electricity (shock or burns)	83	83	96	100	112	114	93	94
Mining machines and machinery	41	49	38	44	35	38	39	41
Mine fires (burned, suffocated, etc.)			2	10	1	4	1	1
Shaft fatalities	41	46	29	34	35	29	25	29
Railway cars and locomotives	22	24	20	16	20	15	17	13
Other causes	112	157	116	118	120	139	98	103

[1] Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.

No. 800.—Fatal Accidents in Mineral Industries: By Causes—Contd.

Class of plants and cause	1922	1923	1924	1925	1926	1927	1928	1929
Metal mines[1]	344	367	418	371	430	352	273	(2)
Falls or slides of rock or ore	105	111	131	116	126	103	88	-------
Rock or ore (underground loading)	3	2	8	4	6	6	8	-------
Explosives	30	42	52	52	49	37	21	-------
Haulage	37	62	58	56	39	41	32	-------
Falls of persons	48	50	44	45	49	53	34	-------
Run or fall of ore (chute, pocket, or bins)	7	6	4	8	9	6	7	-------
Machinery, other than locomotives	11	11	9	7	5	14	8	-------
Electricity	7	12	13	20	21	10	10	-------
Mine fires and suffocation from natural gases	48	7	7	7	5	17	4	-------
Shaft fatalities, other than falls of persons	28	31	16	24	26	31	31	-------
Other causes	20	33	76	32	95	34	30	-------
Quarries	132	143	138	149	154	135	119	(2)
Falls or slides of rock or overburden	25	31	26	34	32	38	29	-------
Explosives	36	12	16	20	23	18	9	-------
Haulage	15	28	23	22	23	19	16	-------
Falls of persons	7	16	16	15	9	12	19	-------
Machinery	24	21	20	26	20	19	19	-------
Drilling and channeling	1	-------	1	1	-------	1	2	-------
Other causes	24	36	36	31	47	28	25	-------
Smelting plants	16	17	16	19	20	22	18	-------
Ore-dressing plants	12	24	20	17	13	17	15	-------
Coke ovens	20	45	24	28	51	25	17	-------

[1] Includes mines producing nonmetallic minerals other than coal. [2] Not yet available.

No. 801.—ACCIDENTS IN MINERAL INDUSTRIES: By Groups of Industries

Note.—Figures for metal mines include mines producing nonmetallic minerals other than coal

Year	Number employed		Killed	Injured		Year	Number employed		Killed	Injured	
	Actual number	Equivalent in 300-day workers		Temporary	Permanent		Actual number	Equivalent in 300-day workers		Temporary	Permanent
Metal mines:						**Metallurgical Plants—Con.**					
1915	152,118	141,997	553	34,686	609	1925	58,935	66,220	44	7,480	231
1919	145,262	134,871	468	31,178	328	1926	57,726	65,687	48	7,052	227
1920	136,583	134,540	425	32,205	357	1927	53,477	60,291	54	5,533	208
1921	93,929	74,510	230	18,424	180	1928	45,695	52,668	44	4,473	181
1922	105,697	97,138	344	25,840	240	**Coke ovens:**					
1923	123,279	121,866	367	33,129	434	1916	31,603	34,119	45	5,154	83
1924	123,128	119,113	418	32,706	412	1919	28,741	27,674	53	3,908	123
1925	126,713	123,908	371	34,458	674	1920	28,139	29,921	49	3,336	79
1926	127,823	123,870	430	29,773	577	1921	16,204	13,868	17	1,829	24
1927	119,699	113,447	352	24,605	528	1922	19,278	18,236	29	1,674	36
1928	113,866	109,345	273	21,914	569	1923	23,729	25,627	45	2,517	76
Quarries:						1924	20,451	20,681	24	1,607	38
1915	100,740	82,447	148	9,148	523	1925	23,254	24,054	28	1,652	44
1919	75,505	63,794	123	8,951	248	1926	23,115	24,288	51	1,874	48
1920	86,488	77,089	178	10,880	337	1927	20,067	23,223	26	1,232	53
1921	77,185	59,958	120	10,126	339	1928	19,390	21,710	17	979	33
1922	79,081	68,861	132	11,442	397	**Coal mines:**					
1923	92,455	85,153	143	14,547	443	1911	728,348	534,122	2,656	(1)	(1)
1924	94,242	84,426	138	14,307	470	1915	734,008	511,598	2,269	(1)	(1)
1925	91,872	83,487	149	13,713	452	1916	720,071	565,766	2,220	(1)	(1)
1926	91,140	82,361	154	12,770	431	1919	776,569	542,217	2,323	(1)	(1)
1927	91,517	82,609	135	13,099	365	1920	784,621	601,283	2,272	(1)	(1)
1928	89,667	81,325	119	10,207	361	1921	823,253	474,529	1,995	(1)	(1)
Metallurgical plants:						1922	844,807	405,056	1,984	(1)	(1)
1916	80,201	88,596	83	14,863	217	1923	862,536	560,000	2,462	(1)	(1)
1919	61,120	64,358	64	8,053	73	1924	779,613	499,896	2,402	(1)	(1)
1920	59,232	65,587	61	8,714	149	1925	748,805	480,227	2,234	(1)	(1)
1921	33,430	30,549	27	4,456	38	1926	759,033	559,426	2,518	(1)	(1)
1922	44,000	46,008	45	6,600	78	1927	759,177	503,065	2,231	(1)	(1)
1923	53,871	59,499	58	8,260	164	1928	682,831	468,680	2,176	(1)	(1)
1924	56,196	62,948	55	8,132	94	1929	(1)	(1)	2,181	(1)	(1)

[1] Not available.

Source of Tables 800 and 801: Bureau of Mines, Department of Commerce.

32.—MANUFACTURES

[Data in this section relate to continental United States. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products]

GENERAL NOTE.—Prior to 1890 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1809 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at $500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in Table 803 only), relate only to establishments having products valued at $5,000 or more. However, in 1921, establishments having products valued at $500 or more but less than $5,000, while constituting 21 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of products.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Tables 802 and 804 to 806. Other adjustments in previously published figures in the third section of Table 802 and in Tables 804 to 806 have been made as follows: (1) Data for "Coffee and spice, roasting and grinding," have been added, except for 1925, for which year such data were not tabulated; (2) data for "Poultry killing and dressing" have been deducted, as no data were collected for this industry for 1927. Also in Table 802 the figures for salaried employees and salaries for 1923 and 1925 have been adjusted by deducting the number of salaried employees and salaries for central administrative office employees. Data in regard to salaried employees of central administrative offices were not collected for 1927. These data for 1914, 1919, and 1921 are not available, and therefore no change was made for these years.

Figures for wages, cost of materials, etc., and value of products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages. Figures of total cost of materials, etc., and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

No. 802.—MANUFACTURES: SUMMARY, 1849 TO 1927

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries:									
1849	123	[1]	957	[2]	[1]	237	555	1,019	464
1859	140	[1]	1,311	[2]	[1]	379	1,032	1,886	854
1869	252	[1]	2,054	2,346	[1]	620	1,991	3,386	1,395
1879	254	[1]	2,733	3,411	[1]	948	3,397	5,370	1,973
1889	355	[1]	4,252	5,939	[1]	1,891	5,162	9,372	4,210
1899	512	[1]	5,306	10,098	[1]	2,321	7,344	13,000	5,656
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:									
1899	208	364	4,713	[2]	381	2,008	6,576	11,407	4,831
1904	216	520	5,468	13,488	574	2,610	8,500	14,794	6,294
1909	268	790	6,615	18,675	939	3,427	12,143	20,072	8,529
1914 [4]	273	963	7,024	22,421	1,274	4,068	14,359	24,217	9,858
Factories, excluding establishments with products valued at less than $5,000:									
1914	177	[5] 962	6,895	[5] 22,280	[5] 1,274	[5] 4,067	14,267	23,975	9,708
1919	214	[5] 1,438	8,998	[5] 29,324	[5] 2,880	[5] 10,460	37,197	62,000	24,803
1921	196	1,146	6,944	[2]	2,562	8,200	25,292	43,619	18,327
1923	196	1,269	8,777	33,092	2,806	11,008	34,684	60,530	25,846
1925	187	1,255	8,382	35,767	2,921	10,727	35,897	62,668	26,771
1927	192	1,301	8,350	38,826	3,230	10,849	35,133	62,718	27,585

[1] No comparable data.
[2] Not called for on schedule.
[3] Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.
[4] Includes data for "Poultry killing and dressing" industry.
[5] Includes data for all establishments reporting products valued at $500 or more. This item was not tabulated separately for establishments reporting products valued between $500 and $5,000.

Source: Bureau of the Census, Department of Commerce.

No. 803.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS [1]

NOTE.—Data for the "Coffee and spice, roasting and grinding" industry omitted for 1925 but included for other years. See general note, p. 791. Data by size of establishments were not compiled in 1927

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than $5,000:						
1925	(2)		(2)		(2)	
1923	(2)		(2)		(2)	
1921	[3] 53,999		[3] 40,924	0.6	[3] 136,926,075	0.3
1919	66,485		45,813	.5	167,085,044	.3
1914	97,060		120,623	1.8	233,381,081	1.0
$5,000 and over:						
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,300	100.0	8,778,156	100.0	60,555,998,200	100.0
1921	196,267	100.0	6,946,570	99.4	43,653,282,833	99.7
1919	224,620	100.0	9,050,559	99.5	62,250,993,729	99.7
1914	178,731	100.0	6,906,624	98.2	24,013,053,643	99.0
$5,000 to $20,000:						
1925	55,876	29.8	156,373	1.9	628,373,403	1.0
1923	61,981	31.6	189,738	2.2	697,996,736	1.1
1921	71,075	36.2	224,852	3.2	782,977,433	1.8
1919	87,440	38.9	249,722	2.7	945,602,857	1.5
1914	87,931	49.2	429,037	6.1	905,693,168	3.7
$20,000 to $100,000:						
1925	68,951	36.8	660,309	7.9	3,272,196,872	5.2
1923	72,370	36.9	718,746	8.2	3,426,433,520	5.7
1921	72,251	36.8	746,024	10.7	3,330,350,409	7.6
1919	77,911	34.7	793,528	8.7	3,571,283,301	5.7
1914	56,814	31.8	999,510	14.2	2,550,229,411	10.5
$100,000 to $500,000:						
1925	42,209	22.5	1,675,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,266	19.6	9,496,592,808	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,647	17.7	1,719,982	18.9	8,965,872,131	14.4
1914	25,847	14.5	[4] 3,002,071	[4] 42.7	5,742,376,392	23.7
$500,000 to $1,000,000:						
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	966,559	13.8	5,206,720,583	12.1
1919	9,208	4.1	1,114,615	12.3	6,407,131,823	10.4
1914	4,320	2.4	(4)	(4)	3,020,693,743	12.5
$1,000,000 and over:						
1925	10,583	5.6	4,760,229	56.8	42,366,941,140	67.6
1923	10,327	5.2	5,013,509	57.1	40,182,150,874	66.4
1921	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919	10,414	4.6	5,172,712	56.9	42,301,103,617	67.8
1914	3,819	2.1	2,476,006	35.2	11,794,060,929	48.6

[1] To make the percentages for the numbers of establishments comparable, those for all 5 years have been based on the numbers of establishments reporting products valued at $5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923 and 1925.

[2] No data for establishments with products under $5,000 in value have been tabulated for 1923 and 1925.

[3] The data for the 53,999 establishments in the "Less than $5,000" class are not included in other tables showing statistics for 1921.

[4] Data for $500,000 to $1,000,000 class and $100,000 to $500,000 class combined.

Source: Bureau of the Census, Department of Commerce.

No. 804.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, NUMBER AND RATED CAPACITY

NOTE.—"Total rated capacity" includes rented electric power, but not other rented power. No data for prime movers were collected for 1921. As to comparability of figures and adjustments in previously published figures, see general note. p. 791

Year, division, and industry group	Establishments reporting power equipment	Prime movers									Electric motors driven by current generated in establishments reporting		Electric generators	
		Total rated capacity (horsepower)	Steam engines and turbines		Internal-combustion engines		Water wheels and water turbines [1]		Electric motors driven by purchased current					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Kilowatts
United States:														
1927	174,118	38,825,681	73,382	16,923,931	12,664	1,170,774	7,594	1,598,666	2,151,675	19,132,310	790,810	11,219,979	19,028	7,345,685
1925	167,533	35,766,944	82,152	16,915,740	14,354	1,185,738	8,393	1,800,828	1,723,539	15,864,638	772,411	10,254,658	23,630	6,886,814
1923	173,415	32,092,222	90,041	16,700,442	15,718	1,224,172	9,293	1,803,310	1,425,492	13,364,298	616,387	8,821,403	(2)	(2)
1919 [3]	222,942	20,323,653	122,472	17,034,259	30,470	1,241,722	13,980	1,765,131	976,278	9,282,541	486,805	6,968,950	(2)	(2)
1927														
New England	16,396	4,566,155	6,480	1,788,870	644	25,373	2,778	761,858	245,279	1,990,048	128,102	1,257,859	2,739	1,007,732
Middle Atlantic	55,359	10,968,754	18,383	5,009,760	2,863	335,039	1,753	280,722	646,309	5,343,293	261,959	3,404,515	5,561	1,968,578
East North Central	39,681	11,056,846	17,208	4,041,504	2,639	395,407	1,083	226,204	617,071	5,493,731	244,560	3,975,818	5,293	2,442,419
West North Central	15,015	2,033,074	4,867	780,491	1,119	74,979	234	83,670	126,514	1,093,934	37,838	505,978	1,101	365,488
South Atlantic	15,462	3,805,098	9,838	1,554,492	1,943	160,606	1,184	153,987	207,386	1,935,953	55,864	857,516	1,534	670,652
East South Central	7,219	1,787,386	5,508	896,232	1,257	39,349	172	10,427	88,466	841,378	16,604	258,535	722	232,191
West South Central	7,672	1,419,553	5,254	703,629	1,195	92,071	110	4,510	52,399	524,348	14,188	330,708	964	227,388
Mountain	3,573	829,256	1,742	424,312	323	15,456	84	6,080	27,504	383,408	8,504	210,292	440	141,847
Pacific	13,741	2,359,614	4,102	729,095	681	32,494	196	71,208	140,747	1,526,217	23,191	418,758	584	289,390
Food and kindred products	46,564	4,134,973	14,367	1,489,750	3,959	185,969	1,861	104,373	277,779	2,354,875	65,441	632,279	3,062	474,371
Textiles and their products	24,873	4,173,438	4,486	1,796,153	261	15,056	2,148	427,563	415,648	1,934,666	149,844	1,055,750	2,720	1,005,723
Forest products	18,830	3,321,755	17,178	2,178,696	2,363	56,628	561	36,944	127,259	1,049,487	66,931	829,405	2,290	611,817
Paper and paper products	2,935	2,814,795	3,624	1,108,630	83	7,075	1,995	901,483	55,392	797,601	42,365	1,003,950	1,466	716,230
Printing, publishing, and allied industries	22,078	568,427	207	39,452	438	4,322	4	180	222,879	524,473	8,299	31,783	215	25,043
Chemicals and allied products	6,234	1,848,309	4,620	847,592	513	30,513	88	29,722	77,249	940,482	39,906	427,139	1,237	379,665
Products of petroleum and coal	1,301	1,513,314	9,217	1,009,562	579	68,067	2	210	18,535	435,469	18,649	504,204	487	289,768
Rubber products	495	700,622	388	260,152	9	337	23	3,415	27,507	517,718	13,888	208,362	182	165,618
Leather and its manufactures	3,958	419,501	1,123	208,939	72	4,243	39	3,912	43,565	202,497	20,488	134,103	554	114,978
Stone, clay, and glass products	7,996	2,709,131	3,556	954,945	1,702	101,450	148	29,637	76,313	1,623,099	27,846	730,171	1,124	523,481
Iron, steel, and products, excl. machinery	6,189	8,323,037	6,299	4,618,552	592	587,453	167	16,120	172,410	3,100,912	123,512	3,605,609	1,776	1,668,703
Nonferrous metals and their products	5,254	1,219,398	852	423,268	189	7,531	68	7,549	66,908	781,250	20,719	298,712	409	232,847
Machinery, excl. transportation equipment	11,758	3,009,205	2,392	747,475	981	59,250	346	20,354	270,484	2,182,186	112,038	865,413	1,510	502,631
Transportation equipment—air, land, water	2,484	2,027,686	1,410	555,038	322	10,901	25	9,297	152,365	1,446,450	58,550	473,944	662	351,015
Railroad repair shops	2,016	1,110,821	2,067	420,091	145	6,525	4	452	44,314	674,723	18,044	264,280	729	172,310
Miscellaneous	11,153	840,919	1,605	247,624	456	19,454	115	7,419	103,068	566,422	24,200	157,616	545	111,485

[1] Data for a small number of water motors included for 1919, but not for 1923, 1925, or 1927.
[2] Not called for on schedule.
[3] Includes data for establishments with products valued at less than $5,000. Statistics for 1923, 1925, and 1927 refer only to establishments with products valued at $5,000 or more.

Source: Bureau of the Census, Department of Commerce.

No. 805.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE.—See general note, p. 791. Due to a change in the classification of a number of the industries the figures for the majority of the groups differ from those previously published. The figures for 1899 are estimated in part, but are believed to be fairly comparable with those for later years

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
All industries	1927	191,866	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,224	8,381,511	10,727,338	35,896,886	62,068,260	26,771,373	35,766,944
	1923	196,182	8,776,646	11,007,851	34,683,915	60,529,574	25,845,659	33,092,222
	1921	196,098	6,944,315	8,200,350	25,201,734	43,618,566	18,326,832	(1)
	1919	274,402	9,039,171	10,459,743	37,252,715	62,151,721	24,899,005	29,323,053
	1914	272,402	7,022,332	4,067,096	14,347,730	24,203,598	9,855,868	22,288,970
	1899	207,514	4,712,763	(2)	6,575,851	11,406,927	4,831,076	(2)
1. Food and kindred products.	1927	49,787	679,320	823,388	8,113,453	11,015,860	2,902,427	4,134,973
	1925	47,947	662,010	791,049	7,709,917	10,373,082	2,663,166	3,876,268
	1923	51,720	680,627	794,125	6,969,064	9,497,627	2,528,563	3,721,019
	1921	51,944	624,363	744,301	6,093,612	8,232,413	2,138,801	(1)
	1919	69,227	731,524	772,679	10,216,615	12,706,643	2,490,028	3,199,090
	1914	67,287	535,083	302,719	3,895,981	4,964,844	1,068,863	2,501,702
	1899	46,590	321,016	(2)	1,782,767	2,228,346	445,579	(2)
2. Textiles and their products.	1927	26,843	1,694,416	1,759,958	4,922,716	8,050,473	4,027,757	4,173,438
	1925	24,450	1,628,283	1,654,814	5,349,925	9,126,155	3,776,230	3,980,522
	1923	26,763	1,715,293	1,743,708	5,394,441	9,462,282	4,067,841	3,783,401
	1921	25,955	1,509,738	1,472,352	3,801,090	6,956,465	3,155,375	(1)
	1919	28,451	1,610,003	1,481,143	5,379,388	9,210,933	3,831,545	3,248,364
	1914	23,350	1,505,912	675,782	2,013,738	3,444,810	1,431,073	2,717,078
	1899	6,663	1,022,123	(2)	894,846	1,628,606	733,760	(2)
3. Forest products	1927	20,163	862,667	929,790	1,633,938	3,457,427	1,823,489	3,321,755
	1925	21,926	921,266	978,472	1,725,351	3,689,127	1,963,776	3,472,970
	1923	21,678	931,816	962,595	1,666,395	3,633,386	1,966,991	3,336,236
	1921	21,398	703,360	670,462	1,197,628	2,456,857	1,259,229	(1)
	1919	41,201	864,001	850,872	1,368,341	3,113,460	1,745,119	3,409,746
	1914	43,466	855,294	446,897	765,936	1,616,453	850,517	3,176,436
	1899	36,050	671,696	(2)	480,930	1,007,532	526,602	(2)
4. Paper and paper products.	1927	2,989	225,506	273,571	1,084,932	1,799,780	714,848	2,814,795
	1925	2,743	222,745	264,692	921,659	1,560,480	638,821	2,575,520
	1923	2,704	219,955	251,242	879,938	1,466,229	586,291	2,314,533
	1921	2,618	185,572	203,547	670,408	1,082,331	411,923	(1)
	1919	2,696	208,518	213,099	721,225	1,251,974	530,748	1,967,614
	1914	2,477	167,825	89,422	315,459	522,716	207,257	1,697,624
	1899	1,957	95,101	(2)	107,884	198,743	90,859	(2)
5. Printing, publishing, and allied industries.	1927	25,416	327,534	584,766	752,469	2,846,078	2,093,609	568,427
	1925	23,810	314,021	540,824	692,576	2,583,205	1,890,629	485,274
	1923	23,095	307,064	491,808	664,481	2,306,059	1,641,579	428,996
	1921	22,759	281,684	433,883	661,963	2,068,233	1,406,271	(1)
	1919	33,728	301,531	351,623	586,977	1,762,859	1,175,882	370,168
	1914	34,732	285,181	207,144	265,809	934,090	668,291	341,449
	1899	24,704	203,643	(2)	106,682	409,164	302,482	(2)
6. Chemicals and allied products.[3, 4]	1927	7,541	253,436	317,908	1,803,085	3,351,802	1,548,808	1,848,309
	1925	7,282	244,812	296,526	1,830,592	3,211,230	1,380,639	1,748,481
	1923	7,197	246,527	288,854	1,702,944	2,933,562	1,230,617	1,654,228
	1921	7,348	199,596	224,333	1,352,904	2,225,917	873,013	(1)
	1919	10,732	329,053	364,884	2,269,338	3,803,753	1,534,414	1,720,521
	1914	11,461	258,413	164,421	1,011,125	1,964,630	953,505	1,459,062
	1899	13,453	254,451	(2)	483,730	1,083,498	599,769	(2)
7. Products of petroleum and coal.[4]	1927	1,418	141,655	217,485	2,262,699	3,060,226	797,527	1,513,314
	1925	1,582	136,366	210,034	2,356,583	3,230,009	873,425	1,241,877
	1923	1,650	138,330	212,882	1,981,370	2,778,888	797,518	1,092,914
	1921	1,560	115,006	180,452	1,760,805	2,372,030	611,235	(1)
	1919	1,684	131,759	185,599	1,635,920	2,289,170	653,250	709,597
	1914	1,782	90,882	60,882	474,558	721,656	247,098	464,659
	1899	1,214	51,784	(2)	143,490	235,949	92,458	(2)

[1] Not called for on schedule.
[2] Data not compiled for 1899 by groups.
[3] The fact that the increase in the "Chemicals and allied products" group is less than in most others is due to the decline in the production of alcoholic liquors which are included. For figures excluding alcoholic liquors see p. 804.
[4] Figures differ from those previously published because of a change in classification.

No. 205.—Summary by 16 General Groups of Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
8. Rubber products	1927	516	141,907	198,074	660,370	1,225,077	564,707	790,622
	1925	530	141,869	191,286	721,730	1,260,805	539,075	659,691
	1923	529	137,868	182,084	501,103	958,518	457,355	605,634
	1921	496	103,273	123,613	377,879	704,903	327,024	(1)
	1919	477	158,540	193,763	594,344	1,123,216	543,872	429,273
	1914	342	74,022	44,167	163,035	300,904	137,959	199,242
	1899	303	36,567	(2)	00,245	99,886	39,641	(2)
9. Leather and its manufactures.	1927	4,265	315,991	364,447	1,088,041	1,889,305	780,664	410,501
	1925	4,243	314,025	355,346	1,012,881	1,763,709	759,329	413,173
	1923	4,868	344,545	388,630	1,083,345	1,880,086	796,740	412,998
	1921	4,813	280,071	314,412	934,398	1,544,185	609,788	(1)
	1919	6,397	349,362	363,453	1,713,807	2,610,231	896,423	382,537
	1914	6,758	307,060	169,358	753,135	1,104,595	351,459	311,194
	1899	6,410	248,626	(2)	396,633	582,048	185,415	(2)
10. Stone, clay, and glass products.	1927	8,673	350,017	464,273	594,774	1,612,549	1,017,774	2,709,131
	1925	8,478	353,036	467,012	603,427	1,640,652	1,037,225	2,348,157
	1923	8,317	351,692	453,567	573,472	1,563,121	989,648	1,930,054
	1921	8,347	252,990	307,065	428,259	1,033,091	604,832	(1)
	1919	12,590	302,810	332,726	422,611	1,111,746	689,135	1,584,917
	1914	14,790	335,824	206,085	249,818	618,700	377,882	1,493,976
	1899	11,535	231,716	(2)	85,137	270,650	185,513	(2)
11. Iron and steel and their products, not including machinery.	1927	6,346	835,501	1,264,406	3,544,908	6,199,252	2,654,345	8,323,037
	1925	6,068	851,270	1,284,339	3,734,350	6,481,668	2,727,318	7,518,990
	1923	6,358	892,660	1,324,587	4,152,918	6,828,841	2,675,923	7,250,275
	1921	6,255	571,798	731,184	2,140,345	3,456,387	1,316,043	(1)
	1919	7,621	853,571	1,244,406	3,423,678	5,880,523	2,465,845	6,430,002
	1914	6,331	618,349	421,989	1,315,808	2,137,627	821,819	4,587,816
	1899	4,517	279,884	(2)	614,208	915,599	301,691	(2)
12. Nonferrous metals and their products.	1927	6,653	270,545	380,365	1,780,358	2,668,697	888,339	1,219,598
	1925	6,924	275,292	380,781	1,946,777	2,833,770	886,993	1,158,486
	1923	7,433	296,911	394,024	1,767,072	2,634,032	866,959	1,168,656
	1921	7,801	212,354	256,252	885,836	1,406,875	521,038	(1)
	1919	10,346	304,195	358,638	1,737,025	2,517,417	780,392	951,770
	1914	9,708	238,246	153,965	903,794	1,327,930	364,136	549,326
	1899	4,723	158,702	(2)	469,376	681,620	212,244	(2)
13. Machinery, not including transportation equipment.	1927	12,037	886,427	1,287,778	2,062,671	5,368,015	3,305,344	3,003,265
	1925	11,807	853,843	1,225,359	1,985,367	5,020,281	3,034,914	2,714,377
	1923	12,147	907,707	1,253,743	1,891,524	4,727,818	2,836,294	2,300,443
	1921	12,395	662,277	832,783	1,361,163	3,235,075	1,873,912	(1)
	1919	14,821	998,484	1,240,487	1,973,458	4,768,673	2,795,216	2,060,325
	1914	13,457	618,737	412,406	602,967	1,582,408	919,442	1,256,908
	1899	12,427	472,571	(2)	407,021	906,250	499,229	(2)
14. Transportation equipment, air, land, and water.	1927[3]	2,537	494,905	803,298	2,907,049	4,693,972	1,786,022	2,027,686
	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
	1923	3,873	666,328	963,930	3,394,505	5,333,479	1,938,975	1,624,468
	1921	4,273	405,773	591,334	1,803,011	3,018,154	1,215,143	(1)
	1919	6,768	858,582	1,259,014	3,200,602	5,627,263	2,426,661	1,453,804
	1914	7,818	312,502	230,615	639,703	1,137,423	497,630	602,459
	1899	9,825	182,318	(2)	187,890	355,615	167,725	(2)
15. Railroad repair shops.	1927	2,309	428,672	648,908	545,402	1,289,695	744,203	1,110,821
	1925	2,363	457,755	668,192	563,646	1,332,679	769,033	942,248
	1923	2,348	523,430	772,908	631,368	1,520,093	888,734	798,005
	1921	2,326	418,285	671,956	506,571	1,207,343	700,771	(1)
	1919	2,368	515,709	726,690	547,829	1,354,446	806,617	644,875
	1914	2,011	365,902	253,150	261,438	552,618	291,180	478,803
	1899	1,404	180,677	(2)	113,875	227,609	113,733	(2)
16. Miscellaneous industries.	1927	14,368	440,966	530,387	1,374,703	3,310,050	1,935,346	840,919
	1925	14,293	440,340	510,122	1,353,006	3,129,654	1,776,648	735,940
	1923	15,502	475,893	529,026	1,429,924	3,005,555	1,575,631	709,780
	1921	15,810	418,175	442,433	1,315,863	2,558,297	1,242,435	(1)
	1919	25,286	516,520	511,667	1,461,557	2,995,414	1,533,856	752,150
	1914	20,632	443,040	228,105	904,336	1,272,095	667,758	450,845
	1899	25,739	301,888	(2)	241,136	575,612	334,376	(2)

[1] Not called for on schedule.
[2] Data not compiled for 1899 by groups.
[3] The decrease in the 1927 figures was chiefly due to practical ceasing of operations of a large company for a few months of the year.

Source: Bureau of the Census, Department of Commerce.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

NOTE.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to its product of chief value, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. As to comparability of figures see general note, page 791. No data for horsepower were collected for 1921. Horsepower figures for 1919 and 1914 in certain industries differ from those in certain previous reports because of exclusion here and inclusion in the previous reports of data for purchased power other than electric. For totals for all industries and for 16 great groups see Table 805. Five census years have been shown for all industries that reported $200,000,000 or more in value of products or over 50,000 wage earners in 1927. For other industries 1914, 1925, and 1927 have been shown except as indicated by footnotes

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total.[1]	1927	11,774	189,645	249,881	3,815,254	4,563,036	747,782	965,363
	1925	11,697	187,183	242,072	3,713,754	4,453,477	739,723	870,194
	1923	12,449	203,548	254,414	3,238,978	3,951,221	712,242	783,488
	1921	11,160	180,535	229,636	2,657,977	3,241,845	583,868	
	1914	12,272	146,039	90,751	1,828,078	2,128,665	300,587	448,447
Butter	1927	3,519	20,096	25,533	637,337	739,011	101,674	145,973
	1925	3,493	17,758	22,263	603,397	683,593	80,196	126,872
	1923	3,553	20,312	24,950	549,558	640,474	90,916	126,351
	1921	3,444	18,506	22,929	407,501	479,724	72,223	
	1914	4,356	14,149	10,120	212,547	243,379	30,832	91,448
Cheese	1927	2,738	3,520	4,897	100,788	118,448	17,660	20,976
	1925	2,935	3,398	4,320	103,569	118,678	15,109	20,830
	1914	3,082	2,908	2,066	46,759	51,745	4,986	19,209
Condensed and evaporated milk.	1927	464	7,390	9,191	159,680	200,086	40,406	63,969
	1925	402	7,118	8,391	140,041	171,247	31,206	53,937
	1914	190	6,002	3,662	55,720	69,161	13,441	19,602
Ice cream	1927	2,961	21,927	33,108	150,602	301,645	151,043	200,315
	1925	2,790	23,043	33,457	140,864	286,176	145,312	189,328
	1923	2,762	23,132	32,435	145,307	259,967	114,660	109,730
	1921	2,528	20,209	28,237	121,170	213,262	92,092	
	1914	2,437	10,376	6,845	32,772	55,983	23,211	45,408
Slaughtering and meat packing, wholesale.	1927	1,250	119,095	161,584	2,663,740	3,057,216	393,475	489,576
	1925	1,269	120,422	159,355	2,625,192	3,050,286	425,094	441,516
	1923	1,397	132,792	167,569	2,176,010	2,585,804	409,794	382,127
	1921	1,184	117,042	152,903	1,868,108	2,200,942	332,744	
	1914	1,279	98,832	62,136	1,441,663	1,651,965	210,302	252,079
Sausage and sausage casings, not made in slaughtering and meat-packing establishments.	1927	505	4,967	7,464	60,216	81,548	21,333	19,980
	1925	489	4,914	7,652	61,497	82,436	20,939	18,184
	1914	533	2,616	1,820	17,926	23,083	5,157	7,840
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1927	337	12,650	8,106	42,892	65,082	22,191	18,574
	1925	319	10,630	7,234	39,194	61,061	21,867	19,527
	1914	395	11,156	4,103	20,692	33,349	12,657	12,861
Vegetable products and beverages, total.[1]	1927	38,013	489,875	573,506	4,298,179	6,452,824	2,154,645	3,169,610
	1925	36,250	474,827	548,377	3,996,163	5,919,606	1,923,443	3,006,074
	1923	39,271	477,079	539,711	3,730,085	5,546,406	1,816,321	2,937,531
	1921	40,784	443,828	514,666	3,435,634	4,990,567	1,554,933	
	1914	55,015	380,044	211,968	2,067,903	2,836,179	768,276	2,053,255
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.	1927	2,436	80,924	62,310	355,186	572,346	217,160	189,831
	1925	2,403	85,866	67,427	385,573	616,071	230,497	187,490
	1923	2,438	72,534	57,153	293,968	515,316	216,348	175,714
	1921	1,905	51,729	36,800	237,682	365,717	128,035	
	1914	3,825	62,915	23,095	138,966	210,091	71,125	106,487
Chocolate and cocoa products, not including confectionery.	1927	69	6,427	7,339	90,423	122,723	32,300	62,742
	1925	60	7,128	7,992	73,522	106,642	33,120	58,266
	1914	36	4,160	2,036	24,483	35,713	11,230	19,676
Coffee and spice,[2] roasting and grinding.	1927	784	8,195	9,537	284,653	384,281	99,629	42,542
	1923	729	9,665	10,016	224,843	297,528	72,684	37,358
	1921	712	8,882	9,372	166,249	226,059	59,810	
	1914	696	8,549	4,508	116,520	150,749	34,229	26,556

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Confectionery	1927	1,908	63,163	56,981	218,373	391,927	173,555	110,595
	1925	1,931	63,600	55,235	205,433	379,081	173,649	100,455
	1923	2,014	63,485	54,881	202,719	366,256	163,537	91,455
	1921	2,254	61,004	50,210	174,072	313,998	139,926	
	1914	2,317	51,610	20,044	93,693	153,685	59,992	52,379
Chewing gum	1927	40	2,524	2,727	27,168	62,001	34,834	10,097
	1925	41	2,180	2,538	17,968	47,838	29,870	7,712
	1914	74	2,048	828	7,322	17,160	9,838	3,030
Flavoring extracts, flavoring sirups, and bitters.	1927	500	5,011	7,134	51,001	107,219	56,129	27,963
	1925	431	3,890	5,078	47,064	94,212	47,148	23,313
	1914	566	2,390	1,150	13,904	26,696	12,792	3,526
Flour and other grain-mill products.	1927	4,035	29,982	37,559	972,711	1,148,760	176,049	641,608
	1925	4,413	31,988	39,700	1,125,379	1,298,015	172,636	669,910
	1923	5,232	35,194	41,704	885,972	1,048,578	162,606	709,850
	1921	6,485	35,378	43,143	993,810	1,170,740	186,930	
	1914	10,788	39,718	24,593	752,270	877,680	125,410	821,406
Bread and other bakery products.	1927	18,129	171,995	236,226	693,236	1,394,700	701,464	284,244
	1925	17,684	160,411	219,606	608,017	1,208,195	600,178	227,286
	1923	18,739	162,613	214,579	574,520	1,122,906	548,386	193,186
	1921	20,173	148,500	198,939	598,614	1,089,972	491,358	
	1914	25,903	124,052	76,867	274,257	491,893	217,636	106,797
Feeds, prepared, for animals and fowls.[5]	1927	447	7,632	9,703	244,876	299,793	55,117	115,855
Lard substitutes and vegetable cooking oils.[4]	1927	33	2,655	2,624	137,079	148,468	11,389	33,402
Macaroni, spaghetti, vermicelli, and noodles.[6]	1927	353	4,587	5,071	27,434	45,353	17,919	21,406
	1925	327	4,560	5,026	27,491	43,489	15,998	19,873
	1914	373	3,534	1,638	7,938	12,884	4,945	8,562
Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments.	1927	36	1,502	2,258	27,145	39,282	12,137	8,746
	1925	38	1,639	2,278	28,384	39,856	11,472	6,740
	1914	17	917	584	10,257	15,080	4,822	3,431
Food preparations, not elsewhere classified.[9]	1927	674	10,294	11,387	98,249	166,965	68,716	34,773
	1925	694	11,562	11,001	100,773	172,562	65,789	32,619
	1923	638	10,656	10,146	85,269	138,798	53,529	32,605
	1921	638	8,870	8,489	68,376	109,838	41,462	
	1914	814	6,944	3,521	35,923	55,858	19,936	17,346
Corn sirup, corn oil, and starch.	1927	26	6,972	10,490	90,906	134,461	43,555	81,003
	1925	30	6,492	9,378	93,064	132,898	39,834	72,617
	1914	89	4,509	3,550	40,208	52,615	12,407	41,454
Peanuts: Grading, roasting, cleaning, and shelling.[7]	1925	69	1,990	978	18,184	20,624	2,440	8,830
	1923	70	1,492	748	15,176	18,189	3,013	7,703
	1914	61	2,353	569	12,571	14,996	2,425	4,232
Peanuts, walnuts, and other nuts, processed.[8]	1927	144	7,376	3,287	45,890	55,950	10,059	13,956
Rice cleaning and polishing.	1927	60	1,524	1,546	46,481	54,130	7,649	23,012
	1925	63	1,296	1,098	45,847	53,498	7,651	21,906
	1914	59	1,253	646	20,616	23,039	2,423	15,571
Sugar, beet	1927	79	7,402	9,710	79,017	104,927	25,910	142,023
	1925	89	8,872	12,088	87,038	132,339	45,301	146,985
	1914	60	7,907	6,606	41,390	62,605	21,206	76,705
Sugar, cane, not including products of refineries.	1927	53	971	639	5,830	8,009	2,179	45,705
	1925	94	2,006	1,411	11,586	13,435	1,849	72,796
	1914	181	3,632	1,551	15,958	21,635	5,677	113,246
Sugar refining, cane	1927	21	13,996	17,707	551,594	597,446	45,851	86,979
	1925	21	14,502	18,955	549,896	605,633	55,737	89,098
	1923	20	15,254	20,044	681,880	726,241	44,361	72,082
	1921	20	15,457	19,463	426,601	466,602	40,001	
	1914	18	11,253	7,823	264,085	289,399	25,314	49,666
Malt	1927	23	500	904	17,187	20,274	3,087	15,300
	1925	28	568	903	19,986	24,069	4,083	15,259
	1914	97	1,989	1,823	39,199	48,133	8,934	32,494

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Vinegar and cider	1927	158	1,123	1,236	5,858	10,755	4,897	7,562
	1925	161	1,243	1,232	6,838	12,233	5,395	6,929
	1914	618	1,229	713	4,440	7,811	3,371	13,117
Cereal preparations [8]	1927	77	6,028	8,417	91,748	155,563	63,815	50,979
	1925	90	6,168	7,942	92,577	150,079	57,502	52,626
	1914	137	5,177	3,134	36,767	59,985	23,218	25,820
Beverages [9]	1927	4,769	26,972	36,101	95,430	242,694	147,264	153,731
	1925	4,210	27,384	36,053	93,466	237,761	139,295	168,805
	1923	4,514	29,274	37,689	99,572	228,730	129,158	221,202
	1921	3,867	33,202	45,652	116,102	237,623	121,526	
	1914	5,453	15,506	8,864	26,779	58,401	31,622	24,721
Ice, manufactured	1927	3,169	22,120	32,611	40,816	184,795	143,979	965,406
	1925	3,077	24,915	35,046	44,725	186,969	142,244	923,134
	1914	2,543	23,011	14,841	17,755	60,386	42,631	458,938
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total. [10]	1927	7,244	1,110,733	1,099,735	2,702,674	4,933,282	2,170,607	3,906,023
	1925	7,470	1,110,209	1,066,202	3,234,035	5,342,617	2,108,583	3,748,885
	1923	7,816	1,164,638	1,122,751	3,213,272	5,527,557	2,314,285	3,556,440
	1921	7,241	993,557	896,373	2,136,803	3,896,449	1,759,646	
	1914	5,942	950,850	404,606	1,185,091	1,935,344	750,253	2,522,862
Cotton goods	1927	1,347	467,596	380,910	871,592	1,567,401	695,809	2,358,830
	1925	1,366	445,184	353,883	1,077,163	1,714,368	637,215	2,236,363
	1923	1,375	471,503	396,603	1,147,372	1,901,126	753,754	2,158,209
	1921	1,328	412,058	328,227	707,442	1,278,221	570,779	
	1914	1,179	379,366	146,130	431,603	676,569	244,966	1,563,823
Cotton small wares [11]	1927	220	14,958	15,333	32,222	64,820	32,598	20,205
	1925	230	16,162	15,547	41,816	74,675	32,859	33,760
	1923	228	16,387	15,957	38,615	73,223	34,608	31,926
Lace goods	1927	43	6,482	7,585	11,392	27,208	15,906	11,300
	1925	42	7,006	7,620	13,361	30,844	17,482	9,507
	1914	41	7,440	3,468	5,677	13,207	7,530	8,817
Knit goods	1927	1,869	190,283	188,163	424,099	816,620	392,521	177,216
	1925	1,987	186,668	168,683	453,926	809,960	356,034	176,630
	1923	2,323	194,244	168,272	484,020	848,177	364,157	183,675
	1921	2,078	161,880	132,190	360,458	634,074	273,616	
	1914	1,622	150,520	59,758	146,687	258,913	112,226	122,919
Silk manufactures	1927	1,648	127,643	140,054	445,391	750,124	304,733	221,249
	1925	1,559	132,509	142,734	484,123	808,979	324,857	212,609
	1923	1,598	125,234	126,849	479,038	761,322	282,284	206,020
	1921	1,565	121,378	113,396	337,559	583,419	245,860	
	1914	902	108,170	47,109	144,442	254,011	109,569	111,417
Woolen goods	1927	471	61,790	72,156	172,700	301,309	128,609	101,703
	1925	503	67,056	82,436	219,618	361,524	141,906	193,080
	1923	513	72,408	87,314	201,548	364,288	162,740	180,657
	1921	493	56,434	62,893	120,276	230,945	110,669	
	1914	501	49,165	24,204	63,696	103,816	40,120	133,052
Worsted goods	1927	288	92,571	101,666	329,408	516,670	187,262	364,422
	1925	329	98,168	108,835	400,784	599,266	195,483	377,215
	1923	338	122,144	135,671	421,184	698,271	277,087	357,808
	1921	321	105,930	112,001	279,770	524,639	244,869	
	1914	298	109,527	51,749	182,801	275,668	92,868	242,521
Felt goods, wool or hair	1927	50	5,452	6,653	23,280	41,895	18,606	23,479
	1925	50	5,146	6,404	26,354	43,776	17,421	23,478
	1914	53	4,035	2,089	8,308	13,693	5,385	14,016
Hats, wool-felt	1927	17	2,185	2,284	4,785	9,382	4,597	2,422
	1925	22	1,854	1,986	5,123	8,949	3,826	2,550
	1914	30	1,249	600	978	1,945	967	3,091
Hats, fur-felt	1927	146	15,927	22,887	51,105	99,300	48,195	20,526
	1925	146	15,156	20,466	40,124	80,066	39,942	17,948
	1914	224	21,318	12,071	16,947	37,350	20,403	20,774
Carpets and rugs, wool, other than rag.	1927	65	32,829	42,041	85,602	166,888	81,287	65,828
	1925	69	33,886	43,383	104,196	187,779	83,583	63,008
	1914	97	31,309	14,716	42,280	69,128	26,848	42,794

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES, ETC.—Con.								
Wool shoddy	1927	55	1,679	1,916	7,981	12,597	4,616	15,353
	1925	68	2,218	2,609	14,012	21,022	6,109	15,435
	1914	64	2,145	1,056	5,300	7,707	2,407	12,244
Wool pulling	1927	18	524	769	12,466	14,640	2,174	2,403
	1925	23	573	841	13,637	15,209	1,572	2,706
	1914	34	708	452	6,632	8,273	1,641	2,248
Wool scouring	1927	25	1,386	1,932	3,010	6,662	3,652	7,935
	1925	25	1,112	1,601	2,527	5,831	3,304	7,823
	1914	24	1,059	617	3,176	4,565	1,389	7,579
Cordage and twine	1927	116	15,084	13,674	56,105	89,172	33,067	74,924
	1925	118	15,400	14,019	66,848	100,448	33,600	77,563
	1914	105	15,769	6,996	43,505	59,762	16,157	55,272
Jute goods	1927	23	5,358	4,987	11,802	23,186	11,384	36,210
	1925	23	6,312	5,640	14,567	27,517	12,951	28,753
	1914	34	7,987	3,060	12,580	16,514	3,934	28,533
Flax and hemp, dressed	1927	7	62	51	116	283	167	654
	1925	9	82	89	244	459	215	1,457
	1914	16	116	45	185	283	98	832
Linen goods	1927	18	2,530	2,545	5,409	10,377	4,968	11,473
	1925	18	2,607	2,462	6,394	11,157	4,762	12,119
	1914	21	3,567	1,386	4,289	6,960	2,671	9,932
Mats and matting, grass and coir.	1927	7	422	398	669	1,537	868	1,425
	1925	10	902	767	1,526	3,492	1,965	2,147
	1914	12	869	455	1,170	2,236	1,066	1,643
Haircloth	1927	16	385	480	2,689	3,616	927	1,312
	1925	15	355	387	1,897	2,746	849	1,058
	1914	19	595	290	1,654	2,396	742	1,589
Dyeing and finishing textiles.	1927	743	73,851	91,697	210,681	406,047	195,366	287,212
	1925	697	70,749	83,983	220,678	408,515	187,837	252,701
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
	1921	599	51,510	58,139	141,199	276,751	135,552	----------
	1914	507	48,467	24,872	56,705	109,292	52,587	129,327
Cloth, sponging and refinishing.	1927	52	736	1,502	161	3,458	3,297	933
	1925	61	931	1,889	203	3,889	3,685	975
	1914	51	901	658	133	1,531	1,398	677
Wearing apparel made from purchased fabrics, total.	1927	15,486	501,656	578,152	1,771,890	3,391,881	1,619,990	120,723
	1925	14,883	466,846	534,823	1,741,618	3,243,849	1,502,231	119,744
	1923	16,004	499,413	568,130	1,852,229	3,443,940	1,591,711	132,317
	1921	16,784	473,574	534,312	1,424,284	2,710,657	1,286,373	----------
	1914	14,953	510,595	250,114	673,013	1,297,273	624,260	117,911
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified.[12]	1927	3,562	146,099	184,613	447,245	932,182	484,937	34,351
	1925	3,491	141,511	179,045	471,501	946,274	474,773	33,207
	1923	4,024	158,173	207,252	483,927	1,016,722	532,795	40,250
	1921	4,539	165,206	201,882	447,545	934,776	487,231	----------
	1914	4,830	173,747	86,828	230,032	458,211	228,179	35,252
Clothing, work (except shirts), men's.[12]	1927	556	40,612	29,946	85,134	147,289	62,155	11,218
	1925	509	32,821	24,803	85,969	140,904	54,904	11,542
	1923	583	36,947	28,235	100,877	161,993	61,116	12,392
Clothing, men's, buttonholes.	1927	40	412	429	98	918	820	132
	1925	30	327	347	71	658	587	87
	1914	139	672	326	90	638	548	205
Shirts	1927	907	57,216	42,993	129,744	241,650	111,906	14,916
	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	934	51,672	37,943	139,354	241,331	101,977	14,050
	1921	860	45,427	33,182	123,259	203,944	80,685	----------
	1914	792	51,972	19,170	50,665	95,815	45,150	17,117
Furnishing goods, men's, not elsewhere classified.[13]	1927	534	25,183	22,070	82,839	145,474	62,635	7,190
	1925	419	21,094	17,438	69,861	120,868	51,006	4,977
	1914	551	22,459	8,416	31,593	52,453	20,860	5,840

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES, ETC.—Con.								
Collars, men's	1927	24	3,270	2,967	5,867	13,264	7,398	3,131
	1925	28	7,187	5,503	11,702	27,588	15,705	4,497
	1914	35	10,100	4,494	6,566	18,531	11,965	3,359
Gloves and mittens, cloth or chiefly cloth, made from purchased fabrics.[13]	1927	131	10,296	6,670	17,392	30,202	12,810	4,112
	1925	139	9,061	5,709	17,977	29,532	11,554	4,102
	1923	129	8,864	5,296	18,292	28,126	9,834	3,143
Suspenders, garters and elastic woven goods, made from purchased webbing.[11]	1927	91	4,061	3,529	16,260	26,985	10,726	983
	1925	93	3,835	3,072	16,500	27,504	11,004	876
	1923	100	3,458	2,892	13,934	24,207	10,363	809
Hats and caps, except felt and straw.	1927	568	6,300	9,126	20,702	41,214	20,512	1,999
	1925	579	6,552	9,243	22,699	43,823	21,124	1,876
	1914	580	7,322	4,508	9,268	18,593	9,325	1,313
Clothing, women's, exclusive of corsets and allied garments made in knitting mills.	1927	7,588	154,459	211,350	809,520	1,494,401	684,881	30,287
	1925	6,127	126,466	175,045	724,299	1,293,705	569,406	24,316
	1923	7,040	133,195	176,446	809,561	1,406,684	597,123	27,704
	1921	7,061	144,865	185,082	567,810	1,022,743	454,933	
	1914	6,564	108,907	92,574	252,345	473,888	221,543	27,874
Corsets and allied garments.	1927	222	13,778	12,402	35,394	77,218	41,824	7,819
	1925	185	14,525	12,394	37,808	77,115	39,307	8,394
	1914	167	20,496	7,977	19,587	40,551	20,964	6,962
Handkerchiefs[14]	1927	115	6,659	5,264	18,205	31,588	13,383	2,665
Millinery[15]	1927	1,148	33,311	46,788	103,490	209,495	106,005	7,920
Other articles made from purchased fabrics, total.[1]	1927	4,113	73,027	82,071	388,151	625,310	237,159	140,692
	1925	2,097	51,228	53,729	374,272	539,689	165,417	117,893
	1923	2,043	51,242	52,908	328,941	490,785	161,844	94,044
	1921	1,930	42,607	41,667	240,003	349,360	109,357	
	1914	2,455	44,437	21,063	155,633	212,195	56,562	76,305
Awnings, tents, sails, and canvas covers.	1927	963	6,543	8,229	24,410	47,929	23,520	4,850
	1925	905	6,249	7,501	27,453	48,560	21,116	4,564
	1914	888	5,073	2,964	10,156	18,138	7,983	2,602
Bags, other than paper, not made in textile mills.	1927	181	11,164	9,548	136,748	162,950	26,201	15,754
	1925	162	11,404	9,332	150,102	175,082	24,980	15,295
	1914	138	9,358	3,789	67,022	79,049	12,027	10,881
Belting, other than leather and rubber, made from purchased fabrics.[11]	1927	11	343	411	1,490	3,212	1,722	1,457
	1925	11	254	264	1,596	3,112	1,516	914
	1923	13	335	351	1,674	3,312	1,638	930
Embroideries[16]	1927	1,069	8,964	10,962	7,960	32,419	24,459	2,930
Trimmings (not made in textile mills) and lace-trimmed articles, not elsewhere classified.[14]	1927	773	9,495	11,989	33,350	64,423	31,073	3,864
Horse blankets, fly nets, and related products.	1927	16	660	574	1,878	3,379	1,501	1,421
	1925	20	694	564	2,535	3,897	1,362	1,773
	1914	37	1,669	668	3,569	5,150	1,581	1,903
Flags and banners	1927	46	1,046	808	2,282	4,536	2,254	700
	1925	49	1,031	890	2,332	4,588	2,256	629
	1914	87	1,495	600	1,750	3,601	1,851	637
Regalia, badges, and emblems.	1927	76	1,675	1,760	3,019	7,691	4,672	1,015
	1925	85	1,992	2,033	3,962	9,623	5,661	1,068
	1914	138	2,010	980	2,205	5,025	2,820	655
Hat and cap materials, men's.	1927	96	2,762	2,659	15,672	23,339	7,668	5,158
	1925	89	2,127	2,413	15,218	22,049	6,831	5,141
	1914	98	1,775	804	5,052	6,929	1,877	2,946
Nets and seines	1927	21	869	776	3,348	5,401	2,053	1,162
	1925	21	885	762	3,479	5,157	1,678	1,190
	1914	15	1,058	379	2,257	3,088	831	1,934

For footnotes see p. 819.

No. 806.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES, ETC.—Con.								
House-furnishing goods, not elsewhere classified.	1927	548	11, 601	10, 947	52, 705	87, 677	34, 972	12, 907
	1925	433	9, 307	9, 143	51, 079	78, 655	27, 576	10, 702
	1914	370	6, 935	3, 306	17, 391	26, 458	9, 062	11, 278
Carpets and rugs, rag	1927	110	1, 633	1, 678	1, 636	5, 890	4, 254	2, 005
	1925	139	1, 901	1, 876	1, 042	5, 710	3, 767	2, 349
	1914	463	2, 130	995	722	2, 786	2, 064	2, 656
Linoleum [16]	1927	7	5, 304	8, 177	24, 216	47, 442	23, 227	41, 432
	1925	6	4, 872	6, 393	19, 967	44, 999	25, 033	31, 840
	1914	18	4, 428	2, 604	11, 252	17, 602	6, 350	18, 782
Oilcloth	1927	8	1, 072	1, 746	11, 819	17, 642	5, 824	3, 565
	1925	9	1, 160	1, 675	13, 549	17, 843	4, 294	3, 484
	1914	13	1, 223	609	6, 524	7, 996	1, 472	3, 490
Artificial leather	1927	19	2, 730	4, 007	21, 828	34, 228	12, 400	14, 467
	1925	18	2, 659	3, 801	31, 238	40, 932	9, 693	10, 593
	1914	10	795	485	4, 108	6, 097	1, 989	1, 674
Asphalted-felt-base floor coverings. [16]	1927	12	2, 442	3, 695	10, 186	34, 101	17, 914	8, 904
	1925	11	2, 404	3, 338	14, 930	32, 532	17, 602	9, 575
	1923	9	1, 682	2, 204	9, 140	25, 280	16, 140	2, 700
Upholstering materials, not elsewhere classified.	1927	39	1, 080	1, 162	6, 556	9, 673	3, 117	4, 482
	1925	34	1, 196	1, 174	5, 123	7, 998	2, 875	3, 380
	1914	70	2, 454	1, 101	5, 285	7, 879	2, 594	6, 198
Waste [17]	1927	118	3, 404	2, 853	23, 049	33, 377	10, 328	14, 529
	1925	105	3, 033	2, 570	20, 766	38, 943	9, 177	13, 664
	1914	79	3, 082	1, 230	15, 473	17, 959	2, 486	8, 506
FOREST PRODUCTS								
Basic industries, total.	1927	8, 723	453, 131	431, 496	508, 680	1, 259, 370	750, 690	1, 795, 875
	1925	10, 286	497, 803	473, 085	593, 935	1, 498, 427	874, 493	2, 064, 631
	1923	10, 671	531, 545	492, 617	584, 802	1, 534, 991	950, 188	1, 944, 962
	1921	10, 233	392, 756	323, 977	386, 881	930, 015	543, 134	
	1914	28, 722	515, 780	249, 118	288, 890	738, 816	449, 926	2, 203, 552
Excelsior	1927	64	1, 272	1, 181	2, 547	4, 821	2, 274	10, 930
	1925	72	1, 300	1, 180	2, 573	4, 901	2, 328	11, 993
	1914	99	1, 177	558	1, 403	2, 516	1, 113	10, 715
Lumber and timber products, not elsewhere classified.	1927	7, 510	413, 946	413, 362	493, 950	1, 214, 646	720, 687	1, 781, 734
	1925	9, 207	467, 090	456, 716	579, 475	1, 421, 162	841, 687	2, 049, 500
	1923	9, 393	495, 932	475, 962	573, 064	1, 494, 462	921, 398	1, 932, 091
	1921	9, 092	364, 247	313, 487	377, 927	902, 501	524, 574	
	1914	27, 229	479, 786	230, 977	281, 952	715, 310	433, 358	2, 190, 359
Turpentine and rosin	1927	1, 140	37, 913	16, 953	12, 173	39, 903	27, 730	3, 211
	1925	1, 007	29, 413	15, 190	11, 887	42, 364	30, 477	3, 138
	1914	1, 304	34, 817	8, 583	5, 536	20, 990	15, 454	2, 478
Wood reworking industries, total.	1927	5, 389	113, 824	145, 542	351, 547	653, 934	302, 388	706, 207
	1925	5, 527	127, 519	164, 482	431, 397	778, 051	346, 654	659, 953
	1923	4, 963	120, 239	151, 573	430, 991	762, 017	331, 026	553, 302
	1921	5, 118	91, 924	110, 717	298, 050	518, 386	220, 336	
	1914	6, 955	113, 117	71, 000	198, 996	340, 476	141, 479	466, 155
Lumber: Planing-mill products, not made in planing mills connected with sawmills.	1927	4, 561	96, 589	126, 140	321, 443	581, 634	260, 190	630, 074
	1925	4, 761	111, 329	146, 592	403, 227	710, 861	307, 635	597, 103
	1923	4, 215	103, 008	133, 329	401, 174	692, 784	291, 610	493, 424
	1921	4, 360	78, 033	95, 954	272, 082	462, 649	190. 567	
	1914	5, 841	96, 214	61, 949	184, 227	307, 672	123, 445	410, 259
Window and door screens and weather strip.	1927	214	3, 661	4, 806	9, 304	22, 643	13, 339	11, 520
	1925	183	3, 803	4, 687	9, 545	22, 398	12, 853	10, 674
	1914	220	3, 194	1, 894	4, 261	9, 167	4, 906	8, 128
Wood, turned, and shaped, n. e. c.	1927	555	11, 856	12, 093	18, 294	42, 128	23, 834	56, 358
	1925	521	10, 352	10, 190	15, 576	35, 491	19, 915	44, 664
	1914	828	11, 615	5, 645	9, 166	19, 047	9, 881	42, 541
Lasts and related products.	1927	59	1, 718	2, 504	2, 505	7, 529	5, 024	7, 655
	1925	62	2, 035	3, 012	3, 949	9, 301	6, 252	7, 512
	1914	66	2, 094	1, 511	1, 343	4, 589	3, 246	5, 227

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOREST PRODUCTS—Continued								
Wooden container industries, total	1927	1,648	56,124	52,721	134,471	235,578	101,107	192,489
	1925	1,762	57,961	55,671	142,775	249,612	106,837	192,281
	1923	1,872	62,121	58,271	154,804	265,501	110,696	200,457
	1921	1,872	51,923	45,796	125,865	204,779	78,914	
	1914	3,090	66,085	31,588	93,052	151,500	58,447	174,068
Boxes, wooden, except cigar boxes.	1927	748	30,797	29,250	75,707	133,993	58,195	135,637
	1925	824	34,834	33,765	86,391	152,295	65,903	143,519
	1914	1,174	38,548	18,206	52,840	86,567	33,727	124,249
Boxes, cigar, wooden	1927	136	4,577	3,925	5,621	12,909	7,288	5,478
	1925	155	4,336	3,967	5,450	12,925	7,474	5,210
	1914	238	5,835	2,299	4,269	8,337	4,068	5,251
Cooperage	1927	528	11,455	12,937	43,821	66,947	23,126	33,553
	1925	553	11,483	12,908	44,176	67,735	23,559	30,758
	1914	1,250	17,128	9,161	32,944	50,017	17,073	38,177
Baskets and rattan and willow ware, not including furniture.	1927	236	9,205	6,608	9,231	21,729	12,498	17,821
	1925	230	6,808	5,033	6,758	16,658	9,900	12,794
	1914	419	4,574	1,923	2,999	6,578	3,579	7,231
Furniture and related industries, total.	1927	3,587	201,497	256,169	423,935	964,470	540,535	477,958
	1925	3,601	195,643	244,886	418,235	951,170	532,935	434,238
	1923	3,434	182,014	222,461	372,545	851,801	479,256	309,484
	1921	3,449	134,937	157,215	279,041	606,239	327,198	
	1914	3,964	142,280	80,809	138,396	302,571	164,174	258,354
Furniture, including store and office fixtures.[18]	1927	3,222	186,302	236,109	389,390	879,706	490,317	445,179
	1925	3,229	181,016	225,208	384,875	868,720	483,845	402,719
	1923	3,047	168,157	204,566	342,443	776,847	434,404	344,954
	1921	3,038	124,362	144,148	253,706	550,413	296,707	
	1914	3,338	130,423	73,402	124,096	271,610	147,514	230,952
Refrigerators and refrigerator cabinets, excl. of mechanical refrigerating equipment.	1927	155	9,551	12,617	25,095	58,163	33,068	24,216
	1925	167	9,360	12,589	24,744	57,666	32,922	23,207
	1914	134	5,617	3,572	7,343	15,052	7,709	11,151
Billiard and pool tables, bowling alleys, and accessories.	1927	34	1,184	1,550	2,304	7,112	4,778	2,335
	1925	33	1,037	1,354	1,781	5,614	3,834	2,120
	1914	54	1,453	985	2,488	4,894	2,406	3,197
Mirror and picture frames.	1927	166	4,460	5,893	7,056	19,489	12,432	6,228
	1925	162	4,230	5,646	6,885	19,170	12,335	6,102
	1914	433	4,787	2,850	4,408	11,014	6,546	4,054
Other allied products, total.	1927	816	38,091	43,860	215,307	344,075	128,769	149,226
	1925	750	35,432	40,347	139,009	241,866	102,857	121,807
	1923	738	35,897	37,673	123,252	219,076	95,824	127,535
	1921	726	31,820	32,727	107,790	197,437	89,647	
	1914	735	28,032	14,382	46,601	83,091	36,491	73,407
Caskets, coffins, burial cases, and morticians' goods.	1927	340	11,665	14,421	33,327	74,891	41,563	31,105
	1925	326	11,479	14,057	32,771	70,413	37,641	29,164
	1914	287	9,468	5,382	13,257	26,325	13,068	18,960
Rules, wood, metal, and other.[19]	1923	11	219	218	239	759	520	714
	1914	10	408	224	187	634	447	441
Cork products	1927	27	3,185	3,560	9,395	17,369	7,974	11,683
	1925	33	3,207	3,538	7,269	16,020	8,752	11,084
	1914	52	3,454	1,582	4,751	7,875	3,124	5,786
Matches	1927	19	3,905	4,131	11,884	24,906	13,022	17,607
	1925	25	4,627	4,707	12,013	23,741	10,828	16,314
	1914	20	3,800	1,758	5,202	12,556	7,354	7,457
Pulp goods	1927	44	2,996	3,783	11,375	23,950	12,575	17,158
	1925	35	3,017	3,787	10,286	20,270	9,984	11,338
	1914	24	1,654	884	2,191	4,483	2,292	8,820
Wood preserving	1927	193	12,259	13,726	141,555	184,558	43,003	50,606
	1925	131	8,416	9,606	66,709	91,184	24,475	33,521
	1914	68	2,830	1,785	16,060	21,065	4,995	11,551
Wooden goods, not elsewhere classified.	1927	193	4,081	4,240	7,770	18,402	10,632	21,067
	1925	200	4,596	4,672	9,060	20,238	11,177	20,446
	1914	274	6,418	2,767	4,952	10,102	5,210	20,383

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PAPER AND PAPER PRODUCTS								
Paper and wood pulp.	1927	929	123,360	162,002	724,111	1,138,090	413,979	2,642,806
	1925	763	123,842	160,146	605,860	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
	1921	733	105,294	127,029	445,992	667,436	221,444	
	1914	718	88,457	53,246	213,181	332,147	118,966	1,611,054
Paper [20]	1927	710	98,566	136,475	572,786	919,891	347,106	[21]2,642,806
Wood pulp [20]	1927	219	24,794	31,527	151,325	218,198	66,873	([21])
Manufactures of paper, total [1]	1927	2,060	102,146	111,569	360,821	661,690	300,869	171,989
	1925	1,980	98,903	104,546	315,798	588,597	272,799	148,510
	1923	1,953	99,278	99,765	306,210	558,882	252,672	135,910
	1921	1,880	80,278	76,518	224,416	414,895	190,480	
	1914	1,750	79,368	36,176	102,278	190,569	88,291	85,670
Bags, paper, exclusive of those made in paper mills.	1927	83	6,463	6,394	40,735	57,490	16,755	9,336
	1925	66	5,585	5,524	29,957	45,978	16,021	6,414
	1914	50	3,505	1,659	12,201	17,603	5,402	3,677
Boxes, paper and other, not elsewhere classified.	1927	1,219	56,398	57,701	193,464	306,555	138,091	81,300
	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,855	53,966	144,080	264,209	120,129	61,687
	1921	1,191	46,242	40,477	88,268	174,248	85,980	
	1914	1,043	45,311	18,705	36,268	74,711	38,443	37,340
Labels and tags	1927	121	6,141	8,660	16,259	34,308	18,138	6,869
	1925	113	5,356	6,730	13,096	28,045	14,950	4,808
	1914	103	2,660	1,459	2,908	6,584	3,676	2,155
Paper patterns	1927	17	1,069	1,418	2,560	13,782	11,213	1,101
	1925	16	1,243	1,695	2,601	13,665	11,064	813
	1914	25	1,073	577	626	3,026	2,400	356
Card cutting and designing.	1927	60	2,024	2,707	7,544	16,871	9,327	3,915
	1925	49	1,056	1,084	2,436	6,201	3,765	1,355
	1914	58	517	265	421	1,055	634	441
Cardboard, not made in paper mills.	1927	9	658	849	2,568	5,581	2,713	1,779
	1925	13	978	1,188	3,475	7,288	3,813	1,705
	1914	18	1,159	580	2,962	4,350	1,388	2,085
Envelopes	1927	153	9,745	10,755	28,973	56,006	27,033	11,391
	1925	135	9,052	9,987	27,423	51,189	23,766	10,238
	1914	90	5,970	3,378	10,235	18,481	8,246	5,196
Wall paper	1927	53	4,811	5,981	14,612	30,059	15,447	13,343
	1925	49	5,039	5,863	14,999	30,069	15,070	11,528
	1914	48	4,738	2,703	8,536	15,887	7,351	6,930
Paper goods, not elsewhere classified.	1927	340	14,837	17,705	78,797	140,948	62,151	42,955
	1925	310	13,386	15,403	70,700	124,217	53,517	35,324
	1914	310	13,495	6,850	28,120	48,871	20,751	20,890
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing. [1]	1927	22,541	261,671	473,221	661,959	2,507,426	1,845,467	481,194
	1925	21,050	251,272	438,833	610,059	2,269,538	1,659,480	408,208
	1923	20,452	246,455	399,388	585,936	2,021,356	1,435,420	357,048
	1921	20,318	229,489	356,671	589,279	1,827,809	1,238,530	
	1914	31,612	228,369	167,548	226,582	810,508	583,926	295,567
Printing and publishing, book and job.	1927	11,449	141,278	240,393	250,487	906,469	655,982	193,617
	1925	10,322	133,316	219,830	228,690	806,887	578,197	169,283
	1923	10,075	129,890	201,217	220,203	738,227	518,024	152,363
	1921	9,758	121,055	181,066	216,139	690,975	473,936	
	1914	12,115	113,121	78,414	96,453	307,331	210,878	113,210
Printing and publishing, music.	1927	119	994	1,678	1,658	15,882	14,223	1,343
	1925	109	955	1,462	1,828	15,090	13,261	1,363
	1914	180	873	573	1,047	7,271	6,224	594
Printing and publishing, newspaper and periodical.	1927	10,973	119,399	231,151	409,814	1,585,076	1,175,262	286,234
	1925	10,625	117,091	217,541	379,541	1,447,661	1,068,120	237,662
	1923	10,267	115,646	196,804	363,480	1,268,502	905,022	203,454
	1921	10,453	107,534	174,359	371,124	1,123,710	752,586	
	1914	19,317	114,375	88,561	129,082	495,906	366,824	181,763

For footnotes see pp. 819 and 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.								
Other industries related to printing and publishing, total.[1]	1927	2,875	65,863	111,544	90,509	338,652	248,143	87,233
	1925	2,754	62,749	101,991	82,517	313,567	231,050	76,966
	1914	3,120	56,812	39,596	39,227	123,591	84,365	45,882
Bookbinding and blank-book making.	1927	1,063	21,909	28,281	25,875	87,327	61,452	19,038
	1925	970	20,836	26,006	24,127	81,600	57,473	16,147
	1914	1,124	21,693	11,575	13,334	38,104	24,770	10,842
Engravers' materials	1927	17	178	294	1,289	2,169	879	864
	1925	16	177	276	1,202	2,014	812	921
	1914	13	106	73	551	768	217	491
Engraving, steel and copperplate, and plate printing.	1927	393	8,540	11,886	10,236	39,071	28,835	6,804
	1925	368	7,259	10,169	7,628	32,106	24,478	5,764
	1914	399	6,859	4,527	3,915	13,786	9,871	5,670
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1927	173	1,805	2,612	2,078	7,931	5,853	2,028
	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
	1914	486	1,536	1,076	596	3,134	2,538	1,035
Engraving, wood	1927	23	132	291	76	641	565	45
	1925	22	117	234	46	525	479	32
	1914	72	302	310	96	719	623	68
Photo-engraving, not done in printing establishments.	1927	611	11,033	28,381	10,790	69,207	58,417	9,366
	1925	577	9,868	24,321	8,393	58,640	50,248	6,735
	1914	376	6,211	6,167	2,798	15,359	12,561	3,724
Lithographing	1927	309	16,348	27,466	32,704	97,050	64,346	28,541
	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
	1914	336	15,171	11,861	14,017	39,136	25,119	15,024
Stereotyping and electrotyping, not done in printing establishments.	1927	197	4,502	10,273	4,677	25,549	20,872	16,888
	1925	193	4,283	9,207	4,280	22,361	18,081	13,774
	1914	189	3,457	3,001	2,255	8,154	5,899	6,743
Printing materials, not including type or printing ink.	1927	70	882	1,402	2,034	7,022	4,988	2,339
	1925	71	888	1,379	1,787	6,526	4,739	1,981
	1914	94	423	340	763	2,111	1,348	638
Type founding	1927	19	525	658	749	2,684	1,935	1,230
	1925	18	537	603	705	2,451	1,745	1,236
	1914	31	1,054	666	901	2,320	1,419	1,647
CHEMICALS AND ALLIED PRODUCTS								
Total, exclusive of alcohol and liquor industries.[1]	1927	7,500	252,106	316,027	1,782,569	3,315,228	1,532,659	1,840,049
	1925	7,224	243,152	294,425	1,790,263	3,150,089	1,359,826	1,736,714
	1923	7,129	244,950	286,836	1,682,215	2,894,730	1,212,515	1,643,164
	1921	7,243	198,040	222,259	1,328,942	2,192,371	863,429	
	1914	9,459	187,756	105,988	830,915	1,299,085	468,170	992,703
Chemicals and allied products other than animal, vegetable, and compounded oils, total.[1]	1927	6,760	228,674	294,090	1,409,190	2,855,979	1,446,789	1,528,092
	1925	6,509	222,112	275,879	1,374,950	2,651,375	1,276,425	1,464,454
	1923	6,424	226,710	291,444	1,316,282	2,472,610	1,156,328	1,388,993
	1921	6,438	177,525	204,712	1,022,489	1,840,964	818,475	
	1914	10,268	232,817	153,307	762,608	1,667,267	904,659	1,181,322
Ammunition and related products.	1927	20	7,602	8,266	20,945	45,602	24,657	17,175
	1925	27	7,777	7,987	22,820	41,707	18,887	23,316
	1914	32	11,493	6,751	16,277	30,840	14,563	11,354
Explosives	1927	100	5,803	8,131	36,894	72,490	35,596	38,236
	1925	103	5,697	7,731	37,877	69,669	31,791	37,808
	1914	111	6,306	4,488	25,627	41,433	15,806	45,778

For footnotes see p. 819.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS, ETC.—Continued								
Fireworks	1927	36	1,564	1,395	2,624	5,885	3,261	1,300
	1925	41	1,446	1,429	2,399	6,031	3,632	1,148
	1914	41	1,324	616	1,206	2,296	1,090	707
Baking powders, yeast, and other leavening compounds.	1927	47	3,052	4,794	24,619	85,151	60,531	42,816
	1925	49	2,931	4,063	23,376	74,593	51,217	36,033
	1914	124	2,270	1,241	10,395	22,339	11,444	7,862
Blacking, stains, and dressings.	1927	176	1,716	2,181	9,186	22,548	13,363	4,905
	1925	171	1,869	2,164	9,734	25,055	15,322	2,659
	1914	197	1,766	877	5,129	9,882	4,753	2,442
Bluing	1927	20	155	151	594	1,674	1,080	363
	1925	23	176	185	1,017	2,167	1,150	366
	1914	66	254	105	489	1,184	695	216
Bone black, carbon black, and lampblack.	1927	67	1,553	2,047	6,571	14,262	7,691	8,065
	1925	66	1,505	1,722	5,655	14,565	8,910	7,289
	1914	27	339	231	686	1,464	778	1,786
Candles	1927	17	709	761	2,959	6,531	3,302	996
	1925	20	626	673	2,786	5,114	2,328	922
	1914	15	387	188	1,119	1,731	612	359
Chemicals, not elsewhere classified.[23]	1927	457	50,510	75,261	284,795	548,536	263,741	552,410
	1925	715	55,694	80,435	271,646	547,003	275,357	524,677
	1923	736	74,897	99,845	316,901	630,870	313,969	572,892
	1921	692	46,306	58,024	190,502	390,768	200,266	
	1914	395	32,311	22,066	89,451	158,054	68,603	267,907
Cleaning and polishing preparations.	1927	341	2,403	2,988	15,220	41,234	26,015	8,485
	1925	299	2,161	2,660	12,707	34,020	21,313	6,279
	1914	398	1,239	619	3,895	9,152	5,257	2,543
Drug grinding	1927	25	659	820	5,684	9,205	3,522	4,662
	1925	22	622	710	4,921	8,446	3,525	4,389
	1914	20	1,059	583	5,215	8,080	2,865	4,972
Druggists' preparations	1927	373	10,138	11,942	40,499	110,309	69,810	15,919
	1925	370	9,685	11,078	36,064	95,420	59,356	12,553
	1914	416	9,277	4,755	22,935	48,010	25,075	8,368
Patent and proprietary medicines and compounds.	1927	1,282	15,071	16,667	84,641	278,243	193,602	34,082
	1925	1,279	14,802	15,592	84,700	247,564	162,774	33,840
	1923	1,303	17,353	16,915	88,802	237,494	148,692	29,998
	1921	1,426	13,800	13,684	69,571	175,808	106,327	
	1914	2,903	13,328	6,675	35,940	102,463	66,523	18,326
Perfumery, cosmetics, and toilet preparations.	1927	705	10,463	10,965	52,765	161,246	108,480	10,431
	1925	594	8,714	8,537	46,933	129,510	82,578	7,381
	1914	496	2,897	1,280	7,405	16,899	9,434	1,815
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1927	122	2,414	2,971	23,074	35,677	12,603	29,172
	1925	125	2,495	2,987	22,763	34,784	12,021	32,634
	1914	112	2,839	1,613	13,238	20,620	7,382	23,288
Fertilizers	1927	621	18,612	17,650	138,143	190,385	52,242	156,274
	1925	587	19,644	17,743	137,808	206,773	68,965	152,193
	1923	573	18,572	16,365	127,980	183,089	55,109	161,774
	1921	588	16,308	16,026	144,978	180,375	35,397	
	1914	784	22,815	10,532	107,955	153,196	45,241	113,926
Compressed and liquefied gases.[24]	1927	313	3,212	4,948	11,749	50,547	38,799	70,489
Glue and gelatin	1927	61	3,226	4,524	19,223	31,196	11 973	24,703
	1925	55	3,325	3,976	15,338	25,764	10,426	22,807
	1914	57	3,129	1,854	9,368	13,733	4,365	13,299
Mucilage, paste, and other adhesives, not elsewhere classified.[25]	1927	80	502	679	4,270	7,945	3,675	2,219
	1925	84	561	766	5,563	9,853	4,291	2,574
	1914	127	700	399	3,338	5,695	2,357	2,311

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS, ETC.—Continued								
Grease and tallow, not including lubricating greases.	1927	247	5,052	7,403	38,272	56,280	18,008	34,069
	1925	263	5,303	7,508	33,713	51,442	17,729	30,840
	1914	369	5,106	3,512	17,001	24,901	7,840	17,935
Ink, printing	1927	123	2,288	3,065	16,054	37,734	21,680	18,901
	1925	109	2,150	3,346	16,253	34,753	18,501	17,041
	1914	70	1,391	1,064	6,808	13,830	7,024	7,048
Ink, writing	1927	24	491	570	2,209	5,342	3,133	743
	1925	28	524	596	2,424	6,084	3,660	700
	1914	54	512	263	1,236	2,784	1,548	561
Alcohol, ethyl [26]	1927	28	1,180	1,705	19,310	33,971	14,661	7,261
	1925	31	1,305	1,838	38,564	57,706	19,141	10,268
	1914	434	6,295	3,994	40,997	206,779	165,782	51,670
Liquors, malt [27]	1919	729	34,259	45,171	94,792	379,905	285,113	322,130
	1914	1,250	62,070	53,244	129,724	443,149	312,425	405,049
Liquors, vinous	1927	13	150	177	1,206	2,693	1,487	999
	1925	27	265	262	1,765	3,436	1,671	1,499
	1914	318	2,202	1,194	9,489	16,618	7,129	9,339
Paints and varnishes	1927	1,006	28,061	40,185	307,724	519,010	211,286	163,187
	1925	923	25,490	35,420	293,943	470,736	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,203	171,398	274,310	102,912	
	1914	800	16,083	10,180	88,465	145,624	57,159	67,598
Rayon [28]	1927	19	26,341	28,649	25,748	109,888	84,141	122,406
	1925	14	19,128	22,976	18,478	88,061	69,583	66,906
Salt	1927	58	5,961	7,117	14,664	34,329	19,665	55,928
	1925	70	6,308	7,261	13,849	34,253	20,404	54,647
	1914	98	5,089	3,041	6,273	14,070	7,797	20,007
Soap	1927	256	13,432	19,716	172,244	287,060	114,816	62,025
	1925	272	15,406	18,526	184,874	278,273	93,400	55,607
	1923	270	17,002	20,777	173,546	276,403	102,857	74,820
	1921	283	16,558	18,865	150,356	240,195	89,839	
	1914	371	14,172	8,088	88,867	127,042	39,075	34,105
Sulphuric, nitric, and mixed acids.	1927	35	1,837	3,014	11,882	23,555	11,672	23,875
	1925	36	2,196	3,103	11,066	23,307	12,241	22,130
	1914	32	3,064	2,213	6,734	15,215	8,481	21,002
Wood distillation and charcoal manufacture.	1927	88	4,537	4,739	15,423	27,630	12,208	16,833
	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
	1914	142	3,010	1,646	6,729	10,284	3,555	10,179
Animal, vegetable, and compounded oils, total.	1927	781	24,762	23,818	393,895	495,013	102,018	320,217
	1925	773	22,700	20,946	455,642	559,858	104,214	283,827
	1923	773	19,817	17,590	380,662	460,951	74,290	265,235
	1921	910	22,071	19,621	330,416	384,054	54,538	
	1914	1,193	25,596	11,113	248,517	297,363	48,846	277,740
Oil, cake, and meal, cottonseed.	1927	547	18,434	14,259	220,038	276,388	56,300	270,560
	1925	535	16,215	11,412	244,315	295,685	51,369	230,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,864	217,225	22,361	
	1914	882	21,810	8,490	180,976	212,127	31,151	249,781
Oils, essential	1927	14	109	258	3,427	4,642	1,215	759
	1925	14	178	281	4,363	5,882	1,519	1,004
	1914	105	249	133	1,565	2,314	749	1,959
Oil, cake, and meal, linseed.	1927	33	2,718	4,325	97,750	111,544	13,793	28,273
	1925	33	2,692	4,290	121,762	140,514	18,751	25,869
	1914	25	1,488	1,127	39,555	44,882	5,327	15,511
Oils, not elsewhere classified.	1927	187	3,441	4,977	72,678	103,388	30,710	20,686
	1925	191	3,615	4,963	85,202	117,776	32,574	17,989
	1914	181	2,049	1,363	26,420	38,040	11,620	10,489

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PRODUCTS OF PETROLEUM AND COAL								
Coke, not including gas-house coke.	1927	171	21,082	34,168	286,729	382,013	95,284	451,874
	1925	237	23,191	36,762	277,751	378,634	100,883	409,552
	1923	262	28,304	48,108	354,030	516,923	162,892	332,560
	1921	176	16,970	23,833	168,791	221,313	52,522	
	1914	231	21,107	14,259	69,188	99,275	30,137	117,127
Fuel, manufactured	1927	20	274	446	4,873	7,203	2,330	9,594
	1925	14	246	369	3,936	6,019	2,084	6,573
	1914	14	141	112	699	863	254	3,444
Gas, manufactured, illuminating and heating.	1927	828	48,497	68,350	211,786	516,705	304,920	496,014
	1925	919	46,998	67,436	178,423	455,460	277,037	428,132
	1923	939	42,282	59,690	191,120	450,097	258,977	368,005
	1921	954	34,956	53,306	202,253	411,196	208,012	
	1914	1,284	43,792	26,802	76,779	220,238	143,459	213,303
Lubricating greases not made in petroleum refineries.	1927	45	568	799	6,314	11,656	5,342	3,181
	1925	53	607	820	6,796	13,230	6,443	3,807
	1914	77	476	282	2,707	4,919	2,152	2,545
Petroleum refining	1927	354	71,234	113,717	1,752,997	2,142,649	389,651	552,651
	1925	359	65,324	104,645	1,889,678	2,376,657	486,979	393,753
	1923	382	66,717	103,834	1,425,053	1,793,700	368,647	349,154
	1921	366	63,189	102,294	1,382,170	1,727,440	345,270	
	1914	176	25,366	19,397	325,265	396,361	71,097	126,190
RUBBER PRODUCTS								
Boots and shoes, rubber.	1927	22	26,848	32,079	43,373	124,608	81,235	68,359
	1925	23	24,999	28,058	40,566	115,935	75,368	59,413
	1914	23	18,687	9,986	23,956	53,822	29,866	24,561
Rubber tires and inner tubes.[28]	1927	109	78,256	120,064	499,221	869,688	370,467	451,724
	1925	126	81,640	120,614	550,340	925,002	395,062	403,227
	1923	160	73,963	108,628	365,165	644,194	279,029	370,551
Rubber goods, other than tires, inner tubes, and boots and shoes.[29]	1927	385	36,893	45,931	117,777	230,781	113,005	270,539
	1925	381	35,230	42,613	121,224	219,869	98,645	197,051
	1923	344	34,470	39,790	90,729	182,584	91,855	178,890
	1921	294	23,889	25,131	54,192	114,747	60,555	
	1914	319	55,335	54,181	139,079	247,172	108,093	174,681
LEATHER AND ITS MANUFACTURES								
Leather: Tanned, curried, and finished.[30]	1927	494	52,924	67,887	331,985	494,256	162,271	220,530
	1925	531	52,263	65,834	296,953	452,186	155,233	215,678
	1923	597	50,703	73,784	321,780	488,898	167,148	230,137
	1921	608	48,955	57,741	277,725	383,365	105,640	
	1914	741	55,956	31,915	284,245	367,202	82,957	171,734
Finished products of leather, total.[31]	1927	3,771	263,067	296,560	756,656	1,375,049	618,393	199,051
	1925	3,712	261,702	280,512	715,927	1,311,523	595,596	197,495
	1923	4,272	285,747	315,712	775,065	1,404,735	629,670	190,277
	1921	4,205	231,116	256,671	656,673	1,160,821	504,148	
	1914	6,017	251,124	137,443	468,890	737,393	268,503	139,460
Belting, leather	1927	173	2,164	2,925	16,185	27,266	11,080	6,725
	1925	168	2,644	3,505	18,568	31,811	12,943	6,889
	1914	151	2,951	2,070	15,480	23,036	7,556	7,385
Boots and shoes, other than rubber	1927	1,357	203,110	225,090	494,553	944,714	450,161	138,796
	1925	1,460	200,902	225,788	481,632	925,383	443,751	130,565
	1923	1,606	225,216	250,346	527,457	1,000,078	472,621	128,559
	1921	1,505	183,502	204,954	478,432	867,476	389,044	
	1914	1,355	191,555	105,695	310,357	501,760	191,403	95,966
Boot and shoe cut stock, not made in boot and shoe factories.[32]	1927	201	8,011	9,354	97,966	121,022	23,056	13,718
	1925	245	7,977	8,906	75,326	94,048	18,721	14,859
	1914	236	7,819	4,052	51,451	59,965	8,514	6,018

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
LEATHER, ETC.—Con.								
Boot and shoe findings, not made in boot and shoe factories	1927	379	9,950	11,202	31,862	57,433	25,571	18,021
	1925	326	8,605	9,695	20,248	52,064	22,816	15,419
	1914	369	6,714	3,226	20,304	28,303	7,999	5,436
Gloves and mittens, leather.[32]	1927	232	9,106	8,814	19,276	36,662	17,386	2,603
	1925	226	7,115	6,915	17,779	33,203	15,514	3,265
	1914	352	10,668	4,558	12,171	21,614	9,443	3,308
Pocketbooks, purses, and cardcases.	1927	257	8,570	13,170	29,619	57,345	27,726	1,725
	1925	190	6,826	9,022	22,442	43,105	20,663	1,356
	1914	64	1,466	702	1,784	3,351	1,567	242
Saddlery and harness	1927	264	4,023	4,541	16,526	27,356	10,830	4,908
	1925	258	4,570	5,060	18,776	30,084	11,308	5,021
	1914	2,551	12,969	7,996	33,086	53,559	20,473	10,362
Trunks, suitcases, and bags.	1927	495	10,345	13,085	29,128	59,959	30,830	9,001
	1925	475	10,348	13,226	31,382	61,224	29,842	7,893
	1914	561	9,911	5,540	13,626	26,472	12,846	7,510
Leather goods, not elsewhere classified.	1927	413	7,188	8,379	21,540	43,292	21,752	3,651
	1925	364	6,685	7,396	20,474	40,512	20,038	3,223
	1914	378	7,071	3,604	10,632	19,334	8,702	3,233
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a material, total.	1927	5,156	126,569	187,879	303,632	787,843	484,211	1,672,639
	1925	4,852	123,699	178,644	300,793	779,031	478,239	1,365,906
	1923	4,621	118,560	167,466	273,309	697,461	424,092	1,071,210
	1921	4,752	84,565	109,834	212,557	464,613	252,056	
	1914	6,530	115,042	74,637	119,163	277,562	158,399	808,040
Concrete products	1927	2,330	17,808	24,898	33,913	93,259	59,346	54,342
	1925	1,666	14,722	20,761	27,792	75,214	47,422	38,361
	1914	3,548	10,255	6,308	8,904	21,934	13,030	20,274
Marble, granite, slate, and other stone products.	1927	1,978	40,474	68,491	66,328	201,181	134,853	295,174
	1925	2,356	36,575	59,593	66,976	193,047	126,071	240,297
	1914	4,901	54,891	37,960	37,802	107,055	69,253	206,115
Lime	1927	260	10,903	12,191	17,269	41,587	24,318	84,195
	1925	283	12,095	14,002	20,049	50,736	30,687	87,871
	1914	627	12,429	6,040	7,558	18,391	10,833	39,079
Cement	1927	161	36,322	53,111	120,012	293,565	173,553	1,069,390
	1925	145	38,437	53,912	114,169	300,895	186,726	871,650
	1923	133	35,091	49,708	100,767	264,099	163,332	642,840
	1921	125	26,231	34,416	102,360	203,627	101,267	
	1914	133	27,916	18,192	51,987	101,756	49,769	490,402
Wall plaster, wall board, and floor composition.	1927	221	10,014	14,412	31,098	83,856	51,858	116,230
	1925	222	10,978	16,078	39,553	90,957	51,404	82,803
	1914	165	5,389	3,453	7,993	16,544	8,551	36,599
Asbestos products, other than steam packing or pipe and boiler covering.[33]	1927	62	6,337	8,376	21,518	44,156	22,639	26,525
	1925	49	6,129	7,692	19,225	36,274	17,049	22,918
	1923	56	6,078	6,640	20,027	36,820	16,793	26,855
	1921	40	2,026	1,948	6,076	13,030	6,954	
	1914	32	962	484	1,360	2,814	1,454	2,861
Emery wheels and other abrasive and polishing appliances.	1927	68	3,261	4,608	10,840	24,182	13,342	13,464
	1925	63	3,352	4,770	11,104	25,730	14,626	11,654
	1914	49	2,387	1,491	3,006	7,130	4,124	4,080
Grindstones, pulp stones, and millstones.[34]	1927	23	468	560	258	1,621	1,363	3,585
	1925	21	454	560	292	1,631	1,339	3,005
	1914	14	686	323	116	684	568	2,160
Hones, whetstones, and similar products.	1927	8	192	182	337	819	481	1,136
	1925	6	156	158	394	787	393	891
	1914	16	170	64	87	260	173	864

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
STONE, CLAY, ETC.—Continued								
Sand-lime brick	1927	45	790	1,051	1,158	3,616	2,458	8,598
	1925	41	801	1,119	1,238	3,760	2,522	6,396
	1914	45	557	322	350	994	644	5,600
Industries using clay and other earths as materials, total.	1927	2,598	148,850	182,466	156,264	488,559	332,295	707,248
	1925	2,688	150,953	189,012	155,937	502,770	346,833	700,775
	1923	2,734	161,176	185,282	155,034	497,812	342,778	613,862
	1921	2,624	106,627	120,200	108,774	316,056	207,282	
	1914	4,005	134,429	76,153	62,481	191,418	128,937	513,164
Clay products (other than pottery) and nonclay refractories.[38]	1927	1,846	100,972	121,968	99,870	319,908	220,038	529,581
	1925	1,939	102,777	127,127	100,013	333,730	233,717	517,204
	1923	1,983	102,723	123,773	103,318	333,416	230,098	480,576
	1921	1,881	68,759	73,726	68,276	194,329	126,053	
	1914	3,239	100,182	54,907	42,723	135,921	93,198	442,480
Pottery, including porcelain ware.	1927	316	36,667	45,150	33,581	110,597	77,017	54,879
	1925	309	36,536	45,769	33,926	111,078	77,152	50,141
	1914	350	26,705	16,666	12,032	36,943	24,911	22,337
China firing and decorating, not done in potteries.	1927	31	366	428	682	1,602	1,010	43
	1925	31	333	386	672	1,590	918	38
	1914	51	295	160	330	727	397	22
Crucibles	1927	11	258	344	772	1,982	1,210	1,688
	1925	11	284	381	755	2,092	1,337	1,476
	1914	10	302	171	1,270	1,886	616	875
Graphite, ground and refined.	1927	13	289	341	1,319	2,932	1,612	3,011
	1925	11	228	278	1,328	2,569	1,241	2,927
	1914	11	250	181	723	1,724	1,001	2,602
Minerals and earths, ground or otherwise treated.	1927	245	8,270	9,833	17,625	41,260	23,635	116,909
	1925	250	8,762	9,882	17,165	42,381	25,216	127,649
	1914	244	4,707	2,485	4,561	10,307	5,746	44,067
Statuary and art goods, factory product.	1927	136	2,028	4,404	2,415	10,187	7,772	1,737
	1925	137	2,033	4,188	2,078	9,330	7,251	1,340
	1914	190	1,988	1,583	842	3,910	3,068	781
Glass and manufactures of glass, total.	1927	919	74,598	93,928	134,879	336,147	201,268	320,244
	1925	938	78,384	99,356	146,696	358,850	212,154	281,476
	1923	962	81,956	100,819	145,070	367,848	222,778	250,982
	1921	971	61,798	77,031	106,926	252,420	145,494	
	1914	1,165	85,753	55,294	59,173	149,720	90,547	172,772
Glass	1927	269	65,825	81,353	109,911	282,394	172,483	318,298
	1925	310	69,371	86,736	113,652	295,959	182,307	271,639
	1923	333	73,335	89,898	113,170	309,353	196,183	240,528
	1921	329	54,748	68,224	86,036	213,471	127,435	
	1914	348	74,502	48,656	46,016	123,085	77,069	102,034
Glass cutting, staining, and ornamenting.	1927	400	4,465	6,215	8,779	22,328	13,549	3,316
	1925	410	4,860	6,517	13,331	27,943	14,612	3,531
	1914	635	8,067	4,670	7,143	16,446	9,303	5,358
Mirrors, framed and unframed.	1927	250	4,308	6,361	16,189	31,425	15,236	7,630
	1925	218	4,153	6,104	16,713	34,949	15,235	6,306
	1914	182	3,184	1,968	6,014	10,189	4,175	4,480
IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY								
Crude iron and steel and rolled products, total.	1927	602	389,270	645,534	2,269,210	3,488,744	1,219,534	6,781,058
	1925	595	399,914	660,297	2,429,378	3,711,354	1,281,976	6,143,927
	1923	658	424,913	696,760	2,872,028	4,161,938	1,289,910	5,999,941
	1921	628	254,213	354,357	1,366,175	1,901,430	535,255	
	1914	587	278,072	210,923	855,406	1,236,319	380,913	3,925,869

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Iron and steel: Blast furnaces.	1927	116	27,958	44,258	579,555	708,904	129,349	(35)
	1925	122	29,188	45,312	617,417	765,286	147,869	1,380,304
	1923	169	36,712	58,936	827,630	1,007,613	179,983	1,686,419
	1921	134	18,698	29,370	361,050	419,771	58,721	
	1914	160	29,356	22,781	264,580	317,654	53,074	1,222,273
Iron and steel: Steel works and rolling mills.	1927	486	361,312	601,275	1,689,655	2,779,840	1,090,185	[36] 6,781,058
	1925	473	370,726	614,955	1,811,961	2,946,068	1,134,107	4,763,533
	1923	459	388,201	637,825	2,044,398	3,154,325	1,109,927	4,313,522
	1921	494	235,515	324,987	1,005,125	1,481,659	476,534	
	1914	427	248,716	188,142	590,826	918,065	327,239	2,703,596
Other iron and steel products, total.	1927	5,744	446,231	618,872	1,275,698	2,710,508	1,434,810	1,541,979
	1925	5,473	451,356	624,042	1,304,972	2,748,773	1,443,801	1,375,072
	1923	5,700	467,747	627,827	1,280,860	2,666,903	1,386,013	1,259,334
	1921	5,627	317,585	376,829	774,169	1,554,960	780,787	
	1914	5,744	340,277	211,065	460,404	901,309	440,905	661,947
Bolts, nuts, washers, and rivets, not made in rolling mills.[37]	1927	115	13,614	17,324	38,302	75,876	37,574	69,403
	1925	127	13,907	17,942	38,507	75,926	37,419	59,767
	1914	102	10,658	5,961	12,913	23,403	10,490	28,885
Cast-iron pipe	1927	82	22,892	25,982	48,225	95,089	46,864	63,196
	1925	77	23,033	27,438	48,847	100,919	52,073	54,820
	1914	59	12,557	7,076	16,930	26,659	9,729	25,864
Doors, shutters, and window sash and frames, metal.	1927	117	8,050	15,564	25,602	65,280	39,678	20,626
	1925	92	6,791	12,899	21,628	50,078	28,450	16,699
	1914	43	1,935	1,538	1,996	5,184	3,188	3,170
Forgings, not made in steel works or rolling mills.[37]	1927	209	15,399	23,258	51,635	103,672	52,037	126,887
	1925	218	20,290	31,313	68,081	134,511	66,429	120,014
	1914	191	10,689	7,487	14,611	28,961	14,350	36,543
Horseshoes, not made in rolling mills.[37]	1927	10	195	282	467	1,363	897	1,088
	1925	9	193	275	496	1,408	912	1,042
	1914	22	588	362	690	1,786	1,096	1,984
Nails, spikes, etc., not made in rolling mills.[37]	1927	56	2,100	2,670	5,157	11,753	6,597	8,073
	1925	58	2,227	2,610	5,046	12,318	6,673	8,102
	1914	64	2,644	1,508	3,594	7,199	3,605	8,135
Springs, steel: Railway, vehicle, heavy machine, etc., not made in rolling mills.[37]	1927	94	5,753	8,913	24,599	43,821	19,222	22,263
	1925	98	5,897	8,989	23,609	44,469	20,860	22,492
	1914	84	3,709	2,602	6,143	11,595	5,452	8,025
Steel barrels, kegs, and drums.[38]	1927	39	2,853	3,986	14,736	24,105	9,369	11,229
	1925	33	2,021	2,914	12,743	19,928	7,185	7,739
	1923	39	2,668	3,363	14,818	23,249	8,431	7,907
	1921	31	2,013	2,323	9,267	14,525	5,258	
Structural and ornamental iron work, not made in rolling mills.[37]	1927	1,284	52,392	84,578	243,446	440,370	196,930	251,670
	1925	1,136	48,341	77,411	237,653	420,998	183,345	211,732
	1923	1,056	51,591	80,833	225,487	406,117	180,630	205,518
	1921	1,021	32,897	47,455	151,011	250,086	99,075	
	1914	1,235	47,167	33,429	87,622	159,378	71,756	100,058
Iron and steel, processed.[38, 39]	1927	33	231	392	510	1,443	934	1,716
	1925	26	306	557	643	2,114	1,471	1,870
	1923	265	1,376	2,406	2,925	9,112	6,187	6,209
Wrought pipe, not made in rolling mills.[37]	1927	44	11,083	16,066	55,779	98,186	42,407	53,938
	1925	42	10,871	17,157	59,142	94,695	35,553	41,306
	1914	36	8,845	5,750	36,296	37,655	11,359	17,532
Firearms	1927	20	6,130	7,934	5,048	19,452	14,405	15,747
	1925	20	4,470	5,684	3,174	15,179	12,005	14,580
	1914	29	7,064	5,067	2,670	10,544	7,874	7,374
Galvanizing and other coating, not done in rolling mills.	1927	59	953	1,449	3,722	6,951	3,228	2,657
	1925	54	804	1,128	2,892	5,933	3,041	1,881
	1914	48	1,580	922	6,298	8,480	2,187	2,385

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued.								
Hardware, not elsewhere classified.	1927	485	47,834	60,827	71,377	208,254	136,377	99,674
	1925	476	52,349	65,562	77,503	225,053	147,550	98,278
	1923	473	52,205	63,471	80,598	215,960	135,362	84,006
	1921	456	35,228	36,240	41,520	120,600	79,080	
	1914	507	43,724	23,831	30,861	77,360	46,499	56,839
Pens, steel and brass	1927	6	534	594	293	1,658	1,365	307
	1925	5	487	498	265	1,446	1,180	273
	1914	5	573	243	117	514	397	244
Plumbers' supplies, not including pipe or marble, slate, and vitreous china sanitary ware.	1927	231	29,245	40,212	55,633	148,879	93,246	90,263
	1925	239	33,280	46,954	63,010	167,878	104,268	84,534
	1914	260	18,479	11,703	18,670	43,386	24,716	28,112
Safes and vaults	1927	25	3,386	4,494	7,226	18,440	11,213	9,688
	1925	35	3,865	5,398	8,266	23,044	14,778	10,054
	1914	39	2,972	1,860	2,646	7,257	4,611	8,496
Screw-machine products.	1927	205	9,967	13,778	20,895	48,138	27,243	31,825
	1925	193	8,987	12,669	18,788	43,779	24,991	30,514
	1914	66	3,643	2,310	3,058	7,248	4,190	7,548
Screws, wood	1927	13	3,723	4,277	5,015	11,882	6,867	11,653
	1925	12	5,064	5,525	6,288	15,836	9,548	11,970
	1914	12	4,446	1,951	2,350	6,217	3,867	8,044
Steam fittings and steam and hot-water heating apparatus.	1927	232	42,893	64,351	76,835	225,158	148,323	132,723
	1925	225	43,260	63,979	77,357	228,930	151,573	109,313
	1923	226	44,141	64,807	83,297	221,954	138,657	91,085
	1921	274	30,808	39,596	50,213	127,367	77,154	
	1914	295	26,388	16,738	26,921	63,922	37,001	38,362
Stoves and ranges (other than electric), and warm-air furnaces.	1927	564	45,180	64,327	93,096	258,286	165,190	100,009
	1925	564	46,514	66,209	95,873	264,303	168,430	94,126
	1914	551	37,325	25,865	33,955	89,390	55,435	49,055
Tin cans and other tinware, not elsewhere classified.[40]	1927	236	29,721	35,001	169,421	253,479	84,057	64,005
	1925	221	29,901	34,392	175,779	260,360	84,581	48,728
	1923	241	30,511	32,816	135,980	215,971	79,991	41,252
	1921	244	22,711	24,595	108,748	168,305	59,557	
	1914	294	22,584	12,217	53,841	81,931	28,090	17,803
Tools and cutlery:								
Cutlery (not including silver and plated cutlery) and edge tools.	1927	230	17,178	20,270	19,126	76,688	57,562	43,419
	1925	211	16,407	20,226	20,562	80,263	59,701	51,673
	1914	252	16,561	9,076	8,186	25,541	17,355	34,665
Files	1927	36	3,948	5,145	3,136	12,974	9,838	10,979
	1925	38	4,200	5,393	3,518	13,541	10,023	11,531
	1914	48	4,349	2,135	1,595	5,608	4,013	8,771
Saws	1927	77	4,182	5,754	7,674	22,628	14,954	14,526
	1925	71	4,710	5,873	8,224	24,709	16,485	14,287
	1914	100	4,560	3,020	4,714	12,517	7,803	11,744
Other tools, not including machine tools.	1927	657	25,232	34,465	37,057	117,431	80,374	85,063
	1925	663	25,340	34,294	39,023	121,263	82,240	78,686
	1914	661	16,866	10,217	12,235	33,893	21,658	37,248
Vault, sidewalk, and floor lights, coal-hole covers, and ventilating equipment.[41]	1923	24	296	446	1,213	2,991	1,778	254
	1914	45	601	457	959	2,051	1,092	486
Wire, drawn from purchased bars or rods (excludes steel works and rolling mills).	1927	73	19,866	30,038	128,092	190,710	62,617	152,574
	1925	68	18,544	26,928	127,251	184,403	57,212	138,115
	1914	54	17,600	11,021	56,424	81,841	25,417	83,900
Wirework, not elsewhere classified.	1927	512	21,697	26,439	63,093	128,536	65,443	45,858
	1925	462	19,268	23,835	59,604	115,429	55,825	36,943
	1914	552	12,126	6,719	24,114	41,789	17,675	21,405

For footnotes see p. 820.

No. 806.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
NONFERROUS METALS AND THEIR PRODUCTS.								
Products for remanufacture, total.[1]	1927	1,336	80,721	116,243	458,029	705,126	247,097	483,832
	1925	1,267	79,488	113,574	486,301	721,386	235,085	431,605
	1923	1,266	83,379	111,866	448,267	679,182	230,915	372,603
	1921	1,125	51,608	60,085	186,949	297,455	110,506	
	1914	1,165	46,540	28,803	151,609	208,407	56,799	139,761
Aluminum manufactures.	1927	139	14,798	20,892	79,839	123,557	43,719	71,907
	1925	127	14,353	19,753	84,985	127,831	42,846	62,366
	1914	37	4,614	2,611	14,421	19,598	5,177	12,207
Babbitt metal, white metal, type metal, and solder.	1927	64	1,087	1,534	36,784	44,673	7,889	3,597
	1925	67	1,465	2,221	44,081	50,650	6,569	3,907
	1914	109	1,035	701	15,652	19,180	3,528	2,881
Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified.[42]	1927	1,106	64,187	92,894	327,605	519,892	192,288	404,512
	1925	1,044	62,942	90,613	337,641	519,725	182,084	361,242
	1923	1,035	64,713	88,539	331,757	511,470	179,713	305,839
	1921	911	39,830	46,260	130,627	214,904	84,277	
	1914	992	40,306	25,084	115,487	162,199	46,712	121,974
Lead: Bar, pipe, and sheet.	1927	27	649	923	13,802	17,003	3,202	3,816
	1925	29	728	986	19,594	23,180	3,586	4,090
	1914	27	585	407	6,048	7,431	1,383	2,609
Smelting and refining, total.[1]	1927	228	34,087	50,515	935,014	1,086,153	151,138	481,441
	1925	238	37,194	54,793	1,070,193	1,244,506	174,313	479,412
	1923	205	37,634	55,095	924,228	1,060,440	136,213	460,321
	1921	222	20,999	27,807	419,419	491,156	71,737	
	1914	250	37,774	31,258	629,704	737,629	107,924	273,551
Primary, total	1927	69	30,510	44,800	807,242	942,735	135,493	465,164
	1925	71	32,992	47,948	912,064	1,067,125	155,061	455,496
	1923	84	34,889	51,123	825,549	947,352	121,803	444,903
	1921	80	18,580	24,401	364,277	422,972	58,694	
	1914	88	34,733	28,983	572,744	669,130	96,395	261,419
Copper	1927	26	13,924	20,582	527,764	609,299	81,535	323,799
	1925	26	15,588	22,642	573,190	665,177	91,986	321,909
	1923	29	16,777	25,459	554,100	625,433	71,333	332,943
	1921	28	8,203	11,199	205,904	234,895	28,991	
	1914	37	17,731	16,149	379,157	444,022	64,865	194,980
Lead	1927	18	5,398	7,690	202,859	225,138	22,279	48,298
	1925	17	6,115	9,002	254,881	283,043	28,162	47,219
	1923	20	6,104	8,768	207,315	227,735	20,420	42,377
	1921	23	4,509	5,958	134,061	150,594	16,533	
	1914	22	7,385	6,134	154,015	171,579	17,564	29,734
Zinc	1927	25	11,188	16,528	76,619	108,298	31,679	93,067
	1925	28	11,289	16,305	83,992	118,906	34,913	86,368
	1914	20	9,617	6,700	39,573	53,538	13,965	36,705
Secondary, total	1927	159	3,577	5,715	127,772	143,418	15,646	16,277
	1925	167	4,202	6,845	158,130	177,381	19,251	23,916
	1914	162	3,041	2,275	56,960	68,490	11,530	12,132
Gold, silver, and platinum, reducing and refining, not from ore.	1927	57	801	1,435	58,877	62,647	3,770	4,288
	1925	65	1,258	2,166	88,867	95,243	6,376	9,676
	1914	78	456	391	25,709	28,588	2,879	2,061
Metals other than gold, silver, or platinum, not from the ore.	1927	102	2,776	4,280	68,894	80,771	11,876	11,989
	1925	102	2,944	4,680	69,263	82,138	12,875	14,240
	1914	84	2,585	1,884	31,251	39,902	8,651	10,071
Metals not elsewhere classified.[43]	1923	4	257	387	4,541	5,382	841	1,144
	1921	5	434	748	4,055	7,060	3,005	
	1919	13	2,041	2,963	14,957	20,074	5,117	11,700

For footnotes see pp. 819 and 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
NONFERROUS METALS, ETC.—Con.								
Manufactures of metals.[1]	1927	5,094	155,737	213,608	387,315	877,418	490,103	254,325
	1925	5,419	158,610	212,415	390,283	867,878	477,595	242,869
	1923	5,961	171,960	221,202	401,978	882,975	480,997	235,789
	1921	6,454	139,687	168,359	279,469	618,264	338,795	
	1914	8,293	153,932	93,893	182,481	381,894	199,413	136,014
Bells [44]	1923	9	218	226	328	792	465	426
	1921	9	203	200	277	645	368	
	1914	12	445	244	438	970	532	787
Clocks, time-recording devices, and clock movements.	1927	52	9,865	11,751	10,063	38,196	28,133	9,510
	1925	45	7,945	9,238	8,920	29,379	20,459	8,614
	1914	48	6,754	3,653	4,008	11,032	7,024	5,993
Watches and watch movements.	1927	11	12,192	15,090	5,871	32,278	26,407	9,357
	1925	13	13,915	16,557	6,178	36,254	30,076	12,348
	1914	15	12,390	7,524	2,669	14,275	11,606	6,624
Watch and clock materials and parts, except watchcases.	1927	17	415	407	315	1,309	994	210
	1925	25	501	480	376	1,363	987	219
	1914	25	670	380	343	1,015	672	621
Watchcases	1927	40	3,360	4,328	5,311	13,725	8,414	4,121
	1925	45	3,480	4,463	6,030	14,793	8,743	4,106
	1914	31	3,514	1,938	4,002	7,831	3,829	2,369
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1927	1,081	24,527	38,668	98,386	191,129	92,743	35,880
	1925	2,107	24,996	37,825	84,080	175,043	90,963	35,273
	1914	4,527	28,714	20,518	50,174	94,891	44,717	21,275
Fire extinguishers, chemical.	1927	26	832	1,192	4,010	8,035	4,025	1,564
	1925	26	842	1,131	4,122	8,037	3,915	1,440
	1914	27	256	200	574	1,298	724	269
Stamped and enameled ware, not elsewhere classified.	1927	365	28,504	35,155	65,581	141,793	76,212	66,726
	1925	370	29,704	36,107	77,487	154,096	76,609	64,346
	1914	270	28,731	15,243	32,472	65,121	32,649	34,561
Gas and electric fixtures, lamps, lanterns and reflectors.	1927	481	21,030	29,261	55,609	127,802	72,194	31,291
	1925	517	22,334	31,072	57,771	129,698	71,928	30,093
	1914	611	18,047	10,677	22,102	45,378	23,276	18,213
Needles, pins, hooks and eyes, and snap fasteners.	1927	45	5,606	6,098	5,923	20,325	14,402	7,250
	1925	48	5,850	5,856	5,926	18,174	12,248	7,603
	1914	49	5,339	2,507	3,242	7,891	4,649	4,783
Gold and silver, leaf and foil.	1927	77	1,146	1,120	1,721	3,571	1,850	346
	1925	84	1,148	1,113	1,839	3,746	1,907	326
	1914	79	1,135	498	1,452	2,432	980	360
Jewelry	1927	1,367	24,116	36,766	78,915	164,865	87,950	17,070
	1925	1,468	23,837	35,177	79,886	166,816	86,931	17,296
	1914	1,914	28,289	18,302	39,116	81,006	41,890	13,862
Pens, gold	1927	8	137	198	444	732	288	80
	1925	13	226	299	589	1,115	526	121
	1914	12	246	174	302	642	340	138
Silversmithing and silverware.	1927	84	4,967	7,803	11,165	30,704	19,539	7,499
	1925	93	5,587	8,607	13,106	32,532	19,426	7,770
	1914	108	7,070	4,795	8,275	19,786	11,511	7,899
Plated ware	1927	94	11,752	16,142	20,212	56,720	36,508	27,712
	1925	90	11,290	15,236	20,071	54,330	34,259	23,014
	1914	72	8,717	5,001	8,304	18,484	10,180	10,494
Tin and other foils, not including gold and silver; collapsible tubes.	1927	27	3,642	4,002	22,454	32,302	9,848	21,619
	1925	26	3,618	4,001	21,342	30,060	8,719	18,712
	1914	14	1,031	528	3,072	5,068	1,396	2,458
Electroplating	1927	419	3,556	5,629	3,335	13,080	10,595	14,090
	1925	449	3,337	5,254	2,541	12,441	9,899	10,743
	1914	479	2,584	1,713	1,336	4,773	3,437	5,308

For footnotes see pp. 819 and 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements.	1927	277	33,346	46,415	85,666	202,782	117,066	117,966
	1925	303	28,696	37,388	73,850	169,468	95,618	115,325
	1914	601	43,459	34,593	73,509	164,087	90,578	121,250
Cash registers and calculating machines.	1927	41	14,372	21,756	11,132	106,845	95,713	21,951
	1925	41	13,296	21,142	11,166	98,384	87,218	17,616
	1914	52	8,956	6,110	3,992	30,520	26,528	10,619
Electrical machinery, apparatus, and supplies.[45]	1927	1,777	241,506	336,239	645,762	1,637,307	991,545	661,168
	1925	1,739	239,921	323,835	636,692	1,540,002	903,310	589,398
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	480,268
	1921	1,333	161,204	194,242	344,070	833,985	489,915	
	1914	1,030	118,078	73,806	154,728	335,170	180,442	226,320
Engines, turbines, and water wheels.	1927	215	54,341	84,791	165,203	367,879	202,676	241,788
	1925	220	51,099	78,555	145,784	313,588	167,804	224,194
	1923	249	48,495	70,878	124,543	266,998	142,455	165,137
	1921	296	35,567	52,005	111,698	199,499	87,801	
	1914	446	29,657	21,421	31,460	72,121	40,661	62,105
Foundry and machine-shop products, not elsewhere classified.[46]	1927	8,318	397,814	591,065	872,790	2,259,794	1,387,004	1,538,856
	1925	8,154	397,838	590,801	883,708	2,232,986	1,349,278	1,424,250
	1923	8,531	448,777	642,431	936,231	2,337,073	1,400,842	1,234,326
	1921	9,013	321,363	412,359	653,364	1,565,527	912,163	
	1914	10,640	362,471	244,146	358,122	866,545	508,423	763,821
Gas machines and gas and water meters.	1927	58	5,915	8,792	15,591	36,715	21,124	10,427
	1925	61	5,514	7,429	13,038	34,292	21,254	7,375
	1914	123	4,972	3,310	6,118	15,184	9,066	5,681
Machine tools[47]	1927	355	35,269	52,366	46,115	159,513	113,398	131,670
	1925	329	30,831	46,711	43,826	144,202	100,376	118,810
	1919	403	53,111	66,179	59,034	212,400	153,366	100,294
Metal-working machinery (other than machine tools).[48]	1927	52	6,125	9,058	10,861	31,749	20,887	23,078
	1925	49	5,994	9,221	10,693	31,390	20,692	22,190
Pumps (hand and power) and pumping equipment.	1927	278	18,671	27,119	52,765	130,591	77,826	64,763
	1925	253	17,935	25,278	50,328	120,148	69,820	56,470
	1914	183	8,322	5,555	9,459	24,214	14,755	17,141
Refrigerators, mechanical.[45]	1927	22	11,285	17,712	42,651	96,514	53,862	40,034
Scales and balances	1927	60	3,906	5,461	7,454	24,655	17,202	8,766
	1925	71	4,202	5,783	7,349	27,237	19,888	9,771
	1914	83	4,467	2,934	3,174	9,734	6,560	6,187
Sewing machines, cases, and attachments.	1927	41	11,838	15,879	16,782	45,222	28,440	41,988
	1925	41	12,121	16,100	18,610	46,298	27,689	27,439
	1914	50	18,007	11,091	10,200	27,238	17,038	24,010
Textile machinery and parts.[49]	1927	367	26,154	36,481	36,181	116,921	80,740	64,532
	1925	379	27,869	37,464	39,037	121,653	82,616	61,738
	1923	428	35,672	46,023	49,705	140,661	90,956	56,295
Typewriters and supplies.	1927	75	16,681	20,912	15,956	69,112	53,156	17,920
	1925	70	14,969	18,804	15,157	63,080	47,923	15,588
	1914	107	11,091	6,967	5,501	24,500	18,999	10,872
Washing machines, wringers, driers, and ironing machines for household use.	1927	75	7,789	10,950	34,528	74,951	40,423	20,697
	1925	82	7,077	9,990	32,748	69,568	36,820	18,023
	1914	111	2,302	1,221	4,149	7,600	3,451	4,898
Windmills and windmill towers.	1927	16	1,355	1,882	3,234	7,514	4,281	3,608
	1925	15	1,391	1,830	3,376	7,984	4,608	3,378
	1914	31	1,955	1,252	2,555	5,496	2,941	3,997

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motor cycles.	1927	264	187,910	321,664	1,859,426	2,848,443	959,017	725,674
	1925	297	197,728	341,210	2,103,192	3,198,123	1,089,931	509,758
	1923	351	241,356	406,730	2,147,463	3,163,328	1,015,865	435,545
	1921	385	143,658	221,974	1,107,962	1,671,387	564,325	
	1914	300	79,307	66,934	292,598	503,230	210,632	104,063
Motor-vehicle bodies and motor-vehicle parts.	1927	1,213	131,489	291,291	641,807	1,151,426	510,120	551,659
	1925	1,358	228,382	372,721	862,721	1,523,280	660,558	662,255
	1923	2,120	165,530	253,147	564,107	1,013,113	449,006	425,088
	1921	1,974	69,119	96,770	213,985	408,017	194,052	
	1914	971	47,785	34,993	63,610	129,601	65,991	67,912
Motor cycles, bicycles, and parts.	1927	29	3,897	5,442	10,174	21,454	11,280	10,753
	1925	36	4,193	5,962	12,177	24,258	12,081	12,699
	1914	78	6,680	4,739	10,928	22,234	11,306	8,718
Carriages, wagons, sleighs, and sleds.[49]	1927	117	3,387	4,212	10,648	19,422	8,774	18,207
	1925	152	4,833	5,792	12,860	24,935	12,075	20,449
	1923	396	8,109	9,319	18,683	37,373	18,690	26,509
	1921	837	8,025	9,903	16,884	33,114	16,230	
	1914	4,622	41,627	26,697	52,602	107,639	55,037	75,439
Carriage, wagon, sleigh, and sled materials.	1927	44	764	665	1,555	3,041	1,486	5,213
	1925	81	1,389	1,216	2,659	5,118	2,459	8,689
	1914	456	11,087	6,059	13,546	24,850	11,303	38,195
Carriages and sleds, children's.	1927	89	7,030	7,814	13,895	28,668	14,773	10,309
	1925	86	6,926	7,923	13,553	30,174	16,620	9,853
	1914	92	5,900	3,181	5,082	11,752	6,070	5,652
Aircraft and parts	1927	70	4,422	6,857	7,517	21,162	13,645	6,031
	1925	44	2,701	4,222	2,870	12,525	9,655	3,735
	1914	16	168	135	134	790	656	195
Locomotives, not made in railroad repair shops.	1927	17	12,961	17,648	45,688	76,719	31,031	148,971
	1925	18	12,809	18,219	41,717	65,389	23,672	114,209
	1914	19	17,391	11,085	23,546	43,374	19,828	80,373
Cars, electric and steam-railroad, not built in railroad repair shops.	1927	135	38,031	60,625	209,113	312,509	103,390	236,415
	1925	141	50,393	77,247	263,054	390,771	124,718	243,934
	1923	139	80,590	129,178	413,660	604,351	190,691	250,102
	1921	118	48,033	70,945	211,938	340,536	128,598	
	1914	117	58,128	43,861	138,550	205,271	66,721	135,898
Ship and boat building, steel and wooden, including repair work.	1927	559	55,014	87,081	78,626	211,127	132,501	314,474
	1925	565	50,254	74,275	66,299	177,182	110,883	303,470
	1914	1,147	44,489	32,981	38,597	88,682	50,085	115,114
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1927	1,794	307,088	600,517	515,070	1,205,191	690,120	1,037,404
	1925	1,842	425,234	619,834	533,908	1,248,867	714,959	934,839
	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	735,625
	1921	1,766	385,006	624,181	473,011	1,180,030	707,019	
	1914	1,362	339,518	234,505	243,829	514,011	270,212	433,904
Car and general construction and repairs, electric-railroad repair shops.	1927	515	31,584	48,302	30,421	84,504	54,083	73,357
	1925	521	32,521	48,357	29,738	83,812	54,074	70,479
	1914	649	26,384	18,645	17,609	38,577	20,968	44,989
MISCELLANEOUS INDUSTRIES								
Musical instruments and phonographs, total.	1927	431	42,985	60,761	90,189	226,392	136,203	102,105
	1925	461	46,980	62,502	98,760	231,687	132,926	97,318
	1923	535	58,529	75,396	123,600	282,532	158,931	90,229
	1921	600	45,113	54,495	94,988	212,989	118,001	
	1914	737	48,768	30,855	49,323	110,080	79,365	57,526

For footnotes see p. 820.

No. 806.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Musical instruments and parts and materials, not elsewhere classified.	1927	99	4,018	5,737	4,641	17,892	13,251	5,356
	1925	100	4,556	6,520	5,575	20,329	14,754	4,907
	1914	241	1,831	1,161	1,023	3,625	2,602	1,765
Organs	1927	63	2,770	4,364	4,494	15,439	10,944	4,332
	1925	57	2,460	3,610	3,749	12,283	8,534	3,983
	1914	85	3,063	1,903	2,660	6,207	3,037	3,666
Pianos	1927	124	16,582	23,891	33,899	75,491	41,592	29,725
	1925	142	20,079	28,096	49,296	101,181	51,885	26,912
	1914	255	23,877	15,705	29,091	62,775	33,684	25,838
Piano and organ materials.	1927	85	5,399	6,504	9,657	22,245	12,587	14,185
	1925	94	8,618	10,131	15,294	36,836	21,543	15,734
	1914	138	10,616	5,655	9,502	19,876	10,374	14,669
Phonographs	1927	60	14,216	20,176	37,468	95,296	57,823	48,507
	1925	68	11,267	14,145	24,847	61,057	36,210	45,782
	1914	18	9,381	6,341	7,048	27,116	20,068	11,688
Tobacco manufactures, total.	1927	2,156	129,299	105,251	420,667	1,163,768	743,102	52,385
	1925	2,623	132,132	111,558	425,769	1,091,001	665,232	42,075
	1923	3,672	146,337	120,462	515,865	1,044,192	528,327	43,515
	1921	4,372	149,985	120,903	608,688	1,048,490	439,801	
	1914	13,951	178,872	77,856	207,134	490,165	283,032	34,750
Tobacco, chewing and smoking, and snuff.	1927	159	13,125	10,661	85,310	198,245	112,934	16,566
	1925	178	15,024	12,185	94,419	216,186	121,768	17,541
	1923	206	16,301	12,739	146,374	222,966	76,592	18,621
	1921	226	16,628	12,742	156,477	241,741	85,264	
	1914	436	25,980	9,550	76,604	175,281	98,677	21,273
Cigars and cigarettes	1927	1,997	116,174	94,589	335,356	965,524	630,168	35,819
	1925	2,445	117,108	99,373	331,351	874,815	543,464	24,534
	1923	3,466	130,036	107,723	369,491	821,226	451,735	24,894
	1921	4,146	133,357	108,161	452,212	806,749	354,537	
	1914	13,515	152,892	68,306	130,530	314,884	184,354	13,483
Other industries, total.	1927	11,781	208,682	364,375	863,878	1,919,919	1,056,041	686,429
	1925	11,209	261,228	336,062	828,476	1,806,967	978,491	596,547
	1923	11,295	271,227	333,168	790,459	1,678,830	888,372	570,037
	1921	10,838	223,077	267,034	612,186	1,296,820	684,633	
	1914	11,944	215,400	119,394	347,879	662,241	314,361	358,563
Artificial and preserved flowers and plants.	1927	190	4,715	5,050	7,889	19,576	11,688	541
	1925	187	4,305	4,287	7,265	17,824	10,559	737
	1914	217	4,808	1,991	3,207	7,614	4,407	237
Artificial limbs	1927	130	592	908	720	3,216	2,495	1,001
	1925	123	502	794	627	3,021	2,394	955
	1914	153	488	369	316	1,498	1,182	589
Artists' and draftsmen's materials.	1927	61	1,211	1,430	3,772	8,205	4,433	3,250
	1925	62	1,317	1,568	3,802	8,321	4,518	2,982
	1914	44	604	315	2,065	3,238	1,173	1,860
Brooms	1927	394	4,450	4,275	9,176	18,445	9,269	4,401
	1925	421	4,725	4,654	11,213	21,714	10,501	5,399
	1914	868	5,642	2,624	7,884	14,085	6,201	4,495
Brushes, other than rubber.	1927	302	7,673	8,244	22,553	47,844	25,291	12,093
	1925	302	7,836	8,452	22,021	45,824	23,803	11,220
	1914	359	7,213	3,461	9,327	17,894	8,567	6,298
Buttons	1927	229	9,642	9,436	11,238	29,130	17,893	15,899
	1925	289	11,513	10,892	12,373	32,458	20,085	15,940
	1914	517	14,511	6,424	8,702	20,712	12,010	14,009

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Combs and hairpins, not made from metal or rubber.	1927	36	1,259	1,249	1,873	4,437	2,564	1,591
	1925	44	1,300	1,293	2,334	5,270	2,936	1,892
	1914	66	2,773	1,393	2,853	5,478	2,625	2,453
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.	1927	152	5,091	6,374	15,686	36,824	21,137	13,576
	1925	180	4,844	5,864	15,421	37,263	21,842	14,719
	1914	236	5,551	3,363	9,248	18,950	9,702	11,639
Dental goods including dental-laboratory work.	1927	342	5,674	6,998	21,928	42,695	20,767	4,341
	1925	326	5,303	6,132	21,124	38,769	17,645	4,366
	1914	172	3,080	1,616	10,715	16,160	5,445	1,874
Enameling and japanning.	1927	111	2,259	3,017	3,299	9,143	5,843	6,893
	1925	95	1,550	2,170	2,250	6,896	4,646	3,775
	1914	112	1,542	798	1,064	2,547	1,483	1,715
Fancy and miscellaneous articles, not elsewhere classified.	1927	595	16,965	18,307	34,674	83,006	48,333	10,802
	1925	532	14,552	14,900	29,155	69,769	40,614	9,071
	1914	403	7,390	3,567	8,429	17,659	9,230	4,465
Feathers, plumes, and manufactures thereof.	1927	38	322	397	534	1,438	904	103
	1925	70	888	976	1,881	4,179	2,298	334
	1914	239	4,483	1,988	6,102	11,451	5,349	308
Foundry supplies	1927	65	941	1,200	6,539	11,635	5,096	11,133
	1925	66	1,087	1,300	6,904	12,723	5,819	10,733
	1914	57	555	301	997	2,013	1,016	4,689
Fur goods	1927	2,756	16,640	37,671	195,323	299,615	104,292	5,655
	1925	2,000	16,556	35,164	159,316	254,266	94,950	4,985
	1923	1,758	14,439	27,923	126,162	198,043	71,881	4,299
	1921	1,707	12,052	22,421	84,537	139,366	54,829	
	1914	1,322	9,030	6,335	23,847	43,633	19,786	3,225
Furs, dressed	1927	172	5,540	10,361	7,072	27,681	20,609	12,467
	1925	133	5,056	8,506	7,296	25,423	18,126	9,858
	1914	96	1,525	923	906	2,875	1,969	2,207
Hair work	1927	69	515	698	330	2,279	1,449	21
	1925	85	804	975	3,040	6,090	3,043	13
	1914	205	1,193	581	1,529	3,335	1,806	68
Hand stamps and stencils and brands.	1927	293	2,668	3,842	3,734	14,156	10,422	3,159
	1925	323	2,930	4,015	4,070	15,321	11,250	3,658
	1914	384	1,767	1,149	1,425	4,486	3,061	1,355
Hats, men's, straw	1927	48	3,263	4,232	11,783	21,718	9,935	1,554
	1925	83	5,920	5,823	15,178	28,154	12,976	3,541
	1914	149	9,483	5,253	14,080	25,444	11,358	5,144
Instruments, professional and scientific.	1927	280	10,414	22,289	28,880	87,783	58,903	25,687
	1925	233	12,129	16,166	20,428	76,339	55,911	17,595
	1914	307	7,107	4,652	5,582	17,495	11,913	6,731
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1927	22	294	330	328	911	583	599
	1925	29	488	555	728	1,879	1,152	892
	1914	54	795	391	958	1,896	938	659
Jewelry and instrument cases.	1927	107	2,406	2,597	3,294	8,810	5,516	1,440
	1925	125	2,748	2,750	3,833	10,114	6,281	2,460
	1914	125	2,393	1,094	1,450	3,621	2,171	1,012
Lapidary work	1927	92	547	1,221	9,133	12,352	3,218	513
	1925	83	589	1,285	7,273	10,123	2,850	515
	1914	89	684	641	3,941	5,360	1,419	534

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Mattresses and bed springs, not elsewhere classified.	1927	838	13,481	16,887	52,182	98,835	46,652	32,937
	1925	1,018	14,403	17,430	62,489	110,717	48,228	32,840
	1914	1,000	11,747	6,723	22,399	38,717	16,318	20,604
Models and patterns, not including paper patterns.	1927	693	5,584	10,545	4,659	23,495	18,836	11,485
	1925	689	5,262	9,420	4,927	22,485	17,557	10,473
	1914	762	4,274	3,103	2,045	8,605	6,560	5,801
Motion pictures, not including projection in theaters.[59]	1927	142	8,415	18,637	34,807	134,343	99,476	32,360
	1925	132	5,573	13,066	33,258	93,636	60,378	28,472
	1919	50	3,646	6,709	19,579	36,705	17,126	4,169
Optical goods	1927	96	7,596	9,561	8,865	32,757	23,892	12,401
	1925	117	8,642	10,439	9,997	33,655	23,658	11,017
	1914	314	7,919	4,649	6,006	18,188	11,582	7,710
Paving materials, other than brick or granite.	1927	592	19,250	25,003	38,068	103,249	65,242	263,760
	1925	604	17,941	22,308	33,435	90,630	57,195	207,469
	1914	609	19,540	11,184	14,163	35,678	21,515	137,862
Pencils, lead	1927	27	5,301	5,943	9,931	24,500	14,568	9,882
	1925	25	5,636	6,031	9,169	25,051	15,882	8,209
	1914	14	4,330	1,944	4,564	8,328	3,764	3,728
Pens, fountain and stylographic.	1927	54	3,360	3,943	9,638	23,255	13,617	3,534
	1925	60	3,490	4,055	7,741	24,035	16,295	3,213
	1914	55	1,154	718	1,614	6,865	5,251	1,157
Photographic apparatus and materials.	1927	122	12,120	18,311	29,020	90,828	61,808	24,838
	1925	118	9,154	13,300	25,779	78,654	52,874	22,366
	1914	146	8,674	5,545	11,539	39,041	27,502	16,439
Pipes, (tobacco)	1927	23	1,807	2,279	2,723	7,274	4,551	1,928
	1925	28	1,970	2,291	2,718	7,299	4,581	2,052
	1914	47	2,354	1,188	2,308	4,220	1,912	1,641
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings.	1927	100	7,255	10,713	67,328	123,210	55,883	41,740
	1925	140	8,310	12,145	78,597	123,591	44,994	34,161
	1914	170	4,088	2,642	17,605	27,978	10,373	11,702
Sandpaper, emery paper, and other abrasive paper and cloth.	1927	10	917	1,228	5,471	12,232	6,761	2,834
	1925	12	1,230	1,714	7,342	15,623	8,281	4,513
	1914	12	681	359	2,686	4,328	1,642	3,092
Signs and advertising novelties.	1927	813	16,907	24,044	30,892	98,481	67,589	15,325
	1925	759	15,128	20,764	25,858	89,669	63,811	12,550
	1914	776	9,566	5,933	9,059	24,792	15,733	7,345
Soda-water apparatus	1927	48	2,838	4,228	10,391	23,929	13,538	5,042
	1925	60	2,372	3,628	8,632	22,032	13,400	4,180
	1914	67	2,229	1,661	3,333	8,781	4,898	3,705
Sporting and athletic goods, not incl. firearms or ammunition.	1927	188	9,689	11,595	19,394	44,043	25,549	13,484
	1925	181	8,724	10,262	17,875	42,629	24,755	11,550
	1914	162	5,602	2,771	6,952	13,235	6,283	4,116
Stationery goods, not elsewhere classified.	1927	194	8,987	9,792	27,016	56,087	29,071	8,891
	1925	217	11,309	12,076	31,108	67,809	36,701	10,970
	1914	189	7,728	3,791	10,763	21,903	11,140	5,687
Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills.	1927	159	5,946	7,905	19,794	43,045	23,250	29,810
	1925	172	6,086	8,072	20,372	43,871	23,499	25,579
	1914	149	4,213	2,525	8,176	14,213	6,037	17,165
Surgical appliances	1927	205	6,718	7,463	30,043	57,408	27,365	8,061
	1925	180	5,888	6,043	26,187	55,264	29,077	11,572
	1914	238	4,282	2,211	7,098	14,920	7,822	6,359

For footnotes see p. 820.

No. 806.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Theatrical scenery and stage equipment.	1927	39	561	1,380	2,330	5,745	3,415	998
	1925	33	391	864	1,520	3,578	2,058	413
	1914	7	88	89	125	327	202	65
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1927	397	14,738	15,543	25,805	63,956	38,150	19,028
	1925	352	6,901	13,785	22,179	55,734	33,554	19,038
	1914	290	7,887	3,499	5,779	13,757	7,978	6,719
Umbrellas, parasols, and canes.	1927	164	3,308	3,411	14,021	23,156	9,135	2,411
	1925	176	3,731	3,696	16,594	27,299	10,705	3,027
	1914	265	4,792	2,167	8,592	13,813	5,221	2,544
Whips	1927	7	90	89	176	310	135	252
	1925	9	103	73	132	308	176	158
	1914	40	1,103	559	1,341	3,162	1,821	1,071
Window shades and fixtures.	1927	386	4,733	6,856	21,085	37,082	16,016	8,679
	1925	336	5,176	6,208	25,030	41,058	16,028	11,151
	1914	286	4,077	2,181	11,889	17,444	5,555	6,594
All other industries [31]	1923	5	633	1,014	13,036	15,526	1,890	1,330
	1921	16	1,506	2,076	9,386	16,246	6,860	----------
	1914	82	6,486	4,720	64,062	76,504	12,442	11,900

[1] Because of a change in classification of some industries in this group for 1927 the figures for previous years have been revised to preserve comparability.
[2] No data were compiled for 1925 except for San Francisco, Calif.
[3] "Feeds, prepared, for animals and fowls," prior to 1927 was treated as a subclassification under "Food preparations, not elsewhere classified." Because of the transfer to this industry for 1927 of a certain class of establishments formerly classified under "Flour and other grain-mill products" the figures for earlier years are not comparable with those for 1927.
[4] "Lard substitutes and cooking fats" was treated as a subclassification under "Food preparations, not elsewhere classified," prior to 1927. The figures for 1927 are not comparable with those for earlier years because of transfer for 1927 to this industry classification of data for those establishments manufacturing, primarily, vegetable cooking oils, which data were to a large extent formerly included in those for "Oils, not elsewhere classified."
[5] For censuses prior to 1927 this industry was treated as a subclassification under "Food preparations, not elsewhere classified," but for 1927 it was treated as a separate industry.
[6] For censuses prior to 1927 this industry covered the manufacture of cereal preparations; prepared feeds for animals and fowls; lard substitutes; macaroni, spaghetti, etc.; and the treating of nuts (except peanuts). For 1927 separate industry classifications designate establishments engaged primarily in these activities, and accordingly the figures for prior years for the "Food preparations, not elsewhere classified," industry have been revised.
[7] For 1927 included in "Peanuts, walnuts, and other nuts, processed."
[8] Prior to 1927 part of the establishments now in this industry were classified in the "Food preparations, not elsewhere classified," industry and part in the "Peanuts, grading, roasting, cleaning, and shelling" industry, which has been abandoned.
[9] For 1914 reported as "Mineral and soda waters."
[10] The manufacture of asbestos textiles prior to 1925 treated as an industry in this group is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, p. 808, therefore data have been excluded from statistics for textile-mill products for 1923 and earlier years.
[11] Because of a change in classification no comparable statistics can be given for prior years.
[12] The industry classification "Clothing, men's, youths', and boys', not elsewhere classified," for 1921 and 1914 includes men's work clothing, except shirts. For 1927, 1925, and 1923 statistics for this class of wearing apparel are shown separately as "Clothing, work (except shirts), men's."
[13] "Gloves and mittens, cloth" treated as a part of the "Furnishing goods, men's" industry for 1914; statistics for 1914 for the latter industry are therefore not strictly comparable with those for later years.
[14] "Handkerchiefs" and "Trimmings" were first treated as separate industries at the census for 1927. For prior censuses data for "Handkerchiefs" were included in part in "Furnishing goods, men's," and in part in "Millinery and lace goods," and data for "Trimmings" were included in "Millinery and lace goods."
[15] Included in the classification "Millinery and lace goods," which was abandoned at the census for 1927. No comparable figures can be given for earlier years.
[16] "Asphalted felt-base-floor coverings" included in "Linoleum" for 1914. Figures for "Linoleum" for 1914 are therefore not comparable with those for later years.
[17] Includes "Oakum" for 1914.
[18] Includes data for "Hammocks," heretofore treated as a separate industry.
[19] Classified in other industries for 1927 and 1925.
[20] No separate statistics prior to 1927.
[a] Combined total for paper and pulp.

[22] Not reported separately; included with paper.
[23] See footnote 24.
[24] "Rayon" included in "Chemicals, not elsewhere classified," for 1923 and prior years; compressed and liquefied gases included prior to 1927.
[25] The figures for 1925 differ from those previously published because of a change in the classification in 1927 of establishments manufacturing rubber cement as their principal product from this group to the "Rubber goods, other than tires, inner tubes, and boots and shoes" industry, in the "Rubber products" group. The figures for 1914 have not been revised and therefore are not strictly comparable with later years.
[26] Includes distilled liquors in 1914.
[27] At the census for 1921 the malt-liquor industry covered almost entirely the manufacture of cereal beverages ("Near beer" and similar soft drinks) and the data for that year have been included with those for "Beverages." (See p. 798.) The "Liquors, malt" industry has been abandoned as a separate classification.
[28] Included in "Rubber goods, other than tires, inner tubes, and boots and shoes" prior to 1921.
[29] Includes for all years "Belting and hose, rubber" formerly treated as a separate industry. For 1914 also includes, "Rubber tires and inner tubes."
[30] The figures for 1925 have been revised due to a counterbalance change in "Leather: Tanned, curried, and finished" and "Boot and shoe cut stock."
[31] The figures for 1925 and 1923 have been revised due to a change in the industries making up this subclass.
[32] The figures for 1927 and 1925 are not comparable with those for 1914 because of the inclusion in the earlier year of statistics for certain establishments manufacturing gloves of cloth and leather combined; for later years this class of establishments was included in the cloth-glove industry.
[33] Includes asbestos textiles, prior to 1925 classified as a separate industry.
[34] For 1914 "Millstones" are included in "All other industries," p. 819.
[35] Title prior to 1923 "Brick and tile, terra cotta, and fire-clay products."
[36] Included with "Steelworks and rolling mills."
[37] Similar products are manufactured to a large extent by steelworks and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.
[38] Included in "Foundry and machine-shop products" for 1914. (See p. 814.)
[39] Data for establishments engaged in job welding are included in the figures for 1923 but are not included for 1927 and 1925, as job-welding establishments were not canvassed for those years.
[40] "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works and rolling mills" industry.
[41] Classified in other industries subsequent to 1923.
[42] Figures for 1927 and 1925 include data for bells, shown as a separate industry under "Manufactures of metals" for previous years.
[43] No establishments were classified in this industry at the censuses for 1927, 1925, or 1914.
[44] Abandoned as a separate industry classification; statistics for 1927 and 1925 included with those for "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified."
[45] Refrigerators, mechanical, for censuses prior to 1927 included in "Electrical machinery, apparatus, and supplies" and "Foundry and machine-shop products."
[46] "Foundry and machine-shop products, not elsewhere classified," include for 1914: "Iron and steel, processed," "Machine tools," "Steel barrels, kegs, and drums," and "Textile machinery and parts," data for which were not specifically called for at that census. (See also footnote 45.)
[47] Not classified separately prior to 1919. Included in "Foundry and machine-shop products."
[48] For censuses prior to 1925 not separately classified; included in "Foundry and machine-shop products."
[49] Data for establishments engaged solely in repair work are included for 1921 and 1914 but not for 1927, 1925, and 1923. The differences between the figures for 1923, 1921, and 1914 and those published in previous reports are due to the inclusion here and the exclusion from the previous reports of data for wheelbarrows.
[50] The figures for 1919 do not cover the entire industry and are not, therefore, comparable with those for later years.
[51] At the censuses for 1927 and 1925 it was possible to present statistics for every industry covered by the census classifications; but for the preceding census years it was necessary to combine the figures for certain unimportant industries in order to avoid disclosing operations of individual establishments.

Source: Bureau of the Census, Department of Commerce.

No. 807.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES

NOTE.—Data for "Coffee and spice roasting and grinding" (not tabulated for 1925) are included in the figures for 1914, 1921, 1923, and 1927. Data for "automobile repairing" (not collected since 1919) and for "Poultry killing and dressing" (not collected for 1927) are included in the division and State figures for 1914, but are excluded from the totals for that year and from all figures for later years. No data for establishments with products valued at less than $5,000 are included in the statistics for 1921 to 1927; for 1914, such data have been excluded from the United States totals except for wages and horsepower but are included in the United States totals for these items and in all division and State figures. Statistics for horsepower were not collected for 1921

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
United States	1927	191,866	8,349,755	10,848,803	35,133,137	62,716,347	27,685,210	38,825,681
	1925	187,224	8,381,511	10,727,338	35,896,886	62,668,260	26,771,373	35,766,944
	1923	196,182	8,776,646	11,007,851	34,683,915	60,529,574	25,845,659	33,092,222
	1921	196,098	6,944,315	8,200,359	25,291,734	43,618,566	18,326,832	----------
	1914	176,997	6,894,846	4,067,096	14,267,137	23,974,957	9,707,820	22,238,659
New England	1927	17,745	1,098,748	1,328,650	3,048,863	6,028,475	2,979,612	4,566,755
	1925	18,173	1,122,216	1,339,310	3,203,911	6,140,063	2,936,153	4,349,193
	1923	19,081	1,254,496	1,472,315	3,290,156	6,419,975	3,129,820	4,151,136
	1921	19,057	1,071,699	1,161,291	2,821,634	4,902,508	2,080,874	----------
	1914	25,193	1,140,233	628,409	1,057,674	2,926,075	1,269,001	3,098,836
Middle Atlantic	1927	62,276	2,467,791	3,491,680	10,488,832	19,533,075	9,044,243	10,968,754
	1925	58,894	2,491,035	3,434,606	10,682,119	19,409,206	8,727,086	10,106,596
	1923	66,004	2,694,015	3,595,211	11,124,014	19,738,280	8,614,265	9,627,810
	1921	67,176	2,246,089	2,770,713	8,131,944	14,587,831	6,455,888	----------
	1914	85,466	2,355,940	1,370,131	4,680,993	8,053,644	3,372,651	6,641,348
East North Central	1927	43,671	2,309,860	3,340,801	10,525,393	18,988,400	8,463,007	11,056,846
	1925	42,857	2,335,335	3,345,354	10,750,307	19,016,851	8,260,544	10,046,917
	1923	43,948	2,386,791	3,333,375	10,162,499	17,817,291	7,654,791	9,033,225
	1921	43,503	1,710,418	2,211,699	6,871,575	11,797,214	4,925,669	----------
	1914	59,896	1,680,281	1,072,538	3,795,039	6,542,261	2,747,222	5,391,978
West North Central	1927	16,192	448,192	550,698	3,170,989	4,733,112	1,562,123	2,033,074
	1925	16,181	451,008	550,974	3,192,756	4,696,380	1,503,624	1,851,114
	1923	16,535	468,646	562,901	2,834,116	4,281,956	1,447,840	1,704,192
	1921	17,247	383,357	575,054	2,361,039	3,485,107	1,123,468	----------
	1914	27,190	381,595	235,471	1,397,841	2,032,192	634,352	1,235,147
South Atlantic	1927	17,029	879,060	794,265	2,487,871	4,631,952	2,144,081	3,805,638
	1925	16,570	838,799	757,015	2,548,720	4,531,307	1,982,587	3,517,398
	1923	17,044	831,992	720,828	2,438,201	4,287,727	1,799,525	3,143,536
	1921	16,427	646,170	504,904	1,739,105	2,984,347	1,245,242	----------
	1914	28,925	685,252	293,063	1,003,068	1,682,999	679,931	2,266,238
East South Central	1927	7,637	359,542	331,280	1,025,122	1,808,818	783,696	1,787,386
	1925	8,071	355,902	322,615	1,041,046	1,807,034	765,988	1,614,945
	1923	7,500	347,150	310,319	987,113	1,701,561	714,448	1,461,574
	1921	7,240	259,073	225,235	642,525	1,091,660	449,136	----------
	1914	14,410	264,378	117,987	387,011	700,668	313,657	1,156,954
West South Central	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
	1925	7,876	264,970	267,691	1,719,519	2,543,225	823,706	1,316,629
	1923	7,942	267,042	265,272	1,374,691	2,080,207	705,516	1,227,242
	1921	8,099	229,508	238,006	1,149,033	1,723,055	574,021	----------
	1914	12,417	211,940	116,129	528,907	802,538	275,631	964,470
Mountain	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
	1925	3,844	100,353	134,567	687,992	1,045,885	357,893	757,906
	1923	3,970	103,803	143,392	609,141	955,772	346,632	714,807
	1921	4,016	82,000	118,577	396,215	616,843	220,629	----------
	1914	6,079	81,113	66,358	272,215	437,568	165,353	459,516
Pacific	1927	15,189	424,463	599,969	2,082,311	3,614,013	1,531,702	2,359,614
	1925	14,758	414,985	575,207	2,040,494	3,454,286	1,413,792	2,269,714
	1923	14,155	420,454	591,352	1,850,861	3,256,822	1,405,961	1,886,942
	1921	13,333	316,001	432,920	1,478,065	2,429,971	951,906	----------
	1914	16,206	235,515	178,247	647,342	1,067,889	420,548	1,093,092
New England:								
Maine	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941
	1925	1,500	73,849	79,777	205,709	371,849	166,141	600,757
	1923	1,642	83,328	91,854	217,070	402,650	185,580	570,532
	1921	1,761	75,710	83,429	192,102	339,562	147,459	----------
	1914	3,378	82,149	43,254	117,655	200,450	82,795	486,032

No. 807.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
New England—Contd.								
New Hampshire	1927	1,028	65,482	72,803	182,106	327,528	145,422	376,373
	1925	1,038	66,658	71,725	192,253	327,401	135,147	376,740
	1923	1,078	75,314	79,074	185,754	333,125	147,370	352,656
	1921	1,122	67,416	67,893	139,269	246,346	107,078	
	1914	1,736	78,903	40,642	114,993	182,844	67,851	340,605
Vermont	1927	880	26,241	32,305	69,957	134,080	64,073	172,762
	1925	951	27,563	32,326	74,337	138,270	63,882	178,800
	1923	1,021	30,783	34,695	80,776	149,952	69,176	177,212
	1921	1,101	25,767	28,068	63,689	113,904	50,216	
	1914	1,772	32,704	18,617	42,706	76,991	34,285	171,738
Massachusetts	1927	10,037	578,068	705,930	1,678,812	3,317,852	1,639,039	2,130,503
	1925	10,027	591,438	716,156	1,773,698	3,405,672	1,631,974	2,013,017
	1923	10,519	667,172	799,363	1,835,013	3,570,543	1,735,530	1,931,787
	1921	9,994	579,071	641,361	1,441,035	2,849,414	1,408,378	
	1914	12,013	606,698	341,310	931,384	1,641,373	709,989	1,380,012
Rhode Island	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
	1925	1,595	120,345	138,126	345,221	621,920	276,699	395,754
	1923	1,691	134,667	152,500	358,581	675,425	316,844	391,928
	1921	1,759	112,745	119,414	277,693	517,118	239,425	
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884
Connecticut	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
	1925	3,062	242,302	301,200	612,642	1,274,952	662,309	790,087
	1923	3,130	263,232	314,829	612,961	1,288,281	675,320	727,021
	1921	3,320	210,990	221,126	407,846	836,164	428,318	
	1914	4,104	226,264	125,220	288,511	545,472	256,961	452,665
Middle Atlantic:								
New York	1927	36,650	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,185
	1925	33,392	1,066,198	1,533,889	4,704,751	8,968,262	4,263,512	3,348,184
	1923	38,183	1,150,880	1,581,322	4,764,027	8,959,964	4,195,938	3,263,325
	1921	33,102	1,000,399	1,303,387	3,686,851	6,972,679	3,285,829	
	1914	48,203	1,057,857	631,042	2,108,607	3,814,661	1,706,054	2,321,817
New Jersey	1927	8,312	408,093	570,309	1,956,597	3,417,450	1,460,853	1,496,035
	1925	8,204	425,377	576,236	2,086,855	3,530,181	1,452,326	1,384,234
	1923	8,767	443,069	578,927	2,039,477	3,396,628	1,357,150	1,256,892
	1921	8,784	381,773	460,471	1,484,334	2,556,143	1,071,808	
	1914	9,742	373,605	211,136	883,465	1,406,633	523,168	783,706
Pennsylvania	1927	17,314	987,414	1,315,993	3,728,062	6,715,563	2,987,502	5,800,634
	1925	17,298	999,460	1,324,481	3,890,514	6,901,762	3,011,248	5,373,972
	1923	19,054	1,095,057	1,434,963	4,320,510	7,381,688	3,061,178	5,107,593
	1921	20,280	863,917	1,006,856	2,960,759	5,059,009	2,098,250	
	1914	27,521	924,478	527,953	1,688,921	2,832,340	1,143,428	3,535,825
East North Central:								
Ohio	1927	10,961	669,097	968,181	2,877,126	5,230,323	2,353,197	3,734,761
	1925	11,131	676,661	975,738	3,028,002	5,345,503	2,317,501	3,482,583
	1923	11,186	699,073	979,600	2,908,096	5,145,180	2,237,084	3,307,687
	1921	11,466	494,134	626,885	1,916,968	3,298,138	1,381,170	
	1914	15,658	510,435	317,924	1,020,782	1,782,808	762,026	1,985,950
Indiana	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,602,113
	1925	4,762	280,633	364,789	1,254,852	2,121,382	866,530	1,420,496
	1923	4,900	291,000	374,383	1,188,542	2,029,859	841,317	1,381,686
	1921	5,094	206,310	251,286	824,235	1,375,066	550,832	
	1914	8,022	197,503	119,258	423,857	730,795	306,938	707,982
Illinois	1927	14,711	623,468	914,103	2,921,092	5,386,003	2,464,911	2,456,997
	1925	14,104	622,127	897,729	2,922,438	5,317,636	2,395,198	2,247,083
	1923	14,334	645,561	913,160	2,793,595	5,039,880	2,246,285	1,942,418
	1921	13,035	513,741	701,385	2,096,770	3,703,050	1,606,280	
	1914	18,388	506,943	340,910	1,340,183	2,247,323	907,140	1,294,421
Michigan	1927	5,800	488,856	760,602	2,346,678	4,244,941	1,898,263	2,214,747
	1925	5,598	508,573	792,214	2,466,267	4,372,996	1,906,729	1,887,740
	1923	5,696	503,306	769,066	2,270,764	3,882,174	1,611,409	1,471,545
	1921	5,717	304,463	419,963	1,305,661	2,206,129	900,468	
	1914	8,724	271,090	182,252	592,801	1,086,162	493,361	726,777

No. 807.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
East North Central—Continued.								
Wisconsin	1927	7,473	247,722	322,697	1,153,338	1,973,653	820,325	1,048,228
	1925	7,262	247,341	314,883	1,084,747	1,859,244	774,496	1,009,015
	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,889
	1921	7,291	191,770	214,141	727,941	1,214,861	486,920	
	1914	9,104	194,310	112,193	417,415	695,172	277,757	676,848
West North Central:								
Minnesota	1927	3,886	98,833	123,619	726,391	1,066,727	340,336	584,328
	1925	3,881	100,514	123,656	768,798	1,099,688	330,889	507,928
	1923	3,894	103,935	125,505	646,710	962,084	315,375	460,114
	1921	4,080	85,760	107,201	584,460	849,199	264,738	
	1914	5,974	92,834	58,507	336,849	493,354	156,505	358,163
Iowa	1927	3,061	73,692	91,247	496,940	769,341	272,401	330,702
	1925	3,219	74,258	91,517	489,901	746,330	256,429	300,188
	1923	3,381	77,339	93,700	427,374	681,080	254,306	281,533
	1921	3,472	61,483	77,789	329,083	519,034	190,951	
	1914	5,614	63,113	39,860	205,451	310,750	105,299	189,800
Missouri	1927	5,422	195,376	230,017	1,004,709	1,605,173	600,464	656,269
	1925	5,100	194,682	230,428	976,783	1,602,850	626,067	589,806
	1923	5,283	196,601	227,898	941,847	1,544,378	602,531	553,247
	1921	5,433	156,309	182,816	726,278	1,159,876	433,598	
	1914	8,356	152,182	89,197	388,715	637,952	249,237	389,376
North Dakota	1927	397	3,260	4,808	34,271	47,003	12,732	16,167
	1925	320	3,261	4,575	32,307	44,632	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
	1921	388	3,107	4,669	25,265	36,358	10,093	
	1914	699	3,275	2,416	14,484	21,147	6,663	13,980
South Dakota	1927	472	5,551	6,786	63,620	83,001	19,381	24,676
	1925	502	5,107	6,172	45,324	62,702	16,377	21,347
	1923	489	5,146	6,211	38,073	47,321	13,648	16,458
	1921	574	4,635	6,350	26,846	41,558	14,711	
	1914	808	3,788	2,628	17,079	24,139	7,060	16,324
Nebraska	1927	1,277	26,110	34,296	326,917	420,296	93,379	141,506
	1925	1,303	27,108	35,936	347,445	442,084	94,639	133,503
	1923	1,378	31,238	39,732	313,782	414,725	100,944	120,999
	1921	1,387	27,548	37,275	244,938	331,951	87,013	
	1914	2,492	25,144	16,893	174,114	221,616	47,502	89,258
Kansas	1927	1,767	45,368	59,925	518,141	681,570	163,429	279,426
	1925	1,856	46,078	58,691	531,198	698,096	166,898	275,831
	1923	1,770	50,835	64,721	440,026	589,623	149,596	265,111
	1921	1,913	44,525	58,955	423,767	556,131	132,364	
	1914	3,136	41,259	25,970	261,148	323,234	62,086	178,246
South Atlantic:								
Delaware	1927	446	21,324	25,222	69,033	129,900	60,867	103,106
	1925	419	20,704	25,072	70,622	125,406	54,784	107,391
	1923	453	23,116	27,369	70,736	128,951	58,216	112,485
	1921	450	17,754	19,596	50,118	86,756	36,638	
	1914	808	22,155	11,382	31,649	56,035	24,386	64,324
Maryland	1927	3,205	126,700	141,903	564,120	943,411	379,290	579,713
	1925	3,179	125,761	138,560	568,108	925,688	357,580	544,558
	1923	3,163	128,802	136,255	568,605	902,936	334,331	497,945
	1921	3,120	107,049	110,446	386,064	636,640	250,576	
	1914	4,707	111,585	53,792	238,972	377,749	138,777	262,199
Dist. of Columbia	1927	503	9,519	15,569	36,099	90,390	54,291	39,471
	1925	538	9,753	15,320	33,504	83,577	50,073	37,508
	1923	600	9,823	14,796	32,870	73,108	40,238	31,846
	1921	490	8,640	12,955	30,261	67,640	37,379	
	1914	514	8,877	6,069	12,239	28,978	16,739	24,745
Virginia	1927	2,432	114,918	110,378	346,166	671,347	325,181	503,726
	1925	2,552	112,126	105,881	314,524	589,236	274,712	441,795
	1923	2,743	111,578	104,680	304,493	548,153	243,661	431,237
	1921	2,569	88,554	85,062	268,918	454,233	185,316	
	1914	5,508	102,820	44,873	155,320	264,039	108,719	337,667

No. 807.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
South Atlantic—Contd.								
West Virginia	1927	1,313	77,630	103,431	252,884	455,217	202,332	546,440
	1925	1,395	80,700	105,892	260,880	470,822	209,941	495,051
	1923	1,487	85,661	109,937	259,151	479,510	220,359	371,699
	1921	1,550	60,536	78,549	170,876	310,423	139,547	
	1914	2,749	71,078	43,784	110,033	193,512	83,479	278,219
North Carolina	1927	2,984	204,590	158,394	560,819	1,154,647	593,827	810,798
	1925	2,614	182,234	134,237	550,707	1,050,484	499,727	800,051
	1923	2,670	173,087	127,538	516,140	951,911	435,762	702,832
	1921	2,602	135,833	94,235	379,965	665,118	285,153	
	1914	5,507	136,844	46,038	109,942	289,412	119,470	506,352
South Carolina	1927	1,059	108,992	74,478	206,772	358,334	151,562	478,245
	1925	1,134	100,144	67,062	237,227	370,283	133,056	423,359
	1923	1,180	96,802	64,753	221,240	360,446	139,206	407,735
	1921	1,107	76,251	51,410	141,902	236,421	94,519	
	1914	1,885	71,824	24,173	91,009	138,891	47,882	335,710
Georgia	1927	3,175	154,168	108,118	360,262	609,918	249,656	565,899
	1925	2,876	141,173	99,210	399,351	648,852	249,501	523,334
	1923	3,058	137,476	92,144	381,769	604,453	222,684	449,888
	1921	2,809	98,264	69,916	243,939	381,207	137,357	
	1914	4,039	104,461	38,128	160,089	253,271	93,182	357,130
Florida	1927	1,912	61,219	56,672	91,716	218,790	127,075	177,580
	1925	1,803	66,204	65,780	113,796	267,009	153,213	144,161
	1923	1,690	65,047	52,357	83,188	188,258	105,071	138,269
	1921	1,720	53,289	42,734	67,063	145,821	78,758	
	1914	2,518	55,608	24,822	33,816	81,112	47,296	99,992
East South Central:								
Kentucky	1927	1,851	74,912	83,859	250,633	447,765	197,132	318,755
	1925	1,800	76,562	84,940	254,933	453,731	198,798	257,965
	1923	1,965	76,697	82,626	242,067	426,669	184,602	251,554
	1921	2,028	58,808	62,613	173,286	302,290	129,004	
	1914	4,184	64,586	31,830	114,829	230,249	115,420	237,802
Tennessee	1927	2,098	114,968	101,198	351,436	614,041	262,604	475,243
	1925	2,157	107,570	95,201	356,841	600,026	243,186	447,201
	1923	2,304	106,481	92,469	333,492	554,581	221,089	391,435
	1921	2,241	75,295	65,677	224,508	372,478	147,880	
	1914	4,775	74,373	33,083	123,430	212,071	88,641	286,844
Alabama	1927	2,355	119,093	105,489	317,493	550,372	232,879	779,156
	1925	2,349	116,599	101,243	325,684	552,824	227,140	697,998
	1923	1,996	109,020	95,205	323,666	541,729	218,063	640,892
	1921	1,855	82,748	66,747	186,407	302,809	116,401	
	1914	3,242	78,717	33,897	107,411	178,798	71,386	445,604
Mississippi	1927	1,333	50,569	40,734	105,559	196,641	91,081	214,232
	1925	1,705	55,171	41,231	103,588	200,463	96,865	211,691
	1923	1,295	54,352	40,019	87,888	178,582	90,693	177,693
	1921	1,116	42,222	30,197	58,234	114,084	55,850	
	1914	2,209	46,702	19,177	41,340	79,550	38,210	186,404
West South Central:								
Arkansas	1927	1,146	40,032	35,288	103,815	182,751	78,936	183,041
	1925	1,257	43,977	37,538	110,665	195,208	84,543	177,011
	1923	1,231	44,545	37,770	90,709	172,541	81,832	165,154
	1921	1,289	33,431	27,804	64,677	119,029	54,353	
	1914	2,604	41,979	20,752	44,907	83,941	39,034	177,106
Louisiana	1927	1,624	82,415	79,673	427,994	638,361	210,367	415,582
	1925	1,742	88,058	79,763	405,426	710,050	244,624	410,298
	1923	1,781	94,719	83,031	407,414	624,683	217,268	402,938
	1921	1,851	85,170	76,761	311,589	479,100	167,510	
	1914	2,211	77,665	39,544	157,886	255,313	97,427	354,765
Oklahoma	1927	1,373	27,932	35,785	269,418	371,718	102,300	185,480
	1925	1,274	26,163	34,036	298,522	400,292	101,770	156,608
	1923	1,239	25,444	33,036	229,685	314,459	84,774	152,956
	1921	1,396	22,230	29,514	203,204	283,061	79,857	
	1914	2,518	17,443	11,011	70,970	102,006	31,036	97,103

No. 807.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
West South Central—Continued.								
Texas	1927	4,065	116,763	120,409	842,927	1,206,580	363,653	635,455
	1925	3,603	106,772	110,354	844,906	1,237,675	392,769	572,712
	1923	3,691	102,334	111,436	646,883	978,524	331,641	506,194
	1921	3,563	88,677	103,927	569,563	841,864	272,302	
	1914	5,084	74,853	44,821	253,144	361,279	108,135	335,498
Mountain:								
Montana	1927	565	14,242	20,915	151,792	203,503	51,712	188,390
	1925	606	14,777	21,078	146,351	205,474	59,123	166,528
	1923	679	15,943	24,540	128,702	174,874	46,172	190,516
	1921	571	11,384	16,791	49,166	80,771	31,605	
	1914	939	13,704	13,001	46,744	84,446	37,702	91,671
Idaho	1927	470	13,513	18,971	47,927	86,256	38,329	89,830
	1925	487	15,782	20,698	52,857	96,042	43,785	82,497
	1923	510	16,347	22,886	43,134	87,429	44,295	72,146
	1921	485	10,783	15,183	36,057	57,067	21,010	
	1914	698	8,919	7,491	14,892	28,454	13,562	50,297
Wyoming	1927	229	5,577	9,066	63,741	85,368	21,627	40,191
	1925	224	6,333	10,526	76,073	107,985	31,911	28,721
	1923	246	7,510	12,502	69,695	110,632	40,937	23,959
	1921	254	7,254	13,800	48,320	80,247	31,926	
	1914	337	2,989	2,312	5,559	11,223	5,664	10,004
Colorado	1927	1,483	32,001	43,194	173,277	278,221	104,944	254,530
	1925	1,414	31,958	43,002	171,128	278,693	107,565	219,852
	1923	1,377	31,226	40,653	150,003	255,190	105,097	176,076
	1921	1,491	27,625	38,611	147,249	221,324	74,076	
	1914	2,126	27,278	20,200	89,756	136,839	47,083	162,701
New Mexico	1927	200	4,653	5,421	10,056	20,183	10,127	21,467
	1925	200	4,629	5,033	9,684	19,459	9,774	18,842
	1923	186	5,459	6,484	9,954	20,422	10,468	10,863
	1921	104	4,477	4,880	6,159	13,897	7,738	
	1914	368	3,776	2,695	4,430	9,320	4,890	12,468
Arizona	1927	300	8,967	12,133	77,709	117,624	39,825	100,641
	1925	294	9,127	11,506	92,271	138,781	46,511	102,127
	1923	283	9,008	12,635	80,993	123,377	42,384	128,531
	1921	269	4,774	6,809	26,495	39,110	12,615	
	1914	322	6,898	6,229	39,283	64,090	24,807	54,095
Utah	1927	556	13,585	16,089	120,567	163,118	42,551	112,233
	1925	517	15,077	18,200	127,543	177,225	49,681	124,735
	1923	585	14,945	18,344	114,183	161,607	47,424	78,733
	1921	645	13,310	18,392	74,873	111,055	36,183	
	1914	1,109	13,894	10,852	62,233	87,112	24,879	59,536
Nevada	1927	116	2,419	3,915	14,440	26,816	12,375	21,974
	1925	102	2,670	4,474	12,084	21,627	9,542	14,604
	1923	104	3,365	5,348	12,388	22,243	9,855	27,983
	1921	107	2,393	4,020	7,896	13,371	5,475	
	1914	180	3,655	3,578	9,317	16,083	6,706	18,744
Pacific:								
Washington	1927	3,344	104,468	145,931	389,885	677,914	288,029	680,408
	1925	3,216	105,893	146,225	372,759	659,340	286,581	748,110
	1923	3,029	111,663	156,435	372,044	678,543	306,499	593,330
	1921	2,908	77,518	99,191	259,685	448,105	188,479	
	1914	3,829	67,205	51,702	136,609	245,326	108,717	389,344
Oregon	1927	1,779	57,179	75,717	187,771	342,852	155,081	339,511
	1925	1,907	59,563	78,190	193,457	352,764	159,306	387,749
	1923	1,909	62,655	81,709	195,922	363,715	167,794	322,297
	1921	1,730	40,167	49,305	123,670	223,664	99,994	
	1914	2,320	28,829	20,932	63,258	100,762	46,504	214,165
California	1927	10,066	252,816	378,321	1,504,655	2,593,247	1,088,592	1,330,695
	1925	9,635	249,529	350,792	1,474,278	2,442,183	967,905	1,133,855
	1923	9,217	246,136	353,149	1,282,895	2,214,563	931,668	971,315
	1921	8,695	198,316	284,333	1,094,710	1,758,142	663,432	
	1914	10,057	139,481	105,613	447,475	712,801	265,326	489,493

Source: Bureau of the Census, Department of Commerce.

No. 808.—MANUFACTURES IN CITIES HAVING

NOTE.—All figures except number of wage earners in thousands of dollars. Data for the "Automobile but not in those for later years. Data for the "Coffee and spice roasting and grinding" industry are compiled. See also general note, p. 791

City and State	Wage earners (average for the year)				Wages (thousands of dollars)			
	1914	1923	1925	1927	1914	1923	1925	1927
Akron, Ohio	24,680	44,903	52,546	53,008	17,319	71,284	80,476	85,731
Albany, N. Y	9,371	10,542	9,809	9,378	5,635	13,823	12,383	13,030
Atlanta, Ga	12,585	16,005	18,208	18,583	6,004	16,116	17,643	17,674
Baltimore, Md	73,769	90,208	85,771	84,005	35,809	93,667	93,582	93,404
Birmingham, Ala	10,863	14,817	16,054	16,611	6,505	16,595	18,120	18,966
Boston, Mass	78,894	82,978	77,334	77,149	49,444	107,375	103,812	104,352
Bridgeport, Conn	30,042	33,207	28,763	28,415	16,929	37,882	34,904	36,615
Buffalo, N. Y	54,416	70,054	66,015	63,615	34,818	96,573	96,000	95,126
Cambridge, Mass	16,749	25,074	21,945	20,929	10,217	30,999	27,409	26,334
Camden, N. J	22,541	27,842	22,700	26,712	12,978	33,413	29,175	35,799
Chicago, Ill	313,710	385,685	370,041	372,061	213,737	571,725	563,635	576,159
Cincinnati, Ohio	59,861	65,665	63,715	62,493	33,159	78,724	80,996	79,701
Cleveland, Ohio	103,317	141,648	132,852	131,146	67,351	205,388	201,378	201,092
Columbus, Ohio	17,236	27,618	24,590	24,228	11,177	37,236	33,272	32,482
Dallas, Tex	5,284	8,143	9,412	9,459	3,464	9,420	11,104	10,471
Dayton, Ohio	24,061	29,665	29,341	30,218	14,076	41,779	43,665	44,392
Denver, Colo	11,062	15,629	15,077	15,054	7,942	19,942	19,971	19,458
Des Moines, Iowa	5,306	9,558	8,607	7,253	3,560	12,665	11,456	9,592
Detroit, Mich	98,603	171,025	172,742	189,649	69,447	282,741	293,896	318,096
Fall River, Mass	36,834	37,018	30,596	31,489	16,131	35,509	28,241	29,342
Fort Worth, Tex	2,308	6,249	6,968	7,419	1,542	7,558	8,492	9,079
Grand Rapids, Mich	17,427	24,033	25,479	24,449	10,296	32,669	36,294	35,420
Hartford, Conn	17,137	23,611	21,758	22,038	11,312	30,354	29,858	29,930
Houston, Tex	5,607	9,242	9,007	12,044	3,590	11,851	10,895	14,909
Indianapolis, Ind	30,971	45,818	41,805	42,136	19,042	54,364	51,394	54,969
Jersey City, N. J	31,021	33,264	30,607	24,732	17,651	44,736	42,496	30,340
Kansas City, Kans	13,695	16,264	14,137	13,509	8,176	19,460	17,575	18,397
Kansas City, Mo	16,252	22,956	25,576	25,486	10,504	29,118	32,884	32,147
Los Angeles, Calif	23,744	55,467	58,026	66,608	18,277	81,468	85,736	99,845
Louisville, Ky	25,930	37,620	37,672	34,366	14,196	42,145	43,355	39,822
Lowell, Mass	29,904	27,162	21,570	18,787	14,002	28,256	21,179	18,886
Memphis, Tenn	8,389	10,508	9,988	9,435	4,901	10,836	11,319	10,130
Milwaukee, Wis	61,839	74,590	77,432	86,550	36,270	93,424	105,123	120,806
Minneapolis, Minn	28,295	33,462	31,730	34,065	18,895	41,163	40,311	43,057
Nashville, Tenn	8,573	11,685	10,549	12,975	4,321	10,735	9,691	12,775
New Bedford, Mass	33,343	37,917	35,696	35,084	16,558	41,146	37,100	36,389
New Haven, Conn	24,993	26,108	22,863	25,096	14,462	30,648	28,464	31,136
New Orleans, La	17,348	21,575	22,118	22,289	8,538	18,737	20,291	21,645
New York, N. Y	585,279	579,005	538,845	552,507	357,498	851,186	844,648	904,646
Newark, N. J	63,084	70,066	66,854	62,727	36,647	89,465	89,640	89,568
Norfolk, Va	5,263	5,083	5,429	4,556	2,258	5,875	5,990	5,257
Oakland, Calif	7,706	15,027	15,537	15,867	5,966	21,096	21,654	23,174
Omaha, Nebr	8,922	18,142	15,463	14,780	5,810	23,195	21,048	19,044
Paterson, N. J	30,925	33,247	33,779	32,354	16,195	41,277	45,003	45,826
Philadelphia, Pa	251,286	274,319	246,680	243,608	138,249	350,438	332,415	334,811
Pittsburgh, Pa	69,620	76,665	65,414	61,892	45,068	110,466	94,468	89,039
Portland, Oreg	11,273	21,534	20,077	20,318	8,542	28,244	26,736	27,214
Providence, R. I	44,176	45,495	41,207	42,735	24,482	52,970	49,710	50,818
Reading, Pa	24,131	28,712	27,247	26,383	11,885	34,775	32,748	31,712
Richmond, Va	17,282	18,833	18,137	19,351	8,440	18,995	17,961	19,034
Rochester, N. Y	44,113	58,649	52,589	56,685	26,000	77,646	73,406	80,316
St. Louis, Mo	85,058	113,253	105,022	109,428	51,150	135,468	130,857	134,915
St. Paul, Minn	19,483	22,841	23,664	21,449	12,796	29,108	30,701	28,163
Salt Lake City, Utah	4,931	6,224	4,898	4,709	3,801	7,509	5,876	5,965
San Antonio, Tex	4,083	5,581	5,440	6,363	2,412	5,335	5,367	6,385
San Francisco, Calif	31,758	43,638	41,720	41,909	25,289	61,376	61,040	61,134
Scranton, Pa	12,569	13,093	12,578	11,115	6,040	13,537	13,697	12,311
Seattle, Wash	12,429	17,842	19,220	20,601	9,935	25,323	27,610	29,623
Spokane, Wash	3,020	4,580	6,098	5,678	2,465	5,973	7,981	7,617
Springfield, Mass	14,240	19,089	17,693	16,782	9,350	23,965	23,189	22,012
Syracuse, N. Y	17,551	23,921	23,086	22,562	11,031	31,631	31,118	32,196
Toledo, Ohio	27,076	41,613	37,269	38,727	18,124	57,537	57,451	57,049
Trenton, N. J	19,328	24,045	22,322	19,965	11,134	30,913	30,135	25,887
Washington, D. C	8,877	9,823	9,753	9,519	6,069	14,796	15,320	15,669
Wilmington, Del	15,048	14,993	13,549	13,993	8,674	19,041	17,057	17,926
Worcester, Mass	29,452	36,449	31,142	30,377	17,033	47,244	42,330	41,268
Yonkers, N. Y	12,650	14,005	12,662	13,414	6,455	18,803	17,677	18,511
Youngstown, Ohio	15,861	20,516	19,215	18,566	12,349	35,202	33,682	31,494

[1] Data not available for 1923.

IN 1920, 100,000 OR MORE INHABITANTS

repairing" and the "Poultry killing and dressing" industries have been included in the figures for 1914 not included in the figures for 1925, except for San Francisco, the only city for which these statistics were

Value of products				Value added by manufacture			City and State
1914	1923	1925	1927	1914	1925	1927	
122,292	406,837	565,391	567,482	58,230	234,796	252,035	Akron, Ohio.
25,211	53,026	52,178	58,185	13,311	26,972	30,533	Albany, N. Y.
41,279	122,284	131,237	115,830	18,162	59,193	51,488	Atlanta, Ga.
215,172	654,256	678,384	692,575	94,639	250,304	266,655	Baltimore, Md.
43,144	89,423	100,204	109,039	17,632	46,518	48,791	Birmingham, Ala.
234,802	583,600	585,992	617,973	134,234	295,722	310,021	Boston, Mass.
85,126	148,856	149,098	158,697	40,394	80,562	87,360	Bridgeport, Conn.
247,516	590,632	675,436	649,302	89,520	244,903	246,696	Buffalo, N. Y.
57,484	135,524	165,833	155,477	25,949	89,182	90,749	Cambridge, Mass.
71,824	180,766	164,051	196,860	35,730	81,703	99,146	Camden, N. J.
1,483,498	3,323,341	3,439,163	3,478,754	581,565	1,557,016	1,588,906	Chicago, Ill.
210,860	433,469	457,539	437,954	96,753	216,410	216,342	Cincinnati, Ohio.
352,418	1,096,503	1,094,780	1,040,754	153,925	494,888	484,236	Cleveland, Ohio.
57,608	180,843	178,289	169,068	26,972	80,612	82,211	Columbus, Ohio.
31,065	92,189	112,168	98,009	11,495	42,961	37,511	Dallas, Tex.
71,071	187,934	206,104	235,166	38,117	122,339	144,537	Dayton, Ohio.
46,982	120,790	125,763	116,748	18,946	53,232	48,068	Denver, Colo.
23,747	102,919	83,624	76,108	11,472	40,218	35,558	Des Moines, Iowa.
400,348	1,438,247	1,509,340	1,736,933	178,099	693,169	778,423	Detroit, Mich.
64,063	172,396	134,495	120,324	27,502	47,790	49,638	Fall River, Mass.
9,974	75,163	100,329	109,637	4,142	24,496	26,890	Fort Worth, Tex.
49,792	130,278	145,706	135,254	25,797	81,742	80,576	Grand Rapids, Mich.
42,831	101,894	109,678	111,089	25,187	64,248	69,953	Hartford, Conn.
25,868	80,134	87,445	102,154	9,744	36,573	41,952	Houston, Tex.
139,700	346,858	344,925	345,815	48,636	141,486	145,715	Indianapolis, Ind.
164,523	313,990	340,735	270,842	52,746	139,235	111,347	Jersey City, N. J.
159,760	262,447	288,545	296,646	20,433	48,913	51,266	Kansas City, Kans.
60,953	196,674	221,349	222,136	28,972	93,833	95,572	Kansas City, Mo.
103,458	417,654	531,827	610,539	44,517	256,337	304,370	Los Angeles, Calif.
105,223	240,538	263,093	242,696	49,624	113,870	108,770	Louisville, Ky.
56,049	100,998	81,136	69,171	22,945	37,574	35,104	Lowell, Mass.
39,153	95,537	108,877	91,670	16,128	40,210	34,147	Memphis, Tenn.
223,555	514,591	541,912	627,416	98,679	250,025	296,505	Milwaukee, Wis.
187,354	338,320	338,824	348,417	56,655	117,440	130,731	Minneapolis, Minn.
33,276	83,042	79,331	94,435	13,915	31,957	40,245	Nashville, Tenn.
65,575	149,999	143,551	125,542	28,001	63,471	60,656	New Bedford, Mass.
67,752	113,925	110,506	124,034	30,435	64,603	70,115	New Haven, Conn.
69,814	135,184	155,106	151,893	29,253	61,845	61,747	New Orleans, La.
2,292,832	5,349,077	5,324,414	5,722,071	1,063,677	2,605,621	2,868,237	New York, N. Y.
210,601	448,172	490,047	482,739	97,163	238,120	244,635	Newark, N. J.
13,710	29,232	35,455	29,127	6,390	15,551	14,092	Norfolk, Va.
23,522	122,492	144,841	159,003	13,523	60,741	64,629	Oakland, Calif.
66,438	315,971	339,004	307,472	18,372	59,786	58,005	Omaha, Nebr.
78,420	194,853	200,927	207,470	37,799	94,626	105,426	Paterson, N. J.
784,500	1,998,750	1,937,415	1,861,502	333,303	887,935	880,726	Philadelphia, Pa.
246,694	610,189	518,964	508,529	96,779	224,582	220,292	Pittsburgh, Pa.
55,697	154,415	150,521	146,974	21,798	65,359	63,809	Portland, Oreg.
115,335	215,654	212,118	214,617	51,365	105,050	105,372	Providence, R. I.
53,232	134,502	132,405	121,095	21,846	64,055	60,929	Reading, Pa.
62,491	146,413	157,450	220,743	31,932	83,477	128,598	Richmond, Va.
140,697	337,362	337,548	368,111	82,167	201,041	222,868	Rochester, N. Y.
360,480	914,277	874,557	937,416	156,674	361,127	387,917	St. Louis, Mo.
68,682	150,355	194,013	160,331	32,863	86,753	77,677	St. Paul, Minn.
16,663	47,572	32,589	35,115	8,130	15,708	15,669	Salt Lake City, Utah
17,849	34,756	33,634	45,165	7,759	15,638	20,164	San Antonio, Tex.
192,300	416,318	426,810	429,728	65,200	181,283	192,036	San Francisco, Calif.
28,722	64,169	61,282	55,704	12,923	28,080	26,735	Scranton, Pa.
64,475	155,781	159,506	163,082	28,705	69,998	73,295	Seattle, Wash.
16,636	40,562	43,156	46,170	7,182	17,030	18,071	Spokane, Wash.
44,429	104,568	109,516	103,922	22,514	53,146	57,872	Springfield, Mass.
52,164	149,145	154,029	147,903	28,413	83,019	81,632	Syracuse, N. Y.
115,049	360,375	371,120	360,115	44,555	143,475	114,901	Toledo, Ohio.
54,822	116,623	126,516	107,417	24,879	63,547	57,694	Trenton, N. J.
28,987	73,108	83,577	90,390	16,739	50,073	54,291	Washington, D. C.
39,403	80,016	76,502	81,706	17,262	34,526	37,556	Wilmington, Del.
82,829	212,043	210,461	193,502	37,035	105,065	97,371	Worcester, Mass.
67,223	144,396	120,467	107,998	15,115	36,553	32,974	Yonkers, N. Y.
92,111	272,184	236,180	207,379	23,034	65,177	63,901	Youngstown, Ohio.

Source: Bureau of the Census, Department of Commerce.

No. 809.—INDEXES OF PRODUCTION OF MANUFACTURES AND MINERALS

NOTE.—The manufactures index covers 50 industries and the minerals index 8. Both indexes have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923–1925=100]

Month	Manufactures							Minerals						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	100	99	106	109	105	108	117	101	103	105	92	116	103	118
February	100	102	106	108	107	110	116	99	104	99	95	117	103	120
March	103	101	106	108	109	111	120	102	98	95	104	118	103	107
April	106	95	103	107	109	110	123	111	92	100	107	107	105	115
May	106	88	102	106	111	109	125	108	93	105	104	109	105	116
June	105	84	102	108	109	111	129	108	92	101	106	105	101	113
July	103	82	103	107	107	111	126	111	92	104	107	99	101	114
August	100	88	102	111	107	113	124	110	92	107	109	106	105	114
September	100	93	104	112	105	116	122	97	97	89	110	104	107	118
October	98	95	107	110	102	115	117	107	96	90	114	105	114	118
November	96	97	109	106	99	113	105	105	96	94	118	101	113	110
December	96	102	111	103	99	115	96	98	99	93	110	103	112	116

No. 810.—MANUFACTURES PRODUCTION: INDEXES FOR GROUPS OF INDUSTRIES

NOTE.—These indexes cover the 50 industries totaled in Table 809. They have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923–1925=100]

Year and month	Total	Iron and steel	Textiles	Food products	Paper and printing	Lumber[1]	Automobiles	Leather and shoes	Cement, brick, and glass[2]	Nonferrous metals	Petroleum refining	Rubber tires	Tobacco manufactures
1919	84	82	92	94	76	79	50	104	55	67	54	------	82
1920	87	99	84	84	87	79	58	97	66	78	64	------	87
1921	67	46	87	83	70	68	41	90	63	39	64	55	85
1922	87	83	99	94	85	80	66	102	80	69	74	77	89
1923	101	105	105	99	94	99	102	110	95	94	86	86	96
1924	94	89	91	103	99	96	91	94	95	99	99	98	99
1925	105	106	104	98	107	105	107	96	110	107	115	116	105
1926	108	113	104	97	114	101	108	98	113	112	127	116	112
1927	106	104	113	96	112	95	86	103	109	109	130	120	118
1928	111	110	107	98	118	*94*	110	103	120	115	152	144	124
1929	119	129	115	97	125	*90*	135	105	132	125	168	135	134
1928													
January	106	107	107	103	114	*92*	90	99	114	100	135	124	119
February	110	113	108	110	116	*93*	98	103	117	108	140	135	120
March	111	114	107	105	118	*94*	108	102	112	108	141	134	120
April	110	122	101	98	119	*95*	105	97	111	109	147	133	120
May	109	116	107	96	120	*93*	104	93	116	111	149	133	120
June	111	115	108	93	118	*91*	114	108	123	115	153	143	125
July	111	124	100	89	118	*94*	116	112	119	113	155	149	125
August	113	121	107	90	118	*87*	130	112	126	117	160	151	129
September	116	128	107	95	119	*88*	136	110	130	117	162	109	128
October	115	126	112	98	116	*81*	119	103	122	121	160	167	126
November	113	120	113	102	121	*85*	92	97	122	126	159	154	124
December	115	123	111	104	121	*87*	101	92	130	128	158	144	127
1929													
January	117	117	116	103	122	*89*	150	95	134	124	159	148	131
February	116	126	113	101	123	*78*	148	98	123	123	160	152	129
March	120	132	116	96	125	*83*	159	99	135	129	160	152	126
April	123	135	120	102	124	*86*	153	97	127	137	165	161	142
May	125	145	121	97	127	*83*	148	101	124	137	168	158	142
June	129	155	121	96	128	*85*	162	113	134	126	170	162	139
July	126	151	118	96	124	*87*	142	114	138	127	171	141	131
August	124	148	120	99	125	*88*	143	116	142	122	176	119	133
September	122	139	116	98	129	------	133	116	143	120	173	116	136
October	117	124	118	96	126	------	113	113	141	121	178	114	135
November	105	100	108	96	122	------	81	105	130	119	171	94	130
December	96	90	96	95	118	------	40	93	117	114	166	80	133

[1] Figures printed in italics are not comparable with those for earlier years.
[2] Beginning 1928 data for paving brick are excluded. Data included for face brick July to December, 1929, are estimates.

Source of Tables 809 and 810: Federal Reserve Board.

No. 811.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of materials. The products listed under cotton goods and cotton small wares, woolen and worsted goods, felt goods, wool carpets and rugs, wool-felt hats, fur-felt hats, and wool shoddy represent only the output of concerns classified as engaged primarily in the respective industries. Certain quantities, usually small, of some of the products are also made in establishments classed under other industries. The values of such quantities for 1927 are as follows: Cotton goods, $9,914,973 (not including products of cordage and twine mills); woolen and worsted goods, $14,145,016; felt goods, $997,972; wool-felt hats, $646,154; carpets and rugs, $71,951; fur-felt hats $862,462. The articles listed under other industries of the textile group include data for the same commodities made as secondary products outside the industry to which they properly belong.

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
COTTON-GOODS AND SMALL-WARES INDUSTRIES							
All products, total value					688,094	1,789,043	1,632,221
Sheetings	Sq. yard	2,665,627	1,638,169	1,857,476	133,332	180,357	167,888
Print cloth	do		1,166,374	1,583,861		98,453	109,826
Voiles	do		124,479	151,654		14,438	15,012
Lawns, nainsooks, cambrics, and similar muslins	do	1,153,242	326,087	272,454	60,218	43,323	32,101
Tobacco, cheese, butter, bunting, and bandage cloths	do		451,633	660,424		16,269	19,208
Ginghams	do	489,661	356,476	290,619	36,706	57,591	37,129
Shirtings	do	185,326	455,397	378,530	15,948	75,757	55,437
Drills	do	289,970	286,115	347,776	21,257	42,389	40,693
Twills and sateens	do	392,109	532,831	413,997	32,892	84,133	50,336
Ticks and denims	do	229,330	228,854	313,401	24,948	56,307	60,150
Osnaburgs	do	(1)	118,069	104,976	(1)	18,449	17,900
Cotton flannel (canton flannel, flannelettes, and blanketings)	do	263,862	340,416	400,097	24,352	53,607	55,888
Tire duck	do	251,368	40,762	35,474	49,179	16,629	11,343
Ducks (except tire)	do		193,334	218,505		53,827	57,929
Tire fabrics (except tire duck)	do	(1)	201,365	190,457	(1)	88,997	69,631
Tapestries	do	10,138	15,737	18,619	5,412	17,390	16,612
Pile fabrics:							
Plushes, velvets, velveteens, etc.	do	29,129	33,478	42,689	8,540	40,679	45,710
Corduroys	do		21,593	23,171		9,553	8,677
Turkish towels and toweling	do	[2]75,799	50,663	169,997	[2]9,805	18,253	42,611
Towels, etc. (except pile fabrics)	do		75,903			19,897	
Cotton table damask	do	(1)	53,468	33,523	(1)	3,384	6,751
Blankets	do	(1)	92,077	107,263	(1)	29,548	29,452
Bedspreads and quilts (crochet, marseilles, and satin)	do	(1)	52,637	71,283	(1)	16,703	18,950
Bags made from fabric woven by establishment	do	[3]129,357	12,694	17,558	[3]9,706	12,665	3,271
Small wares					[4]4,927	67,127	62,156
Yarns for sale	Pound	497,987	628,170	664,745	127,364	313,907	253,802
Thread	do	20,507	34,167	29,992	22,917	53,284	46,409
Batting, wadding, and mattress felts	do	(1)	90,681	129,836	(1)	14,134	16,301
Cotton waste for sale	do	317,360	419,604	485,308	14,422	40,824	26,842
All other products					86,169	231,294	254,920
COTTON-LACE INDUSTRY							
All products, total value					13,207	30,843	27,298
Nottingham lace curtains	Pair	5,591	4,560	6,036	4,079	10,277	11,305
Nottingham lace curtain nets	Lin. yard	7,505	28,612	19,197	1,258	8,823	5,518
Levers laces	Sq. yard	7,237	8,982	(5)	3,681	6,548	6,263
All other products					3,589	5,195	4,212

[1] Not reported separately.
[2] Includes "All other terry weaves."
[3] Includes bags and bagging.
[4] Not strictly comparable with 1925 and 1927 because of changes in classification of certain products.
[5] Data not available.

No. 811.—Textile Manufactures: Production—Continued

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
KNIT GOODS							
All products, total value					258,913	809,960	816,620
Hose	Doz. pair	44,186	59,597	110,006	63,145	302,219	453,593
Half hose	do	30,978	40,180		34,954	101,046	
Sueded cotton gloves	do	2,470	70	28	10,520	744	350
Gloves and mittens (except sueded)	do		1,231	1,022		8,340	6,087
Shirts and drawers	Dozen	21,759	11,262	8,492	57,523	60,845	38,961
Union suits	do	6,273	11,500	9,786	35,596	90,215	83,685
Bathing suits	do	274	695	740	2,034	16,322	15,857
Scarfs and shawls	do	63	492	188	714	4,661	2,215
Headwear	do	987	805	700	3,456	4,511	3,877
Neckties	do	(5)	2,705	1,810	(5)	8,961	5,853
Jersey cloth and tricollette	Sq. yard	10,594	42,172	44,439	4,379	36,451	37,697
Stockinette	do					2,168	957
Glove and shoe linings	do	6,222			670	4,632	4,773
Towels and towelings	do	(1)	976	920	(1)	701	659
Cotton yarns for sale	Pound	17,053	8,098	6,169	3,990	3,639	1,891
Cotton waste for sale	do	12,999	12,309	15,299	629	1,321	1,013
All other products					41,303	153,584	158,252
SILK GOODS							
All products, total value					254,011	808,979	750,124
Broad silk:							
All silk	Sq. yard	[7] 142,713	384,725	385,530	96,690	426,000	376,919
Silk mixed	do	[7] 73,320	98,391	127,206	41,030	103,121	108,696
Velvets	do	[7] 16,318	6,078	5,484	8,570	14,525	11,900
Plushes	do	[7] 9,115	925	1,310	10,136	2,352	2,748
Upholstery and tapestry	do	[7] 478	2,675	3,705	840	5,037	8,303
Organzine, tram, and crêpe twist for sale	Pound	4,070	9,660	11,409	16,024	66,478	70,247
Spun silk for sale	do	1,607	4,692	4,456	4,577	20,364	15,696
Machine twist	do	660	800	723	4,037	8,971	6,474
Sewing, embroidery, and other floss silks.	do	902	764	659	5,645	6,020	5,768
Ribbons					38,201	52,061	36,041
Laces, embroideries, nets, veils, veilings, etc.					[8] 1,329	1,326	
Fringes and gimps					1,025	6,794	7,508
Braids and binding					3,073	14,513	11,285
All other products					22,834	81,417	88,530
WOOLEN AND WORSTED GOODS							
All products, total value					379,484	957,790	817,973
Suitings, dress goods, overcoatings, and cloakings [9]	Sq. yard	455,044	460,922	414,320	238,310	568,302	458,458
All-wool woolen	do	90,950	153,323	130,635	55,660	198,964	167,484
All-wool worsted	do	222,421	179,163	173,754	141,778	275,617	231,998
Wool and cotton mixed	do	31,400	26,124	30,433	11,711	25,943	20,844
Cotton-warp woolen	do	53,510	60,933	46,609	13,598	40,020	24,785
Cotton-warp worsted	do	56,763	41,379	26,889	15,563	25,749	14,342
Flannels for underwear (all wool)	do	2,176	672	(5)	880	299	(5)
Flannels for underwear (cotton mixed)	do	4,996	999	(5)	1,090	649	(5)
Domett flannels and shirtings	do	16,092	7,206	8,413	2,814	3,440	3,627
Satinets and linseys	do	8,415	11,877	3,974	1,535	4,244	1,282
Blankets, all-wool	do	6,490	11,084	17,295	4,187	10,989	12,359
Horse blankets	do	8,165	1,410	1,069	2,018	787	631
Yarns for sale	Pound	132,560	151,000	145,728	85,872	210,692	183,430
Noils and wool waste for sale	do	50,395	42,591	48,419	10,140	17,887	18,491
All other products					32,638	142,502	138,705

[1] Not reported separately.
[5] Data not available.
[6] Included in "All other products."
[7] Linear yards. Comparable figures in square yards not available.
[8] Exclusive of embroideries, which are included in "All other products."
[9] Includes data only for the five classes specified below. Data for other suitings such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in figures for "all other products."

No. 811.—Textile Manufactures: Production—Continued

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
FELT GOODS							
All products, total value					13,693	43,776	41,895
Felt cloths	Pound		6,391	6,401	797	15,821	15,009
Trimming and lining felts, skirts and skirtings	do		2,690	3,708	1,321	2,088	3,122
Boot and shoe linings	do		1,163	1,723	1,513	957	1,165
Hair felting	do		31,058	31,095	635	5,209	6,075
All other felts					8,829	16,516	13,644
All other products					598	3,185	2,880
HATS, WOOL-FELT							
All products, total value					1,944	8,949	9,382
Hats	Dozen	381	373	386	1,777	6,340	5,528
Hat bodies and hats in the rough	do	6	185	379	13	1,347	2,734
All other products					154	1,261	1,120
CARPETS AND RUGS							
All products, total value					69,128	187,779	166,888
Carpets	Sq. yard	17,311	21,859	16,872	15,187	49,024	40,778
Rugs, made of sewed strips	do	20,855	14,264	9,340	25,946	53,628	35,106
Rugs, woven whole	do	28,174	35,977	40,981	23,551	79,233	87,333
All other products					4,444	5,894	3,671
WOOL SHODDY							
All products, total value					7,707	21,022	12,597
Recovered wool fiber	Pound	43,156	67,543	40,823	5,977	19,057	10,710
All other products					1,730	1,965	1,887
CORDAGE AND TWINE AND JUTE AND LINEN GOODS [10]							
All products, total value						148,965	132,031
Rope, cable, and cordage:							
Manila hemp	Pound		101,006	105,614		21,791	22,607
Sisal	do		43,094	30,712		6,469	4,439
Henequin	do		5,223	12,992		778	1,840
Cotton	do		25,903	27,404		9,278	7,602
All other	do		58,033	55,029		9,651	8,154
Twine, binder	do		233,601	199,795		29,249	19,457
Twine, cotton	do		49,941	64,208		19,734	20,160
Twine, other	do		56,591	74,065		11,000	12,813
Yarns for sale	do		97,475	88,539		19,475	15,742
Linen thread	do		2,857	2,708		4,004	4,211
Linen woven goods	Sq. yard		7,847	8,533		2,033	2,695
Jute bagging	do		45,871	48,272		5,048	5,200
All other products						8,855	7,111
HATS, FUR-FELT							
All products, total value					37,350	80,086	99,300
Hats	Dozen	2,119	1,733	2,052	33,604	62,224	73,333
Hat bodies and hats in the rough	do	329	953	1,176	2,373	14,461	18,871
All other products					1,373	3,441	7,096
FLOOR COVERING, OILCLOTH, AND ARTIFICIAL LEATHER [10]							
All products, total value						136,307	133,239
Oilcloth (cotton back)	Sq. yard		81,020	105,284		18,822	18,763
Linoleum (jute back)	do		52,830	49,921		44,513	42,031
Floor covering (felt back) [11]	do		77,889	111,793		30,029	34,900
Artificial leather [11]	do		68,580	61,792		35,790	20,165
All other products						7,153	4,819

[10] Comparable figures for 1914 not available.

[11] "Artificial leather" and "Asphalted felt-base floor covering" were given separate classifications for the first time at the census of 1923.

Source: Bureau of the Census, Department of Commerce.

No. 812.—CHEMICALS: Products Made for Sale

NOTE.—The table includes products made in all industries, sometimes as by-products. In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals. Tons are of 2,000 pounds

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Total value					200,196	[1] 636,972	[1] 655,319
Acids:							
Acetic	Pound	70,618	65,592	76,432	1,272	4,438	5,524
Boric (boracic)	do	8,584	15,605	21,010	589	1,202	1,583
Carbonic	do	50,446	59,721	74,344	2,321	5,128	6,048
Citric	do	2,658	7,598	7,058	1,516	3,470	3,161
Hydrochloric (muriatic)	Ton	85	155	162	1,349	2,976	3,016
Mixed (sulphuric-nitric)	do	43	61	61	2,204	3,767	3,821
Nitric	do	15	27	29	1,592	3,560	3,559
Oleic	Pound	21,933	53,276	55,686	1,301	5,171	4,778
Phosphoric	do	12,420	21,330	22,397	680	1,489	1,682
Stearic	do	14,351	26,877	37,277	1,243	3,379	3,832
Sulphuric (basis 50° B)	Ton	2,338	4,700	4,972	15,395	38,230	42,886
Sulphuric reclaimed (50° B for 1925 and 1927)	do	136	210	191	519	1,479	1,089
Other acids					2,856	4,985	7,208
Alums	Ton	157	307	341	3,468	8,735	9,525
Aluminous abrasives	do	[2]	16	20	[2]	1,789	1,970
Other aluminum compounds					[2]	1,057	2,068
Bleaching compounds:							
Chlorine	Pound	12,217	104,960	180,163	473	4,236	6,678
Hypochlorites (calcium, sodium)	Ton	155	131	135	2,916	5,842	5,589
Peroxide bleaches	Pound	32,595	34,696	30,305	1,303	3,341	3,079
Sulphur bleaches					610	3,748	3,629
Coal-tar products:							
Crudes					8,065	25,403	24,862
Intermediates						25,324	22,844
Dyes and other finished products					5,427	61,474	58,350
Gases, compressed and liquefied					10,415	55,532	[3]
Nitrogen compounds:							
Ammonia (aqua)	Pound	35,544	66,228	46,225	1,412	3,027	1,260
Ammonia (anhydrous)	do	16,660	31,725	45,115	3,141	6,772	4,011
Ammonium chloride	do	11,512	[4]	[4]	641	[4]	[4]
Other ammonium compounds					472	6,268	6,325
Ferric ferrocyanide	Pound	[2]	4,971	4,104	2,399	1,620	1,365
Other cyanides	do					5,044	4,946
Other nitrogen compounds					1,805	7,927	8,178
From coke-oven operations not included in total value (Bureau of Mines)—							
Ammonium sulphate	do	[2]	986,179	1,225,625	[2]	22,465	23,905
Liquor (NH_3 equivalent)	do	[2]	47,129	49,011	[2]	4,386	2,335
Plastics:							
Pyroxylin, including collodion	Pound	[2]	47,005	[5] 16,298	3,778	27,878	[5] 14,410
Finished articles of pyroxylin					5,527	10,984	6,801
Rubber substitutes	Pound						
Artificial silk, visca, cellophane, etc.	do				4,591	[3]	[3]
Other plastics						9,870	6,992
Potassium compounds:							
Bitartrate (cream of tartar)	Pound	12,696	7,073	7,595	3,125	1,472	1,747
Iodide	do	[2]	495	528	4,731	1,821	1,897
Other						2,778	5,663
Sodium compounds:							
Bichromate and chromate	Ton	12	28	31	1,125	3,527	3,780
Biborate (borax)	do	27	50	65	2,072	4,083	5,079
Carbonates—							
Soda ash	do	935	1,369	1,466	10,938	32,244	29,939
Sal soda (crystals)	do	107	64	55	1,510	1,332	1,371
Bicarbonate	do	90	123	121	1,439	3,652	3,647
Modified sodas	do	[2]	47	54	[2]	1,551	1,828
Hydroxide (caustic)	do	292	487	561	9,105	27,392	29,193
Repacked caustic	do	[2]	27	21	[2]	4,415	4,128
Phosphates	do	15	80	97	853	5,755	6,935
Silicate	do	169	395	505	1,649	5,717	6,826

[1] Not including value of rayon for 1925 and 1927 nor value of compressed and liquefied gases for 1927. (See footnote 3.)
[2] No data.
[3] Treated as a separate industry; for gases compressed and liquefied, 1927, see Table 814, p. 834.
[4] Included in other ammonium compounds.
[5] Data for pyroxylin solutions and thinners excluded for 1927 in this table but included under "Paint and Varnish" in Table 814.

No. 812.—Chemicals: Products Made for Sale—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Sodium compounds—Continued.							
Sulphates—							
Salt cake	Ton	90	141	175	842	2,339	2,787
Glauber's salt	do	35	58	53	428	1,265	1,082
Thiosulphate (hypo)	do	(2)	24	24	(2)	1,051	993
Other	do	(2)	104	123	(2)	529	744
Sulphide	do	20	24	38	517	1,203	1,692
Other					2,148	13,466	13,806
Miscellaneous:							
Acetone	Pound	10,426			1,100		
Barium compounds					361	1,498	1,607
Bismuth compounds					(2)	1,216	933
Calcium—							
Acetate	Ton	82	73	69	2,139	3,437	4,021
Arsenate	Pound	(2)	15,199	27,252	(2)	1,075	1,665
Carbide	Ton	(2)	128	202	(2)	6,599	9,398
Chloride	do	45	171	191	342	3,719	4,443
Hypochlorite	do	(2)	115	111	(2)	3,967	4,148
Phosphate	do	12	36	34	1,299	4,455	4,914
Other					(2)	893	2,658
Carbon bisulphide	Pound	(2)	39,875	44,972	(2)	1,934	2,160
Cobalt compounds and alloys					(2)	413	518
Copper sulphate (blue vitriol)	Pound	37,152	32,297	50,667	1,599	1,684	2,774
Ethyl acetate	Gallon	(2)	2,007	4,607	(2)	2,407	3,701
Ferro-alloys (not blast furnace)	Ton	(2)	150	197	(2)	15,255	17,049
Formaldehyde	Pound	8,426	21,972	26,447	655	1,591	2,432
Glycerin (glycero) refined	do	59,810	94,303	89,585	10,770	16,991	19,186
Iron sulphate (copperas)	Ton	46	53	62	353	603	673
Lead arsenate	Pound	8,642	11,938	21,528	512	1,778	3,190
Silver nitrate	Ounce	(2)	4,339	4,897	[6]846	2,023	1,957
Sulphur, refined	Ton	31	47	44	1,141	2,121	1,799
Tin—							
Oxide	Pound	8,291	4,788		2,029	2,905	10,583
Chloride	do		12,599			8,832	
Other	do					47	
Vanillin	do	121	215	300	526	1,134	1,923
Zinc chloride	do		58,947	58,268	[7]1,131	1,993	1,921
All other products					59,391	132,764	169,274
Intergroup duplications					[8]13,269	[8]49,368	[8]21,855

[2] No data. [6] Includes other silver salts. [7] Includes other zinc compounds.

[8] Because of intergroup duplication the sum of the various products exceeds the total value of all products by this amount. For example, nitric acid is shown under "Acids" and is also included under "Other nitrogen compounds," likewise calcium hypochlorite is included in "Hypochlorites" under "Bleaching compounds" and is shown under "Calcium compounds."

No. 813.—NATURAL DYESTUFFS AND TANNING MATERIALS: Production [1]

Product	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1914	1925	1927	1914	1925	1927
All products, total value				21,383	36,278	37,192
Natural dyestuffs:						
Extracts	40,779	23,402	26,500	1,739	1,971	2,049
Ground, chipped, or dry	(2)	1,226	921	124	44	20
Tanning extracts:						
Oak and chestnut	328,198	303,089	319,155	4,130	5,353	5,071
Hemlock	18,978	8,622	6,596	340	284	210
Sumac	4,512	4,212	5,525	130	261	277
Quebracho	109,597	82,385	124,557	2,945	2,395	3,010
Other					2,040	1,854
Other tanning materials				354	499	499
Mordants				392	985	959
Sizes:						
Dextrin	18,914	56,350	31,917	706	3,336	2,093
Rosin	20,717	146,859	157,591	373	5,498	5,869
Gum, other than rosin	3,832	44,356	16,042	205	2,279	920
Starches, glue, and other	(2)	28,422	30,980	1,769	1,592	2,405
Turkey red oil	11,682	14,338	15,580	820	1,552	1,560
Softeners and other assistants				717	3,224	3,622
All other products				6,639	5,055	6,204

[1] Products made in all industries, sometimes as by-products, are included. [2] No data.

Source of Tables 812 and 813: Bureau of the Census, Department of Commerce.

No. 814.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 812), petroleum refining (Table 787), manufactured gas (Table 776), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Data include, except where otherwise stated, not only products of the major industry specified but also similar products made in other industries. Tons are of 2,000 pounds

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
BONE BLACK, CARBON BLACK, AND LAMPBLACK							
All products, total value					2,972	17,189	16,369
Bone black	Pound	44,509	64,135	59,359	1,532	2,540	2,524
Carbon black	do	22,869	177,417	198,429	918	9,640	10,955
Lampblack	do	(1)	12,032	8,800	504	4,435	1,040
All other products					18	574	1,850
FERTILIZERS							
All products, total value					169,018	214,809	198,923
Fertilizers	Ton	3,432	3,157	3,027	153,261	192,112	170,461
Complete and ammoniated fertilizers	do	5,612	5,058	5,163	121,677	146,606	130,310
Superphosphates for sale	do	1,693	2,639	2,435	14,779	35,180	30,003
Concentrated phosphates for sale	do	68			1,367		
Other fertilizers	do	1,059	460	429	15,438	10,327	10,148
Sulphuric acid (basis 50°), total[2]	do	1,406	2,008	2,045			
Made for sale	do	129	663	775	769	4,812	6,158
Fish scrap	do	63	72	96	1,916	2,928	3,349
All other products					13,072	14,957	18,955
PAINT AND VARNISH							
All products, total value					149,173	511,999	558,947
Colors (pigments)	Pound	459,052	1,608,119	1,773,889	17,450	103,919	105,756
Paints in paste form	do	420,012	434,583	408,722	29,038	55,707	49,554
Ready mixed paints	Gallon	41,043	87,640	94,071	41,691	158,376	165,664
Water paints and kalsomine, dry or in paste	Pound	61,004	110,618	122,456	2,055	4,636	6,321
Varnishes, japans, and lacquer, including enamels	Gallon	37,412	88,692	106,452	32,252	136,491	170,579
Fillers:							
Liquid	do	960	722	566	670	922	722
Paste and dry	Pound	49,588	42,004	41,486	1,319	2,304	2,109
Putty	do	69,828	101,209	102,703	1,250	3,926	4,256
Bleached shellac	do	8,655	11,180	10,611	1,807	5,991	5,015
Other products					21,641	39,727	43,972
SOAP							
All products, total value					135,804	282,728	293,352
Hard soaps	Pound	1,696,484	2,109,133	2,219,228	104,465	191,384	191,453
Toilet soaps	do	169,926	272,207	287,696		49,387	53,573
Soap chips	do	97,746	325,013	373,216		36,284	39,422
Laundry and foots soap	do	1,428,812	1,444,018	1,502,183		98,247	93,092
All other hard soaps			67,865	56,133		7,466	5,371
Powdered soaps	do	367,744	142,322	173,930	(1)	15,790	18,130
Soap powders, cleaners, cleansing, scouring, and washing powders			547,086	526,453		25,858	26,910
Soft soap	do	57,002	61,189	59,014	1,097	2,514	4,231
Liquid soap	do	(1)	22,047	24,934	(1)	2,122	3,241
Special soap articles[2]	do	(1)	52,836	63,708	833	3,932	4,902
Glycerin (for sale)—							
Crude	do	12,745	25,842		1,818	3,518	
Refined	do	32,674	72,597		5,776	13,092	44,480
Perfumes and toilet preparations[2]					6,805	24,518	
All other products					13,910		
COMPRESSED AND LIQUEFIED GASES							
All products, total value					[3] 10,415	[3] 55,532	62,344
Acetylene	Cu. ft.	121,096	525,746	682,481	2,318	13,515	16,196
Hydrogen	do	1,669	150,502	103,714	17	877	742
Oxygen	do	104,714	2,073,826	2,359,896	1,829	22,577	23,987
Nitrous oxide (laughing gas)	Gallon	17,898	54,862	66,392	213	729	810
Other gases					6,038	17,834	20,129
All other products					(4)	(4)	480

[1] Data not available.
[2] Includes only output of industry specified above.
[3] Excludes "All other products."
[4] Separate data not available.

No. 814.—Miscellaneous Industries Involving Chemical Processes: Census Statistics of Products—Continued.

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
DRUGGISTS' PREPARATIONS							
All products, total value					49,378	80,921	108,502
Caffeine	Pound		322	399	16,232	1,047	1,178
Codein	do		6	9		702	1,169
Morphine	do		6	11		922	1,391
Strychnine	do		14	28		122	190
Nicotine	do		711	790		1,082	2,011
Other, including quinine and other cinchona alkaloids, and alkaloids not itemized.						1,302	1,215
Biological products					5,224	10,622	18,411
Tinctures, fluid extracts, medicinal sirups, and other liquid preparations not otherwise accounted for.					13,900	30,232	38,612
Pills, tablets, powders, etc., not otherwise accounted for.					12,288	32,554	41,745
Pharmaceutical metals and their salts					732	1,176	2,580
PATENT AND PROPRIETARY MEDICINES							
All products, total value					83,455	174,308	184,073
For sale to the general public					83,455	134,188	140,679
Ethical specialties (dispensed on prescription).						40,118	43,394
PATENT AND PROPRIETARY COMPOUNDS							
All products, total value					16,514	72,988	84,132
Antiseptics					16,514	13,542	17,864
Liquid deodorants	Pound			6,378		2,719	1,517
Block and crystal deodorants	do			514			380
Powder deodorants	do			1,672			347
Other deodorants	do			630			329
Coal-tar disinfectants	do			23,231		5,775	3,825
Pine oil disinfectants	do			2,807			442
Chloride of lime and chlorine products	do			1,391			124
Other disinfectants	do			7,284			1,698
Germicides						1,306	2,237
Sprays, fly	Pound			18,408		18,904	6,101
Insect powder (pyrethrum)	do			2,731			1,772
Fluoride powders and mixtures	do			615			310
Moth repellants	do			3,080			1,104
Other household insecticides	do			14,197			3,621
Agricultural insecticides and fungicides.							8,782
All other compounds						30,442	33,679
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS							
All products, total value					34,206	147,893	178,474
Perfumes					34,206	20,358	15,302
Toilet waters							8,469
Creams						35,549	29,219
Rouges							11,402
Dentifrices						25,736	30,693
Hair tonics						9,991	11,639
Face powders						21,378	21,583
Talcum powders							8,003
Other toilet powders							3,097
All other toilet preparations						34,382	38,979
ICE, MANUFACTURED							
All products, total value					67,320	193,267	190,556
Ice:							
Ice industry	Ton	18,326	38,813	39,053	55,258	180,782	178,639
Can ice	do	17,146	38,229	38,804	52,160	178,157	177,765
Plate ice	do	1,179	585	193	3,108	2,623	874
Other industries	do	2,718	1,350	1,229	6,934	6,298	5,761
All other products, etc.					5,128	6,187	6,156

Source: Bureau of the Census, Department of Commerce.

No. 815.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

NOTE.—For value of products of the tanning industry see Table 806, p. 807

Kind	1914	1924	1925	1926	1927	1928	1929
Sole leather, cattle..1,000 backs, bends, sides	18,098	14,040	14,879	13,615	15,829	16,138	14,516
Belting leather..1,000 butts and butt bends	974	1,231	809	809	929	847	990
Harness leather..1,000 sides	2,944	1,269	1,288	1,169	1,016	813	942
Bag case and strap leather..do	1,005	1,056	1,175	1,183	1,105	812	947
Upholstery leather:[1]							
Whole-hide grains..1,000 hides	654	466	463	405	354	321	273
Machine buffed..do	(2)	183	163	196	148	149	141
Whole hide splits..1,000 pieces	1,105	917	832	807	938	709	672
Upper leather (other than patent):[1]							
Cattle (including kip side)..1,000 sides	8,258	14,329	15,338	15,476	13,459	11,485	12,610
Calf and kip..1,000 skins	15,869	15,981	13,621	14,943	16,150	14,975	14,540
Goat and kid..do	29,875	34,641	40,887	48,415	49,417	52,862	54,355
Cabretta..do	(2)	2,380	2,412	2,344	1,551	2,064	1,672
Sheep and lamb..do	16,795	18,148	14,124	13,973	14,849	16,952	17,752
Patent leather (other than upholstery):[1]							
Cattle (including kip side)..1,000 sides	1,791	8,854	8,628	7,459	8,388	7,831	5,954
Horse and colt..1,000 half fronts	1,259	802	684	610	416	425	271
Goat and kid..1,000 skins	3,615	865	991	504	430	734	302
Glove and garment leather:[1]							
Horse, colt, ass, and mule—							
Half fronts..thousands	614	1,000	1,146	1,009	1,459	1,500	1,857
Shanks..do	-------	1,165	1,011	1,143	1,154	1,301	1,429
Cabretta..1,000 skins	(2)	1,197	1,878	2,071	1,820	1,014	1,066
Sheep and lamb..do	3,912	5,561	5,326	5,297	7,576	9,026	8,633
Fancy and bookbinders' leather:[1]							
Sheep and lamb..1,000 skins	[3] 6,051	2,847	1,984	2,369	2,825	3,201	2,618
Goat and kid..do	(2)	338	541	664	717	1,116	889
Splits (other than upholstery) finished and rough..1,000 pieces	(2)	20,361	24,023	24,617	24,645	21,945	22,465

[1] Figures shown for principal kinds only. [2] Not available. [3] Reported as "fancy" only.

Source: Bureau of the Census, Department of Commerce.

No. 816.—BOOTS AND SHOES: PRODUCTION

NOTE.—In thousands of pairs. Detailed value data were not collected at the censuses. For total value of products of the industry see Table 806, p. 807. Data for 1922 to 1929 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States

Year	Total	Men's	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather)	Canvas and other textile	Not specified (including slippers)
1914	292,666	98,031	22,896	80,916	48,322	15,477	(1)	(1)	27,024
1919	331,225	95,017	26,504	104,813	48,538	16,669	586	11,056	28,042
1921	286,771	69,458	18,462	101,474	35,066	17,379	5,547	8,602	30,784
1922	323,576	89,984	21,632	105,368	39,444	23,939	8,448	6,739	28,323
1923	351,114	100,283	22,239	109,676	40,136	27,015	6,434	8,347	36,984
1924	313,230	84,663	20,274	104,135	35,694	23,823	5,853	6,260	32,529
1925	323,553	86,546	21,021	104,782	38,691	24,587	5,914	8,564	33,448
1926	324,514	86,644	21,111	110,447	38,577	24,041	5,318	4,790	33,586
1927	343,006	95,328	24,229	116,259	39,650	24,542	[2] 1,488	3,301	38,809
1928	344,351	90,970	23,032	123,753	37,135	23,835	[2] 1,547	3,760	40,319
1929	361,402	94,770	22,993	131,303	39,927	23,750	[2] 1,612	3,121	43,926

[1] Not reported separately; included with "not specified, etc."
[2] Excludes certain heavy footwear formerly classified as "athletic" but properly included with men's.

Source: Bureau of the Census, Department of Commerce.

No. 817.—RUBBER-MANUFACTURING INDUSTRY: PRODUCTS

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
All products, total value					300,994	1,260,805	1,231,970
Tires and inner tubes:							
Pneumatic—							
Automobile and truck	Number	15,929	136,172	134,405	125,780	774,727	738,070
Motor cycle and bicycle	do	3,728	2,512	3,046	6,906	3,961	3,695
Solid—							
Truck	do	(1)	1,035	813	(2)	43,870	34,985
All other	do	(1)			13,736	1,991	1,673
Boots, rubber	Pair	4,024	4,739	5,362	12,648	16,028	16,746
Shoes and overshoes, rubber	do	57,212	52,339	71,577	37,858	80,077	90,994
Shoes, canvas, with rubber soles	do	(1)	25,000	28,810	(1)	21,818	25,456
Heels, sold as such or on hand	do	(1)	342,196	318,346	(1)	26,092	25,504
Soles, including composition or fiber	do	(1)	36,064	40,820	(1)	10,384	9,341
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	(1)	25,232	17,363	(1)	13,873	11,048
All other	do	(1)	25,840	38,445	(1)	7,760	15,493
Belting					7,939	23,491	21,947
Hose					16,854	35,544	41,472
Packing					3,508	4,444	4,853
Clothing					6,799	7,748	(3)
Druggists' and stationers' sundries					7,512	18,402	15,732
Hard-rubber goods					(2)	29,111	18,801
All other manufactures of rubber					41,384	113,955	122,206
Reclaimed rubber	Pound	(1)	243,852	330,436	11,135	23,021	27,373
All other products					8,885	2,358	5,491

[1] Not reported for 1914.
[2] Included in "All other solid."
[3] Included in "All other manufactures of rubber."

Source: Bureau of the Census, Department of Commerce.

No. 818.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1914	1921	1923	1925	1927
	Value (thousands of dollars)				
Total	810,508	1,827,809	2,021,356	2,269,633	2,507,426
Newspapers and periodicals, printed and published or published only	419,210	1,005,270	1,154,786	1,321,611	1,459,088
Subscriptions and sales	163,577	328,283	360,893	398,338	429,407
Advertising	255,633	676,987	793,893	923,273	1,030,221
Newspapers	283,559	734,321	803,497	892,094	977,948
Periodicals, other than newspapers	135,621	270,949	351,289	429,517	482,040
Newspapers and periodicals, printed for publication by others	8,577	35,301	36,893	56,488	54,975
Books and pamphlets	87,637	166,663	178,474	201,708	232,920
Sheet music and books of music	7,626	14,293	14,163	14,133	17,147
Job printing, general, electrotyping, engraving, and lithographing	278,401	586,648	623,047	669,937	737,021
Blank books	4,153	7,564			
All other products	4,904	32,070	13,993	5,761	5,075
	Aggregate circulation per issue				
Newspapers and periodicals:					
Daily	28,777,454	32,341,678	35,733,107	38,039,682	42,343,210
Sunday	16,479,943	20,853,355	24,511,693	25,630,056	27,695,359
Triweekly	549,495	523,872	431,504	400,730	468,534
Semiweekly	2,483,629	1,540,206	2,024,683	1,934,095	2,026,760
Weekly	50,336,903	43,521,178	47,860,508	50,815,443	55,985,413
Monthly	79,190,838	83,459,144	91,654,028	111,875,957	120,693,490
Quarterly	18,853,901	21,745,216	22,197,918	22,840,186	21,247,350
All other classes	8,922,684	6,962,012	7,629,173	8,450,308	8,156,399

Source: Bureau of the Census, Department of Commerce.

No. 819.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1914	1921	1923	1925	1927
Total	131, 019	242, 526	407, 088	310, 556	367, 026
Steam engines	21, 794	30, 357	26, 765	24, 411	22, 573
Reciprocating marine	1, 300	5, 916	1, 170	636	1, 703
Reciprocating stationary and portable	11, 822	8, 775	12, 882	7, 962	5, 406
Stationary turbines	8, 662	12, 342	10, 328	14, 055	14, 499
Marine turbines	(1)	2, 321	(1)	(1)	965
Not reported as to type	(1)	1, 003	2, 385	1, 758	
Internal-combustion engines (not including tractors)	45, 314	74, 699	110, 752	117, 894	141, 161
Diesel and semi-Diesel type—					
Marine	(2)	8, 273	14, 013	7, 353	7, 062
Other				15, 875	13, 347
Other internal-combustion engines—					
Marine—					
Stationary	7, 570	7, 604	8, 492	8, 833	7, 370
Detachable				2, 501	5, 553
Motor vehicle [3]	11, 623	31, 005	[4] 59, 074	[4] 55, 324	63, 636
Other stationary and portable	[5] 26, 121	[5] 27, 817	29, 173	27, 648	34, 699
Aircraft engines [6]					9, 494
Tractors and traction engines	17, 651	53, 169	75, 320	102, 905	136, 950
Tractors, internal-combustion	17, 651	53, 169	76, 427	102, 647	136, 837
Traction engines, steam			1, 893	258	113
Tractor trucks (semitractors)				(7)	2, 172
Water turbines	[8] 3, 633	[8] 4, 024	6, 732	5, 338	5, 441
Engines and turbines not specified as to kind of power				[9] 13, 707	414
Locomotives, steam	42, 637	79, 677	184, 469	46, 301	58, 315

[1] No data.
[2] Not reported separately; included with stationary and portable internal-combustion engines.
[3] Excluding engines built for installation in motor vehicles manufactured in the same establishments.
[4] Includes some aviation engines for 1923 and 1925 and a few motor-cycle engines for 1923.
[5] Includes data for motor-cycle and aviation engines for 1914 and 1921, and for Deisel engines for 1914.
[6] Excluding engines built for installation in aircraft manufactured in the same establishment. Data prior to 1927 included with motor vehicle and other stationary and portable engines (see footnotes 4 and 5).
[7] Reported with "Engines and turbines," etc., to avoid disclosing operations of individual establishments.
[8] Includes data for a small number of water motors not reported separately.
[9] Reported as secondary products by establishments in other industries; tractor trucks also included.

Source: Bureau of the Census, Department of Commerce.

No. 820.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

NOTE.—**Values in thousands of dollars.** The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers and calculating machines," "dairymen's, poultrymen's, and apiarists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 819, 821, 822, and 823

Class	1914	1921	1923	1925	1927
Adding and calculating machines and parts	14, 734	30, 016	51, 996	51, 289	[1] 53, 182
Agricultural machinery	64, 866	58, 136	82, 130	85, 471	129, 595
Aircraft	481	5, 099	9, 077	8, 102	14, 505
Bakers' machinery and equipment	2, 555	10, 560	14, 451	17, 212	20, 015
Blowers and fans	(2)	12, 518	14, 386	10, 210	20, 486
Bottling machinery	1, 359	6, 642	5, 969	10, 139	11, 584
Clay-working machinery (brick, pottery, etc.)	2, 439	3, 772	5, 508	5, 298	4, 308
Canning machinery	(2)	5, 139	9, 691	9, 766	7, 339
Cars and trucks, industrial and mining	(2)	(2)	17, 919	24, 267	21, 741
Cash registers and parts	16, 935	23, 944	44, 382	42, 326	[1] 40, 345
Cement and concrete machinery:					
Cement-making machinery	(2)	(2)	3, 680	4, 146	4, 619
Cement and concrete-block machinery	(2)	(2)	(2)	1, 461	656
Concrete mixers	(2)	(2)	13, 602	12, 620	12, 674
Other cement and concrete machinery	(2)	(2)	(2)	5, 604	2, 584
Condensers	(2)	(2)	4, 588	4, 938	5, 899
Confectionery and ice-cream machinery	(2)	5, 157	5, 029	5, 143	5, 682
Conveying machinery:					
Bucket type	(2)	(2)	(2)	14, 737	10, 726
Belt type	(2)	(2)	(2)	8, 601	10, 520
Other	(2)	(2)	(2)	7, 370	12, 282

Footnotes at end of table.

No. 820.—Machinery: Value of the Principal Classes Manufactured—Continued

[Values in thousands of dollars]

Class	1914	1921	1923	1925	1927
Cotton gins	4,902	2,721	7,175	12,808	9,543
Cranes (including hoists and derricks)	(3)	20,445	42,197	43,936	44,454
Dairy, cheese-factory, and butter-factory machinery	12,998	17,759	16,486	15,177	16,536
Dredging and excavating machinery:					
Power shovels	(2)	12,558	23,684	26,609	32,106
Other	2,969	4,991	15,622	19,232	19,776
Electrical machinery	50,601	89,800	128,384	134,513	154,644
Elevators and elevator machinery	17,228	40,931	52,516	47,430	43,152
Engines (steam or internal-combustion) and water wheels [4]	93,635	186,488	266,285	317,255	359,607
Flour-mill and grain-mill machinery	(2)	8,663	9,084	7,946	7,867
Gas machines and apparatus	4,426	4,554	7,243	6,242	5,082
Glass-making machinery	1,091	4,088	2,651	2,866	3,085
Hydraulic machinery:					
Hydraulic rams	(2)	(2)	(2)	218	450
Other	(2)	(2)	(2)	4,720	2,456
Laundry machinery	7,565	12,983	19,077	24,198	27,204
Lawn mowers	2,848	6,401	8,258	8,047	9,269
Leather-working machinery, other than shoe	1,066	2,526	2,575	2,222	2,000
Locomotives (steam, electric, and internal-combustion) [5]	43,374	90,111	194,678	58,359	70,508
Machine tools	(2)	(2)	89,904	91,459	107,102
Metal-working machinery, other than machine tools	(2)	(2)	(2)	47,353	39,201
Meters, gas and water	11,638	18,181	23,397	24,502	24,978
Mining machinery, other than oil-well	13,254	30,290	[6] 47,590	34,827	35,259
Motion-picture cameras and projectors	(2)	2,869	2,031	4,620	8,345
Motor cycles and bicycles	15,919	12,710	20,752	15,906	13,804
Motor vehicles, except motor cycles	458,761	1,326,120	2,611,735	2,946,821	2,540,714
Oil-mill machinery, cottonseed, and other	1,878	1,472	3,037	4,132	4,697
Oil-well machinery	10,509	27,415	52,158	47,299	62,126
Ore crushers	(2)	3,322	4,862	3,252	2,803
Packing-house machinery	(2)	4,133	6,441	5,370	5,577
Paper-mill and pulp-mill machinery	8,588	[7] 31,581	18,736	21,209	27,098
Pneumatic machinery (other than pneumatic tools):					
Air compressors	5,158	15,729	27,762	29,473	29,319
Other pneumatic machinery	(2)	(2)	(2)	1,109	867
Printing machinery	19,228	54,870	68,630	67,056	63,240
Pumps and pumping equipment	[8] 27,457	[8] 69,255	92,815	121,345	129,127
Refrigerating machinery	10,522	33,174	36,542	62,593	110,246
Road-making machinery	3,545	17,858	24,264	26,297	27,728
Rubber-working machinery	2,726	8,003	6,849	10,164	9,951
Scales and balances	(2)	15,885	21,836	23,691	22,166
Sewing machines, cases, cabinets, attachments, and parts	27,238	35,608	42,993	45,131	43,179
Shoe machinery	5,950	9,482	10,663	11,769	12,334
Slot-vending machines	(2)	2,408	3,777	4,202	7,059
Stokers, mechanical	(2)	7,161	14,095	9,420	10,213
Sugar-mill machinery	1,972	12,075	9,112	8,643	6,601
Textile machinery and parts	(2)	115,167	127,406	109,354	102,200
Transmission machinery	(2)	(2)	11,369	15,350	18,246
Typewriters and parts	20,517	33,361	39,521	50,190	[1] 51,942
Vacuum cleaners	2,059	21,726	36,870	40,285	36,972
Washing machines, clothes wringers, driers, and ironing machines for domestic use	(2)	32,444	57,551	70,761	73,847
Well-drilling machinery, other than oil-well	(2)	1,353	1,074	1,843	1,545
Windmills and windmill towers	(2)	3,953	4,636	5,682	4,555
Woodworking machinery	13,393	25,682	44,447	39,620	29,569

[1] Figures not strictly comparable with earlier years which include value of parts and attachments; for 1927 figures represent only value of machines.
[2] Not reported separately.
[3] No comparable data.
[4] Excluding steam boilers made for sale as separate units.
[5] Includes steam locomotives only for 1914; for 1921 and later years, steam, gasoline, and electric locomotives.
[6] Not strictly comparable with figures for other years due to changes in classification.
[7] Includes machinery used for converting paper into boxes, bags, etc., for 1921, but not for other years.
[8] Not strictly comparable with figures for 1923, 1925, and 1927; includes power pumps and equipment only for 1914 and 1921; for 1923, 1925, and 1927 also includes hand pumps.

Source: Bureau of the Census, Department of Commerce.

No. 821.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS): PRODUCTION

NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product

Kind	Number			Value (thousands of dollars)		
	1919	1925	1927	1919	1925	1927
Metal-working machinery, total value				(1)	138,812	148,491
Machine tools				179,747	91,459	107,101
Metal-working machinery, other than machine tools				(1)	47,353	39,201
Machine tools:						
Bending machines	153	807	439	942	642	369
Boring machines	1,433	802	598	8,768	3,032	3,352
Broaching machines	549	435	255	1,395	540	372
Cutting-off machines	(2)	1,786	2,056	(2)	497	602
Drilling machines	16,642	(3)	6,891	11,430	7,046	7,745
Forging machines	(2)	85	738	(2)	779	2,481
Gear-cutting machines	2,688	1,271	1,267	5,845	4,258	4,417
Grinding machines	(3)	(3)	5,965	15,803	10,734	12,250
Hammers, stationary	38,535	855	324	4,952	829	560
Lathes	29,031	(3)	11,067	37,475	16,345	18,750
Milling machines	11,480	(3)	2,978	18,526	6,489	8,545
Pipe cutting and threading machines	4,118	2,037	2,281	2,481	1,305	1,344
Planers	1,482	193	196	8,129	1,105	1,867
Portable tools	(3)	(3)	(3)	10,908	11,896	16,802
Presses	35,786	(3)	(3)	6,357	7,995	8,770
Punching machines (stationary)	(2)	1,034	587	(2)	1,910	862
Riveting machines (stationary)	(2)	(3)	1,338	(2)	687	673
Screw machines (automatic)	6,227	2,301	1,810	9,625	5,919	5,209
Shapers	4,515	1,125	986	4,231	1,615	1,629
Shears (power)	1,367	1,892	1,771	1,566	1,351	1,308
Slotters	(2)	62	36	(2)	405	182
Threading machines (excepting pipe)	(2)	(3)	(3)	(2)	839	1,613
All other machine tools	(3)	(3)	(3)	31,314	5,241	7,399
Metal-working machinery, other than machine tools:						
Rolling-mill machines	(1)	(1)	(3)	(1)	15,001	14,308
Sheet-metal working machines	(1)	(1)	(3)	(1)	17,408	17,545
Wire-drawing machines	(1)	(1)	(3)	(1)	670	1,504
Other metal-working machines	(1)	(1)	(3)	(1)	14,214	5,844

[1] No comparable data, due to changes in classification.
[2] Not reported separately.
[3] Data incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 822.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

NOTE.—All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars. Includes subsidiary products of establishments classed under other industries

Product	1914	1921	1923	1925	1927
Total value	359,432	884,594	1,377,515	1,653,550	1,753,596
Generators (not specified elsewhere):					
Alternating current—					
Number	[1] 2,512	1,687	1,975	2,098	2,856
Kilovolt-amperes (thousands)	[1] 1,188	2,994	(2)	3,674	3,632
Value	[1] 7,437	15,513	18,508	17,899	18,335
Direct current—					
Number	[3] 9,633	5,691	10,308	15,972	16,559
Kilowatts (thousands)	221	185	(2)	(2)	(2)
Value	[3] 2,967	2,923	4,235	5,317	4,503

[1] Figures not comparable with those for later years because of change in classification; synchronous condensers and frequency changers reported with rotating converting apparatus for 1914.
[2] No comparable data.
[3] Not comparable with figures for later years; exclude generators under 10 kilowatts. (See note 4.)

No. 822.—Electrical Machinery, Apparatus, and Supplies: Value of Products by Classes—Continued

[All figures in thousands of dollars]

Product	1914	1921	1923	1925	1927
Automotive generators and motors for charging, lighting, and starting	[4] 5,933	27,443	54,007	56,221	58,128
Self-contained power and lighting outfits	(5)	4,043	7,685	11,143	9,598
Transformers, induction-voltage regulators, and current-limiting reactors	14,514	42,103	59,115	62,153	66,804
Motor-generator sets and dynamotors	5,368	6,311	7,305	8,264	6,764
Control apparatus, railway, vehicle, motor, and other	[6] 8,395	19,551	33,177	31,303	34,181
Electric locomotives (mining, industrial, and railway)	3,721	9,397	8,865	10,331	9,858
Stationary motors (not fan), total	27,594	58,078	84,778	92,648	97,073
Fractional horsepower	[7] 1,191	16,907	23,939	28,249	33,903
One horsepower and over—					
Direct current	9,800	9,358	13,865	15,797	15,628
Alternating current	16,604	31,814	46,973	48,602	48,142
Railway and vehicle motors, not including automotive starter-motors	7,234	6,974	10,586	7,515	10,528
Electric fans	4,836	8,611	9,914	10,896	10,755
Motor parts and supplies	4,512	9,394	13,825	12,947	14,147
Storage batteries, parts and supplies	13,081	48,558	92,843	110,212	97,808
Primary batteries	9,522	14,609	21,446	40,982	46,283
Primary battery parts and supplies	800	3,716	3,776	4,054	6,298
Carbons: Electrodes for lighting and furnaces, brushes, and specialties	3,603	5,528	14,746	13,955	14,364
Incandescent lamps	17,250	59,728	71,966	73,558	87,933
Telegraph apparatus	[8] 202	244	2,086	2,922	5,561
Telephone apparatus	22,816	101,992	92,398	81,510	115,452
Fire-alarm apparatus	1,254	2,404	2,040	3,490	3,611
Radio apparatus, including tubes	[6] 762	10,648	54,000	176,990	198,430
Household apparatus and appliances:					
Vacuum cleaners, portable	(5)	19,753	35,982	39,971	36,222
Flatirons	1,407	4,731	8,199	7,998	7,917
Cooking utensils	[8] 1,327	3,164	5,486	7,921	11,668
Ranges, disk stoves, and hot plates	[8] 671	[8] 1,795	3,677	7,901	12,119
Radiators and radiant heaters	(5)	1,151	1,862	2,028	1,439
Electric measuring instruments	8,787	21,033	28,221	31,050	34,133
Switchboards, panel boards, cabinets, circuit breakers, and switches	[6] 15,383	36,299	57,856	69,759	71,924
Magneto-generators	22,261	4,065	10,304	9,930	7,708
Spark plugs		10,013	13,660	13,878	13,372
Coils		6,511	7,868	7,837	8,467
Insulated wires and cables	69,506	98,333	184,472	210,617	210,048
Searchlights, flood lights, headlights; motion-picture, photo-engraving, and stage projectors	2,082	1,943	2,479	2,801	4,561
Railway signals and attachments	(5)	1,620	4,466	14,030	22,340
Fuses, cut-outs and fuse plugs	1,757	4,483	9,245	10,393	10,801
Wiring devices	[6] 7,580	21,806	34,986	34,806	32,703
Lightning arresters and choke coils	1,189	2,044	3,834	5,961	6,327
Electric railway line materials	(5)	2,691	8,796	4,240	5,446
Conduits, underground and interior	4,875	19,346	37,500	[9] 46,330	[9] 42,133
Electric-signaling apparatus (other than railway)	675	6,444	7,142	5,081	6,365
Electrotherapeutic apparatus, exclusive of X-ray tubes and motor-driven devices	2,653	6,820	5,991	9,788	13,802
All other	57,290	152,779	237,610	275,321	[10] 277,249

[4] Not comparable with figures for later years; includes generators under 10 kilowatts, not used as automotive generators.
[5] Not reported separately.
[6] Not strictly comparable with figures for later years because of changes in classification.
[7] Reported as motors for miscellaneous uses.
[8] Reported as "stoves and ranges" in 1914 and as "ranges" in 1921.
[9] Not strictly comparable with preceding years; includes interior conduits only.
[10] Includes "All other" products made in electrical establishments and $85,490,897, the value of custom work and repairs.

Source: Bureau of the Census, Department of Commerce.

No. 823.—FARM EQUIPMENT: PRODUCTION

NOTE.—For all wagons, see Table 825; for all tractors, see Table 819

Class	Number				Value (thousands of dollars)			
	1926	1927	1928	1929	1926	1927	1928	1929
All products, total value					481,400	460,881	524,255	607,069
Plows and listers					33,143	29,477	32,159	42,366
Moldboard plows	630,189	525,446	552,107	656,859	18,812	14,812	15,512	20,349
Disk plows	24,250	21,425	25,952	46,504	2,220	2,396	3,119	7,145
Listers	56,087	35,690	38,645	[1] 48,576	2,232	1,538	1,646	[1] 2,085
Other plows	14,743	13,988	16,208	18,022	300	1,686	2,396	1,136
Attachments and parts, incl. plow stocks and steel plow shapes					9,584	9,045	9,486	11,653
Harrows, rollers, pulverizers, and stalk cutters					15,553	13,868	14,687	16,813
Disk harrows	141,964	122,630	134,127	138,849	8,062	7,051	7,491	8,712
Spike-tooth harrow sections	315,844	242,459	283,612	339,192	2,219	1,725	1,963	2,307
Spring-tooth harrow sections	117,757	117,434	133,029	126,306	1,316	1,242	1,509	1,445
Stalk cutters	11,722	10,400	10,456	11,696	448	377	396	439
Other, incl. attachments and parts					3,508	3,473	3,328	3,910
Planting and fertilizing machinery					26,591	24,560	26,505	31,145
Corn planters, one and two row	72,242	55,927	59,569	74,778	3,383	2,601	2,775	3,425
Combined corn and cotton planters	74,248	44,529	45,715	93,959	2,205	1,068	1,048	2,565
Combined listers and drills	22,908	9,231	5,289	7,004	1,671	674	430	604
Grain drills	47,113	58,629	73,434	138,849	5,275	6,638	8,736	10,035
Broadcast seeders	77,439	78,512	72,275	[2] 14,081	654	679	618	[2] 350
Manure spreaders	67,322	67,722	62,559	61,000	8,245	8,298	7,864	7,190
Other, incl. attachments and parts					5,158	4,572	5,534	6,976
Cultivators and weeders					20,311	14,296	15,864	22,867
1-horse	136,454	132,244	159,173	202,755	755	698	834	979
1-row	215,345	121,237	129,379	166,948	8,138	4,405	4,730	5,906
2-row	64,723	41,307	37,507	54,505	5,239	3,504	3,191	4,487
Hand cultivators (wheeled hoes)	143,832	147,065	133,214	153,434	506	447	413	459
Other cultivators and weeders	64,195	58,189	93,103	120,476	2,338	2,917	4,013	6,249
Attachments and parts					3,335	2,325	2,683	4,777
Harvesting machinery					40,007	57,319	67,291	87,719
Grain binders	79,155	71,091	67,099	65,069	12,134	10,831	10,610	10,661
Combines (harvester—thresher)	11,760	18,307	25,392	36,957	15,863	26,885	35,693	50,684
Corn binders	26,449	21,423	21,174	15,246	3,641	2,933	2,943	2,148
Potato diggers	10,184	15,780	19,930	12,767	586	1,003	1,209	780
Other harvesting machinery	29,504	24,604	27,213	32,434	4,177	3,733	5,456	5,393
Attachments and parts					9,606	11,934	11,299	18,039
Haying machinery					13,951	15,387	16,058	18,711
Mowers	112,269	110,644	121,935	126,360	5,989	6,007	6,503	7,050
Rakes	72,537	80,489	87,044	98,870	3,028	3,590	3,647	4,121
Loaders	19,793	25,102	24,895	24,920	1,630	2,018	2,094	1,991
Other haying machinery	10,128	7,041	9,028	11,113	389	363	479	612
Attachments and parts					2,916	3,409	3,395	4,937
Machines for preparing crops for market or use					34,127	32,329	33,406	30,103
Threshers	17,830	16,595	19,261	14,571	17,361	15,044	16,861	12,774
Ensilage and fodder cutters	14,802	15,250	14,740	11,530	2,197	2,088	2,099	1,708
Corn shellers	44,713	47,390	48,915	40,378	1,219	1,168	1,403	1,573
Corn huskers and shredders	3,531	2,448	1,423	972	1,775	1,150	711	460
Hay presses	3,457	3,325	3,674	3,460	1,061	1,072	1,082	1,196
Feed grinders and crushers	108,752	104,755	101,335	101,502	1,915	2,049	2,540	3,215
Other machines	80,225	72,091	163,336	108,638	2,435	2,513	1,705	2,483
Attachments and parts					6,164	7,245	6,975	6,724
Tractors	181,995	200,504	175,934	238,976	145,813	159,531	191,973	227,633
Wheeled types	170,302	184,504	152,266	195,980	100,243	101,649	113,376	141,653
Tracklaying type, all sizes	7,772	10,319	19,203	27,101	22,024	27,720	48,211	53,692
Motor cultivators	3,921	5,591	4,465	5,895	569	314	822	908
Attachments and parts					23,076	29,848	29,070	31,470
Horse-drawn vehicles	154,741	119,850	136,826	114,267	13,658	8,884	9,974	8,813
Farm wagons	74,693	50,810	57,081	40,687	6,887	4,427	4,946	3,790
Farm trucks	57,291	48,278	62,889	60,969	2,415	1,926	2,521	2,518
Buggies	8,854	7,019	4,269	2,589	756	612	403	222
All other (incl. 2-wheeled carts)	13,903	13,223	12,587	10,022	337	360	230	251
Attachments and parts					3,263	1,559	1,844	2,032
Miscellaneous equipment					112,141	105,230	110,238	120,910
Stalls, stanchions, and stock pens					2,616	2,743	2,877	3,125
Stock tanks and waterers	250,978	305,065	353,583	361,026	1,953	1,895	2,022	2,087
Cream separators	194,270	191,996	203,857	172,187	9,229	8,008	9,673	7,695
Internal-combustion engines	177,247	131,610	140,333	146,690	12,910	8,619	9,016	9,134
Windmills and windmill towers	133,011	120,597	140,923	132,166	4,670	4,555	5,573	5,411
Other, incl. attachments and parts					80,763	79,320	87,112	93,458

[1] Excludes 2-bottom tractor-drawn listers; included with "Other plows" to avoid disclosing operations of individual establishments.

[2] Excludes wheelbarrow and other hand broadcast seeders; included with "Other."

Source: Bureau of the Census, Department of Commerce.

No. 824.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1923	1925	1927	1923	1925	1927
MUSICAL INSTRUMENTS AND MATERIALS						
All products, total value				175,336	170,742	131,066
Pianos:						
Upright	105,748	87,285	90,864	21,675	16,874	12,262
Upright, player	170,549	143,831	76,447	46,296	38,167	20,028
Upright player, reproducing type	12,658	5,476	4,098	4,649	2,193	1,420
Grand—						
Baby	38,024	40,357	43,772	16,101	16,244	17,541
Baby, player	6,769	12,884	7,713	5,429	8,360	5,856
Parlor	5,899	9,176	8,757	3,835	5,433	5,320
Parlor, player	2,737	2,699	1,224	3,065	3,631	1,726
Concert	666	579	203	932	453	200
Automatic and electric	4,539	4,303	3,574	2,380	2,322	1,640
Organs:						
Pipe	1,712	1,955	2,451	9,654	12,808	16,567
Reed	7,772	4,360	3,091	538	442	385
Band and orchestral instruments:						
Wind instruments				7,812	9,478	8,305
Brass				7,305	8,846	6,550
Wood				507	632	1,845
Stringed instruments				3,409	5,859	4,201
Percussion and other instruments (chimes, xylophones, drums, bells, traps, etc.)				2,288	2,886	2,715
Perforated music rolls				5,262	6,068	3,217
Pneumatic player actions for installation in player pianos and cabinet player attachments made separate from pianos				14,699	14,782	6,608
Parts and materials for musical instruments other than pianos and organs				1,851	1,867	1,992
Orchestrions				38	} 1,842	1,810
Organ parts and materials, for sale as such				1,265		
Piano parts and materials, for sale as such				17,695	15,223	13,328
All other products				4,894	4,157	3,350
Receipts for custom work, repairing, etc.				1,515	1,653	1,815
PHONOGRAPHS [1]						
All products, total value				107,311	61,057	95,298
Phonographs:	*Thousands*	*Thousands*	*Thousands*			
For disk records	978	} 642	[3] 1,040	55,305	} 22,614	[3] 40,342
All other [2]	20			1,642		
Disk records	92,855	} 82,125	104,766	35,714	} 26,791	31,486
Cylinder records and blanks	5,249		(4)	658		205
Needles, parts, and all other				13,902	11,652	14,273

[1] Excludes subsidiary products reported by establishments engaged primarily in other industries, which amounted to $1,301,787 in 1923; $3,003,378 in 1925, and $3,089,298 in 1927.
[2] Dictating machines and other phonographs using cylinder records.
[3] Includes data for combination phonographs and radios to avoid disclosing production of individual establishments.
[4] Number not reported for 1927.

Source: Bureau of the Census, Department of Commerce.

No. 825.—VEHICLES AND AIRCRAFT: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1914	1925	1927	1914	1925	1927
MOTOR VEHICLES						
Motor-vehicle industry, total value of products				503,230	3,198,123	2,848,443
Motor vehicles made in motor-vehicle industry	568,781	4,176,519	[1] 3,354,805	458,761	2,951,921	[1] 2,546,807
Other products of motor-vehicle industry				44,469	246,202	301,636
Motor vehicles made in other industries	[1] 4,258	1,728	967	[2] 6,297	730	1,119
Total motor vehicles, incl. chassis and trailers	[2] 573,039	4,178,247	3,355,772	[2] 465,058	2,952,651	2,547,926
Passenger vehicles	543,881	3,581,240	2,826,274	414,542	2,527,576	2,175,545
Touring, open	451,032	1,095,186	211,278	345,973	516,206	113,305
Roadsters, runabouts, and sport (speedsters), open	81,597	390,062	197,880	45,890	180,845	116,100
Closed	11,098	2,080,697	2,407,160	22,350	1,786,834	1,917,344
Public conveyances (cabs, etc.)		15,295	8,968		43,690	27,982
All other	154		988	329		814
Government and municipal vehicles	728	1,238	1,599	3,941	10,488	11,521
Business vehicles	24,172	341,811	329,673	49,278	287,243	258,404
Delivery cars	4,391	35,976	60,981	4,750	24,080	33,883
Trucks	19,519	303,824	266,492	34,741	257,804	220,050
All other	262	2,011	2,200	787	5,359	4,471
Chassis	[3]	240,790	178,487	[3]	121,516	95,244
Passenger	[3]	87,780	56,074	[3]	39,919	27,156
Business	[3]	153,010	122,413	[3]	81,597	68,088
Trailers	[3]	12,823	19,739	[3]	4,937	7,212
Tractors [4]	[3]	350		[3]	892	
MOTOR CYCLES, BICYCLES, AND PARTS						
All products				22,234	25,319	22,013
Motor cycles	62,154	39,350	35,197	12,162	8,876	8,001
Bicycles	299,029	303,445	255,456	3,757	7,031	5,803
Parts, repairs, and all other products				6,315	9,412	8,209
CARS, STEAM AND ELECTRIC RAILROAD [5]						
All products				205,271	390,771	312,509
Steam:						
Passenger (day coaches only)	1,653	532	967	19,607	11,991	22,021
Sleeping, baggage, express, etc., in passenger service	1,792	1,589	998	24,404	42,949	29,759
Box	50,481	49,230	19,645	40,953	101,024	45,319
Flat	4,781	2,306	1,656	3,120	3,225	2,838
Gondolas	25,077	21,402	10,479	22,809	42,002	20,023
Hopper	9,754	3,243	8,734	10,708	5,870	19,917
Refrigerator	5,800	4,704	9,004	8,077	14,741	25,033
Stock	3,929	3,310	1,016	2,587	5,877	1,882
Tank	1,250	5,396	5,455	1,255	10,702	10,449
Other varieties	15,584	4,420	2,520	6,709	8,800	6,946
Electric:						
Passenger	2,335	1,753	1,194	8,076	19,030	19,320
Other varieties	207	81	98	714	419	438
All other products, including repairs				56,252	124,141	107,364
CARRIAGES AND WAGONS						
All products				109,657	29,583	22,648
Wagons	572,409	211,418	125,704	36,533	16,400	8,475
Carriages and buggies	550,401	20,646	7,019	34,103	1,884	612
Other conveyances	54,605	4,054	6,611	1,557	2,147	3,011
All other products, parts, repairs, etc				37,373	9,152	10,550
AIRCRAFT						
All products					12,775	21,614
Airplanes	[6]	711	1,888	[6]	5,908	12,225
Seaplanes	[6]	78	107	[6]	705	2,280
Under construction at close of year	[6]	259		[6]	1,429	
Parts and engines for sale as such				[6]	3,795	5,037
All other products, including repairs				[6]	878	2,072

[1] Exclusive of tractors which were included with "Other products of motor-vehicle industry."
[2] The numbers and values of the complete vehicles manufactured in 1914 by establishments in the bodies and parts branch and in other industries are included in the totals but not in the distribution by class.
[3] Not reported separately.
[4] Figures refer only to tractors manufactured by establishments engaged primarily in the manufacture of motor vehicles; included in "Other products of motor-vehicle industry" for 1927. For total production of tractors, see Table 810.
[5] Not including cars built or repair work done by railroad companies.
[6] Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 826.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1929 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding linters [1] (thousands of bales)			
	Total in place	Active					Total	The South	New England	Other States
		Total	The South	New England	Other States					
1840	[2]	2,285	181	1,597	506	[2]	237	71	159	7
1850	[2]	3,998	265	2,959	775	[2]	576	78	431	67
1860	[2]	5,236	324	3,859	1,053	[2]	845	94	567	184
1870	[2]	7,132	328	5,498	1,306	[2]	797	69	551	177
1880	[2]	[3] 10,653	[3] 561	[3] 8,632	[3] 1,460	[2]	[3] 1,570	[3] 189	[3] 1,129	[3] 252
1890	[2]	14,384	1,570	10,934	1,880	[2]	2,518	539	1,502	477
1900	[2]	19,472	4,368	13,171	1,933	[2]	3,873	1,523	1,909	440
1905	[2]	23,687	7,631	14,203	1,853	[2]	[4] 4,279	[4] 2,140	[4] 1,753	[4] 386
1910	28,929	28,267	10,494	15,735	2,038	[2]	4,622	2,234	1,995	393
1911	30,804	29,523	11,085	16,511	1,927	456	4,498	2,249	1,882	367
1912	31,583	30,579	11,583	17,140	1,856	500	5,129	2,636	2,076	417
1913	32,150	31,520	12,227	17,311	1,981	455	5,483	2,862	2,178	443
1914	32,744	32,108	12,711	17,408	1,988	414	5,577	2,925	2,219	433
1915	32,841	31,964	12,956	17,101	1,908	395	5,597	3,027	2,149	421
1916	33,333	32,806	13,382	17,474	1,950	405	6,398	3,528	2,389	481
1917	34,221	33,889	14,156	17,761	1,972	453	6,789	3,888	2,415	486
1918	34,941	34,543	14,529	17,986	2,029	447	6,566	3,697	2,402	467
1919	35,443	34,931	14,846	18,066	2,019	429	5,766	3,199	2,165	402
1920	35,834	35,481	15,231	18,287	1,963	402	6,420	3,583	2,397	440
1921	36,618	36,047	15,709	18,388	1,951	336	4,893	2,997	1,614	282
1922	36,946	35,708	15,906	17,939	1,863	314	5,910	3,730	1,823	357
1923	37,409	36,260	16,310	18,054	1,896	289	6,666	4,248	2,049	369
1924	37,804	35,849	16,944	17,066	1,839	258	5,681	3,853	1,535	288
1925	37,929	35,032	17,292	15,975	1,765	251	6,193	4,220	1,639	334
1926	37,586	34,750	17,574	15,526	1,650	243	6,456	4,500	1,628	328
1927	36,696	34,410	17,894	14,995	1,521	235	7,190	5,194	1,675	321
1928	35,540	33,570	18,282	13,815	1,473	232	6,834	5,114	1,438	282
1929	34,820	32,417	18,541	12,537	1,339	207	7,091	5,392	1,448	251

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Total, excluding linters	Domestic			Foreign	Linters	Total, excluding linters	Domestic	Foreign	Linters
		Total	Upland	Sea Island						
1906–1910	[5] 4,829	[5] 4,680	[5] 4,595	[5] 62	149	[7] 163	[5] 731	[5] 673	58	[7] 39
1911–1915	5,257	5,051	4,976	75	206	293	822	738	84	86
1916–1920	6,388	6,105	6,034	71	282	734	1,452	1,352	100	179
1921–1925	5,899	5,677	5,568	9	292	599	1,003	911	92	139
1911	4,498	4,323	4,259	64	175	297	499	417	81	43
1912	5,129	4,922	4,827	95	208	238	818	733	85	58
1913	5,483	5,250	5,196	55	233	303	718	638	80	60
1914	5,577	5,383	5,301	82	194	307	676	612	64	75
1915	5,597	5,375	5,296	79	222	412	1,401	1,292	109	199
1916	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918	6,566	6,382	6,297	86	184	1,119	1,465	1,403	63	133
1919	5,766	5,690	5,639	51	176	458	1,303	1,253	51	267
1920	6,420	6,003	5,960	43	417	342	1,358	1,208	150	277
1921	4,893	4,677	4,658	19	216	516	1,111	1,021	90	201
1922	5,910	5,613	5,604	9	297	639	1,218	1,127	91	139
1923	6,666	6,322	6,316	6	344	646	1,100	981	118	127
1924	5,681	5,353	5,348	5	328	537	722	638	84	101
1925	6,193	5,917	5,914	4	276	659	866	787	79	129
1926	6,456	6,176	6,174	2	280	804	1,097	1,011	86	144
1927	7,190	6,880	6,879	1	310	806	1,405	1,325	80	199
1928	6,834	6,535	6,534	1	299	780	1,012	935	77	150
1929	7,091	6,778	6,777	1	313	879	1,052	932	120	187

[1] Includes linters for 1840 to 1905.
[2] Figures not available.
[3] Cotton mills only.
[4] Does not include foreign cotton.
[5] Includes linters for 1906 to 1908.
[6] Average, 1907 to 1910.
[7] Average, 1909 and 1910.

Source: Bureau of the Census, Department of Commerce.

No. 827.—COTTON SPINDLE HOURS AND COTTON CONSUMPTION

NOTE.—Per cent of capacity represents ratio between (1) the actual number of spindle hours, including overtime, double shifts, and part time, and (2) the total number of spindles in place multiplied by the number of hours per month in a single shift at normal full working time. Consumption includes both domestic and foreign cotton

Month	Spindle hours (millions)					Spindle hours—per cent of capacity				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Total	**94,600**	**97,029**	**104,450**	**92,729**	**99,899**	**92.9**	**95.4**	**104.7**	**95.3**	**104.7**
January	8,354	8,359	8,554	8,263	9,227	97.2	98.6	102.0	101.0	111.0
February	7,893	8,121	8,239	7,970	8,223	100.5	103.2	106.5	101.3	110.7
March	8,615	9,159	9,538	8,310	8,911	100.0	102.2	109.8	96.8	109.4
April	8,520	8,345	8,788	7,415	8,861	100.2	98.2	105.6	94.8	116.3
May	7,932	7,503	8,933	7,966	9,164	93.8	88.9	108.9	95.1	110.9
June	7,686	7,606	9,191	7,252	8,160	89.2	88.4	109.3	88.4	104.8
July	7,310	6,750	8,033	6,251	7,757	84.6	78.7	99.1	79.7	100.3
August	6,935	7,487	8,971	7,424	8,130	80.1	87.4	102.9	87.1	97.7
September	7,107	8,257	8,776	6,963	7,881	83.8	98.5	106.6	90.1	104.0
October	7,903	8,367	8,727	8,608	9,004	89.5	98.9	105.0	103.5	108.7
November	7,825	8,483	8,690	8,518	7,812	96.0	101.3	106.7	107.4	100.0
December	8,261	8,585	7,859	7,698	6,770	99.4	100.7	93.9	98.3	88.2

Source: Bureau of the Census, Department of Commerce.

No. 828.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—All data except as specified are for years ended July 31. See headnote, Table 827

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	Aug. 31, 1911	July 31, 1928	July 31, 1929	1926–27	1927–28	1928–29	1911–1915 average	1921–1925 average	1926–27	1927–28	1928–29
United States	**30,804**	**357,540**	**34,820**	**102,805**	**96,451**	**99,804**	**5,257**	**5,889**	**7,190**	**6,834**	**7,091**
The South	11,657	18,508	18,848	65,805	65,273	68,360	2,740	3,811	5,194	5,114	5,392
New England	17,045	15,463	14,549	35,052	27,862	28,253	2,101	1,732	1,675	1,438	1,448
Other States	2,102	1,569	1,423	3,688	3,316	2,991	416	326	321	282	251
Alabama	968	1,628	1,805	5,085	5,213	6,036	275	385	570	552	617
Connecticut	1,270	1,122	1,105	2,544	2,567	2,736	127	106	104	106	111
Georgia	1,981	3,080	3,125	10,270	10,735	11,319	589	840	1,153	1,168	1,270
Maine	1,067	1,106	1,059	2,117	1,991	1,964	170	159	136	122	122
Massachusetts	10,618	9,350	8,587	20,116	15,785	15,698	1,269	1,023	973	790	779
New Hampshire	1,463	1,414	1,391	2,745	2,591	2,501	292	206	232	207	206
New Jersey	483	379	331	757	730	643	56	43	36	35	32
New York	964	802	688	1,922	1,704	1,560	199	168	162	140	128
North Carolina	3,354	6,192	6,223	23,002	22,045	22,143	840	1,197	1,640	1,584	1,631
Pennsylvania	280	114	98	259	221	185	48	29	27	24	18
Rhode Island	2,527	2,326	2,290	5,197	4,633	5,049	232	228	219	204	219
South Carolina	4,187	6,492	5,586	21,428	21,102	22,559	743	941	1,245	1,229	1,302
Tennessee	253	602	617	1,945	2,124	2,350	74	108	151	158	176
Virginia	373	709	709	1,839	1,660	1,585	85	112	130	120	106
All other States	1,021	1,224	1,156	3,379	3,350	3,278	258	325	411	395	374

Source: Bureau of the Census, Department of Commerce.

No. 829.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

NOTE.—Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds. "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines

Kind and use	1921	1922	1923	1924	1925	1926	1927	1928	1929
Black blasting powder	6,401	7,155	8,078	6,683	6,279	5,807	5,268	4,870	4,802
Railway and other construction work	164	310	370	341	382	301	249	317	275
Coal mining	5,613	6,190	7,020	5,625	5,297	5,444	4,503	4,036	4,082
Metal mining [1]					138	114	86	84	91
Quarrying and nonmetallic mineral mining [1]					240	236	231	202	163
Other mining	185	168	175	144					
All other purposes	439	487	513	572	221	212	199	231	170
High explosives other than "permissible"	170,052	209,476	267,405	273,328	286,435	310,518	303,488	292,785	328,993
Railway and other construction work	18,317	22,434	31,930	40,647	39,916	44,982	48,253	50,767	60,060
Coal mining	34,232	25,498	37,829	36,608	26,947	35,229	34,173	30,077	31,752
Metal mining [1]					102,523	110,374	102,122	96,088	108,939
Quarrying and nonmetallic mineral mining [1]					71,501	76,180	73,506	74,820	70,505
Other mining	50,977	78,074	105,004	103,836					
All other purposes	67,426	83,470	92,642	92,231	45,448	43,747	40,413	41,032	46,738
"Permissible" explosives	41,134	43,430	60,371	55,134	58,353	67,685	63,847	60,708	62,669
Railway and other construction work	263	154	324	205	263	242	216	158	154
Coal mining	38,050	40,198	56,807	52,147	52,256	65,143	60,942	57,261	60,244
Metal mining [1]					3,533	216	191	231	165
Quarrying and nonmetallic mineral mining [1]					838	581	536	1,243	370
Other mining	852	1,453	783	515					
All other purposes	1,934	1,625	2,457	2,267	1,463	1,503	1,962	1,814	1,735

[1] Prior to 1925 included with "Other mining" and "All other purposes."

No. 830.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED IN THE UNITED STATES AND SOLD IN EACH STATE, CALENDAR YEAR, 1929

NOTE.—See headnote to Table 829

State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives	State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives
	Kegs [1]	*Pounds*	*Pounds*		*Kegs* [1]	*Pounds*	*Pounds*
Total	4,801,826	326,993,276	62,669,434	Montana	84,546	8,617,915	20,100
				Nebraska	1,381	497,225	----------
Alabama	79,260	7,709,405	3,719,900	Nevada	22,542	5,041,050	----------
Alaska	22	2,375,604	45,050	New Hampshire	544	407,750	----------
Arizona	12,938	13,727,925	500	New Jersey	187	3,106,300	25
Arkansas	66,422	3,326,694	149,950	New Mexico	15,340	3,603,725	334,800
California	133,529	17,324,070	1,700	New York	11,072	15,022,487	99,025
Colorado	73,405	5,229,110	680,950	North Carolina	7,642	2,073,350	12,400
Connecticut	503	1,222,675	225	North Dakota	35,842	267,750	54,600
Delaware	49	94,828	2,250	Ohio	308,515	11,255,713	188,625
Florida	9,707	2,987,600	----------	Oklahoma	77,493	9,812,953	312,508
Georgia	13,384	1,623,600	----------	Oregon	23,687	6,172,475	75
Idaho	9,818	6,261,415	1,050	Pennsylvania	952,873	44,218,397	33,022,536
Illinois	701,115	7,666,244	4,219,525	Rhode Island	126	121,850	----------
Indiana	371,156	3,896,850	831,125	South Carolina	10,670	719,704	----------
Iowa	207,915	3,128,000	3,075	South Dakota	2,023	1,458,145	3,200
Kansas	171,724	7,638,653	301,100	Tennessee	90,018	5,523,300	252,300
Kentucky	405,260	6,193,050	2,949,233	Texas	50,744	13,068,977	96,200
Louisiana	15	5,092,219	29,360	Utah	18,587	10,695,335	1,148,100
Maine	977	934,725	----------	Vermont	5,026	740,150	----------
Maryland [2]	23,135	1,372,650	191,000	Virginia	72,845	4,696,075	908,025
Massachusetts	2,995	4,134,775	----------	Washington	49,801	12,508,422	754,625
Michigan	8,660	23,328,165	1,900	West Virginia	446,578	6,981,025	11,167,870
Minnesota	29,833	14,741,330	----------	Wisconsin	4,116	5,945,475	----------
Mississippi	2,587	2,095,750	200	Wyoming	56,074	1,274,278	1,050,025
Missouri	123,025	11,016,493	107,312				

[1] Kegs of 25 pounds each.

[2] Includes District of Columbia.

Source of Tables 829 and 830: Bureau of Mines, Department of Commerce.

No. 831.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits			Fermented liquors	Year ended June 30—	Distilled spirits			Fermented liquors
	Exclusive of fruit brandy	Fruit brandy	Total			Exclusive of fruit brandy	Fruit brandy	Total	
	1,000 tax gallons.[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels*		*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels*[2]
1905	147,811	5,449	153,260	[3] 49,522	1922	81,086	1,077	82,163	[4] 6,348
1910	156,238	7,656	163,894	[3] 59,485	1923	123,208	1,417	124,626	[4] 5,269
1915	132,134	8,522	140,656	[3] 59,808	1924	136,682	847	137,530	[4] 4,891
1917	277,834	8,251	286,085	[3] 60,817	1925	166,951	548	167,498	[4] 5,119
1918	173,476	5,357	178,834	[3] 50,206	1926	203,166	644	203,810	[4] 4,856
1919	98,076	1,802	100,779	[3] 27,713	1927	185,133	338	185,472	[4] 4,382
1920	99,616	1,649	101,265	[3] 9,231	1928	170,103	412	170,515	[4] 4,162
1921	86,366	1,531	87,896	[4] 9,220	1929	202,059	1,194	203,254	[4] 3,866

[1] In computing taxable gallons all fractional parts of a gallon less than one-tenth are excluded.
[2] Of not more than 31 gallons.
[3] Includes fermented liquors removed from breweries for export free of tax.
[4] This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 832.—DENATURED ALCOHOL

Year ended June 30—	Alcohol produced at industrial alcohol plants[1]	Denaturing plants	Ethyl alcohol withdrawn for denaturation	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1913	----------	21	16,953,553	5,223,241	4,608,418	9,831,669
1915	----------	23	25,411,719	5,386,647	8,599,822	13,986,469
1917	----------	44	93,762,423	10,508,919	45,170,678	55,679,598
1918	----------	49	90,644,723	10,328,455	39,834,561	50,163,016
1919	----------	45	60,399,309	9,976,721	28,294,219	38,270,940
1920	18,933,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1921	85,068,776	67	38,812,139	12,392,595	9,996,230	22,388,825
1922	79,906,102	77	50,549,020	16,193,524	17,152,224	33,345,748
1923	122,402,850	76	105,819,405	27,128,230	30,436,913	57,565,143
1924	135,897,726	83	121,676,196	34,602,004	33,085,202	67,687,296
1925	166,165,518	91	148,970,221	46,983,970	34,824,303	81,808,273
1926	202,271,670	97	191,670,107	65,881,442	39,494,444	105,375,886
1927	184,323,017	94	170,633,437	56,093,748	39,354,928	95,448,677
1928	169,149,905	82	159,089,378	46,966,601	45,451,424	92,418,026
1929	200,832,051	77	182,778,966	52,405,451	54,555,006	106,960,458

[1] Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

No. 833.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

NOTE.—**All figures in thousands of pounds.** Figures represent the equivalent in unstemmed leaf tobacco, of stemmed leaf or scraps, cuttings, and clippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses. See Table 835

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	359,053	87,851	16,235	254,967	1920	639,982	168,597	146,907	324,478
1901–1905	451,461	124,411	12,444	314,606	1921	612,251	143,228	158,336	310,687
1906–1910	524,193	139,206	22,079	362,908	1922	646,816	151,709	169,597	325,510
1911–1915	578,283	151,890	52,207	374,186	1923	689,086	159,753	200,395	328,889
1916–1920	650,460	155,312	130,320	364,828	1924	693,858	153,413	217,700	322,745
1921–1925	672,077	151,421	198,069	322,588	1925	718,426	149,001	244,315	326,109
1913	593,235	162,986	56,559	373,690	1926	737,354	152,372	267,584	317,399
1917	659,581	157,732	113,279	388,570	1927	744,288	152,510	290,464	301,314
1918	692,014	149,837	146,056	396,121	1928	754,625	151,290	310,159	293,176
1919	648,384	151,504	166,783	330,097	1929 [1]	781,676	155,371	339,638	286,667

[1] Estimates of the Bureau of Foreign and Domestic Commerce.

Source of Tables 831, 832, and 833: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 834.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted in 1929 to 25,943,998 cigars, 4,835,240,330 cigarettes, and 1,131,864 pounds of smoking and chewing tobacco. Large cigars and cigarettes are those weighing more than 3 pounds per thousand

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking	Snuff	Large	Small	Large	Small
1901–1905	346,841	[1] 175,981	(2)	11,903	138,402	20,556	6,513,095	716,720	7,143	3,227,602
1906–1910	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,571
1911–1915	437,346	158,529	15,017	10,795	222,265	31,140	7,037,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	41,555,670
1921–1925	409,457	116,445	10,105	6,972	239,151	37,785	6,691,913	557,300	16,704	65,903,991
1920	412,630	138,563	11,760	8,681	219,271	34,349	8,096,759	633,222	28,039	47,430,105
1921	386,951	113,384	9,261	6,893	222,723	34,690	6,729,095	670,483	14,518	52,085,012
1922	419,506	120,174	10,948	6,892	243,355	38,136	6,722,354	632,907	17,450	55,763,023
1923	412,777	120,798	10,605	7,141	234,044	39,228	6,950,247	505,305	18,066	66,715,830
1924	414,178	111,477	9,902	6,751	246,990	39,029	6,507,377	530,714	16,054	72,808,989
1925	413,878	111,391	9,750	7,151	247,740	37,841	6,463,193	447,089	17,429	82,247,100
1926	410,596	109,766	9,179	6,985	246,439	38,227	6,498,641	412,315	13,240	92,096,974
1927	396,324	103,918	7,988	6,286	237,934	40,197	6,519,005	439,419	11,432	99,809,032
1928	386,333	100,646	8,892	5,186	231,134	40,475	6,373,182	415,535	10,403	108,705,506
1929 [2]	377,755				[3] 337,718	40,037	6,551,683	420,167	10,204	119,038,842

State	Number of factories Jan. 1, 1929, making—			Production in 1928 (calendar year)				
	Tobacco and snuff	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	1,243	7,502	133	386,333	6,373,182	415,535	10,403	108,705,506
California	33	236	11	124	66,297	38,454	48	4,399,084
Connecticut	11	157		52	35,650			
Florida	12	304	2	5	601,998			3,596
Georgia	2	53	2	5	30,095			3,256
Illinois	142	846	6	34,696	83,719		507	3,354
Indiana	42	190		364	183,488			
Kentucky	42	65	3	25,330	76,371			716,553
Louisiana	56	48	1	93	73,268			4,252
Maryland	6	90	1	2	44,490			11
Massachusetts	31	363	8	394	113,681		78	4,156
Michigan	37	221	3	15,195	270,816			4,618
Minnesota	32	159		76	27,502	1		
Missouri	18	189	2	54,037	34,244			17,748
New Hampshire	2	24		1	55,361			
New Jersey	24	213	4	9,358	768,789	5,473	3	5,345,482
New York	290	1,621	61	7,027	526,618	22,104	9,312	9,475,383
North Carolina	14	17	7	122,826	16,555			65,138,977
Ohio	97	453		59,401	481,749	7		
Pennsylvania	146	1,032	12	4,908	2,186,905	85,333	260	3,322,494
Tennessee	20	31		20,561	96,851			
Virginia	14	42	8	16,702	341,322	264,103	135	20,266,199
West Virginia	8	37	1	11,468	81,509			392
Wisconsin	55	437		716	46,421			
All other	109	668	1	2,994	129,396			

[1] Twist included with plug prior to 1906. [2] Estimates based on sale of stamps by collectors' offices. [3] Includes plug, twist, and fine cut.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 835.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—All figures except per capita in thousands of pounds. Data for tobacco used in manufacture in registered factories represent the equivalent in unstemmed leaf of all tobacco. See headnote, Table 833

	1923	1924	1925	1926	1927	1928	1929
Leaf tobacco consumed in manufacture:							
In registered factories	689,036	693,858	718,426	737,354	744,288	764,625	781,676
In bond	34,305	28,589	18,519	19,059	16,073	28,132	13,267
Manufactured tobacco imported:							
From Porto Rico	3,878	3,535	4,151	3,564	2,967	3,088	2,914
Other countries	5,037	3,894	4,001	3,359	3,498	3,264	2,682
Exports of manufactured tobacco	41,907	37,060	29,726	33,834	26,358	40,203	20,572
Remaining for consumption	690,349	692,816	715,371	730,002	740,408	748,006	769,967
Per capita consumption—pounds	6.18	6.09	6.20	6.23	6.24	6.24	6.32

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

No. 836.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

NOTE.—Figures cover new buildings and repairs to old buildings, but exclude data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.) rather than the number of permits. The cities shown include all cities having a population of 50,000 or over in 1920 and some cities having a population of 25,000 or over. The estimated cost of buildings authorized in 257 identical cities since 1921 is as follows: 1921, $1,573,000,000; 1922, $2,489,000,000; 1923, $3,072,000,000; 1924, $3,208,000,000; 1925, $3,805,000,000; 1926, $3,557,000,000; 1927, $3,138,000,000; 1928, $2,995,000,000; 1929, $2,580,000,000. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated

City and State	Total number of buildings					Proposed cost of buildings				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Akron, Ohio	5,351	5,024	5,495	5,356	5,560	14,454	15,983	20,196	19,485	21,640
Albany, N. Y.	3,492	2,992	2,684	2,226	1,784	14,704	25,754	16,189	14,894	9,035
Allentown, Pa.	1,588	1,786	1,663	1,556	1,388	8,087	9,218	6,588	5,935	4,510
Altoona, Pa.	1,709	1,548	1,480	1,313	1,932	3,002	3,023	3,641	3,361	1,984
Atlanta, Ga.	3,849	3,784	4,085	3,952	2,946	10,153	17,173	11,861	27,395	12,561
Atlantic City, N. J.	1,786	1,216	1,091	839	701	11,625	9,255	5,823	7,411	7,483
Augusta, Ga.	1,409	1,436	1,905	2,233	1,915	1,436	1,167	1,459	1,551	1,137
Baltimore, Md.	21,927	22,135	20,625	17,099	19,332	45,458	42,456	28,438	33,945	33,175
Bayonne, N. J.	554	429	338	504	329	3,686	2,876	1,956	1,995	1,107
Berkeley, Calif.	4,280	3,200	2,669	2,487	1,806	10,056	7,334	6,683	6,077	6,369
Bethlehem, Pa.	678	767	803	743	604	6,150	2,151	2,477	3,843	2,905
Binghamton, N. Y.	1,962	1,532	2,441	2,273	2,747	4,497	3,278	4,291	3,456	3,983
Birmingham, Ala.	6,198	5,595	5,392	5,687	3,071	16,662	17,174	21,787	14,225	8,234
Boston, Mass.	10,965	9,815	9,839	9,255	8,169	70,718	51,484	60,987	55,699	53,874
Bridgeport, Conn.	1,040	1,020	1,145	1,135	1,172	3,719	3,458	5,187	3,827	4,252
Brockton, Mass.	1,075	906	952	887	927	1,720	1,879	1,433	1,726	1,437
Brookline, Mass.	608	533	536	588	479	9,806	4,951	5,902	6,291	5,022
Buffalo, N. Y.	9,450	7,230	6,605	5,545	4,326	26,774	27,413	33,073	24,402	24,128
Cambridge, Mass.	1,256	1,064	1,057	1,052	941	11,711	8,270	9,557	8,084	12,166
Camden, N. J.	2,114	2,246	1,751	1,293	1,131	7,013	6,571	5,330	7,428	6,104
Canton, Ohio	2,635	2,359	1,944	1,579	1,567	8,966	5,321	4,156	3,662	3,456
Charleston, S. C.	573	402	433	454	673	732	466	586	561	671
Chattanooga, Tenn.	2,740	3,079	3,096	2,939	3,218	4,977	4,808	4,874	4,703	2,261
Chester, Pa.	709	693	664	489	343	3,442	3,586	2,306	1,747	1,099
Chicago, Ill.	31,954	28,660	26,100	19,982	15,849	373,804	376,808	365,065	323,509	210,708
Chicopee, Mass.	960	596	445	406	417	3,654	1,557	1,117	1,270	1,442
Cincinnati, Ohio	7,802	8,382	8,662	9,431	8,971	31,970	1,557	30,370	35,459	31,037
Cleveland, Ohio	16,128	13,312	12,108	10,593	9,863	67,916	29,257	45,481	56,159	37,753
Columbus, Ohio	7,160	7,046	6,030	5,350	3,557	29,353	25,251	23,283	16,237	10,613
Council Bluffs, Iowa	669	498	376	283	347	1,772	2,022	930	810	674
Covington, Ky.	844	797	726	580	499	2,915	2,152	1,722	1,592	1,479
Dallas, Tex.	5,283	4,262	3,533	3,423	3,251	28,354	16,123	9,774	8,089	9,569
Davenport, Iowa	853	662	708	1,235	1,489	1,831	1,183	2,053	1,350	2,342
Dayton, Ohio	3,388	2,922	3,118	2,617	2,017	12,484	11,011	10,332	10,358	6,343
Denver, Colo.	7,064	6,152	7,339	6,154	6,111	24,713	13,873	15,755	16,771	16,576
Des Moines, Iowa	2,130	1,383	1,243	1,299	1,171	6,184	5,869	2,876	4,510	4,032
Detroit, Mich.	41,892	40,204	28,104	28,541	26,554	180,133	183,721	145,556	129,260	100,537
Dubuque, Iowa	1,067	966	918	328	793	1,291	1,729	1,288	877	834
Duluth, Minn.	2,781	2,229	2,453	2,175	1,700	7,059	1,686	4,431	3,280	3,636
East Orange, N. J.	1,264	1,306	1,134	928	769	7,495	9,035	12,313	7,632	5,916
East St. Louis, Ill.	1,519	1,325	1,200	1,003	895	5,081	4,469	5,563	2,707	2,392
Elizabeth, N. J.	1,766	1,119	1,454	910	731	8,998	11,166	10,923	5,594	4,095
El Paso, Tex.	793	642	1,162	1,014	1,181	2,217	1,202	1,793	2,144	4,325
Erie, Pa.	2,241	2,062	1,956	1,779	1,694	8,538	6,091	5,393	4,794	6,431
Evansville, Ind.	1,885	2,278	1,861	1,805	1,354	3,270	4,468	3,416	5,111	4,421
Everett, Mass.	725	660	667	535	418	2,194	3,485	2,098	1,761	1,155
Fall River, Mass.	1,302	809	842	592	607	3,796	2,156	1,841	2,836	792
Fitchburg, Mass.	685	452	318	202	230	2,128	1,564	638	822	546
Flint, Mich.	4,388	6,487	8,785	6,700	6,717	6,274	13,029	22,087	14,423	14,084
Fort Wayne, Ind.	2,759	2,565	1,844	1,646	1,927	10,923	7,751	6,002	5,011	7,039
Fort Worth, Tex.	2,291	4,271	4,812	4,560	3,237	8,434	19,402	28,484	11,544	11,262
Galveston, Tex.	2,859	2,906	2,551	2,243	1,895	1,703	3,201	2,974	2,677	3,615
Gary, Ind.	2,717	3,305	2,857	1,966	1,162	13,058	22,074	15,017	6,041	3,146
Grand Rapids, Mich.	6,471	9,610	8,386	5,401	4,415	12,387	16,869	12,319	8,187	6,087
Hamilton, Ohio	1,118	993	632	841	756	2,208	2,529	1,783	2,063	2,411

No. 836.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Harrisburg, Pa.	1,030	1,091	1,037	844	778	3,335	4,433	3,569	5,305	7,958
Hartford, Conn.	2,717	3,100	2,321	1,931	2,192	21,804	16,217	17,530	11,278	16,144
Haverhill, Mass.	323	358	371	324	336	667	845	910	554	341
Hoboken, N. J.	268	248	271	230	265	1,749	1,230	1,529	565	743
Holyoke, Mass.	726	459	432	350	296	3,413	2,607	2,044	1,261	1,266
Houston, Tex.	6,598	5,887	5,880	6,072	3,972	35,041	28,498	27,326	35,310	20,133
Huntington, W.Va.	1,817	763	509	270	306	5,414	1,540	1,547	982	1,455
Indianapolis, Ind.	14,053	11,706	13,572	10,217	6,785	24,840	19,030	23,082	21,967	13,844
Jackson, Mich.	1,334	1,305	1,201	1,230	1,227	2,599	4,180	2,576	2,097	3,492
Jacksonville, Fla.	3,778	5,823	5,002	3,431	2,537	14,601	20,789	12,768	7,660	4,580
Jersey City, N. J.	2,061	1,833	1,554	1,375	1,219	24,989	20,903	13,852	13,876	14,585
Johnstown, Pa.	(1)	1,035	672	556	322	(1)	3,313	1,886	1,095	682
Kalamazoo, Mich.	1,421	1,394	1,494	1,513	1,340	2,053	1,984	2,223	2,035	2,410
Kansas City, Kans.	2,121	1,714	1,163	1,043	867	3,737	2,520	1,587	1,651	1,844
Kansas City, Mo.	6,386	3,899	2,919	2,345	1,946	38,256	21,576	14,822	15,541	14,845
Kenosha, Wis.	1,641	1,770	903	894	945	4,640	5,122	4,468	3,726	4,577
Knoxville, Tenn.	2,691	2,414	2,470	2,138	1,220	6,329	10,710	5,699	7,115	5,490
Lakewood, Ohio	1,378	901	870	625	550	7,317	4,293	3,516	4,522	1,830
Lancaster, Pa.	899	717	856	647	671	4,132	2,328	3,005	2,359	1,982
Lansing, Mich.	1,629	1,689	1,301	1,340	1,308	5,369	4,493	7,330	5,204	8,738
Lawrence, Mass.	534	370	261	222	241	3,005	1,729	913	603	854
Lincoln, Nebr.	1,021	1,151	1,068	1,070	980	7,007	5,936	4,399	3,643	2,560
Little Rock, Ark.	2,218	2,186	2,008	1,528	1,376	5,108	6,888	2,994	4,260	3,268
Long Beach, Calif.	4,538	3,667	4,197	4,988	4,949	12,261	8,565	15,639	16,308	18,044
Los Angeles, Calif.	43,979	37,478	37,655	33,195	31,723	152,646	123,006	123,027	101,679	93,020
Louisville, Ky.	5,109	4,059	3,278	3,215	2,466	29,504	20,252	23,341	18,120	13,205
Lowell, Mass.	1,105	853	787	633	676	2,624	1,578	971	942	704
Lynn, Mass.	1,404	1,390	1,265	1,279	1,133	4,633	4,612	3,873	3,757	3,942
McKeesport, Pa.	950	2,300	1,905	1,325	1,320	2,384	2,525	2,356	2,185	1,674
Macon, Ga.	1,628	2,085	1,943	1,817	1,416	1,730	1,759	2,886	2,350	988
Malden, Mass.	880	860	866	690	534	3,006	3,611	3,800	2,893	1,804
Manchester, N. H.	1,315	1,047	1,180	970	1,044	2,361	1,373	1,940	1,059	1,241
Medford, Mass.	1,195	1,291	1,109	1,131	904	5,596	5,759	4,371	4,515	3,483
Memphis, Tenn.	4,728	4,795	4,017	4,005	3,178	15,316	15,332	12,403	14,283	8,972
Milwaukee, Wis.	7,960	8,327	8,609	7,268	7,501	31,477	3,814	37,748	35,406	37,947
Minneapolis, Minn.	9,948	8,090	6,791	6,580	6,034	29,446	26,669	22,480	23,258	20,960
Mobile, Ala.	831	690	872	1,647	1,955	2,638	1,816	2,146	3,346	1,667
Montgomery, Ala.	1,972	1,015	1,444	2,016	2,320	1,012	1,026	2,531	3,249	2,769
Mt. Vernon, N. Y.	939	913	962	946	577	10,877	24,527	16,775	14,262	6,179
Nashville, Tenn.	1,907	2,210	2,097	2,227	2,327	6,386	5,243	7,078	5,595	5,695
Newark, N. J.	4,548	4,518	3,998	2,972	2,763	39,607	41,198	51,452	34,285	28,838
New Bedford, Mass.	1,088	830	1,422	681	581	8,297	2,269	2,167	1,095	730
New Britain, Conn.	1,473	1,559	1,437	1,227	1,061	7,717	5,789	4,104	3,552	1,106
New Haven, Conn.	1,921	2,386	1,514	1,330	1,323	8,075	19,467	11,741	8,799	12,762
New Orleans, La.	2,580	2,152	2,433	2,882	1,933	16,345	18,586	15,807	12,628	11,971
New Rochelle, N. Y.	1,031	983	905	845	740	9,410	8,154	9,736	11,233	7,585
New York, N. Y.:										
Borough of Brooklyn	27,096	26,064	22,431	18,353	13,271	255,226	283,659	220,969	198,285	146,016
Borough of Bronx	7,962	10,348	11,864	10,959	7,841	157,134	214,580	172,588	180,825	95,666
Borough of Manhattan	4,066	3,880	3,832	3,787	3,692	308,931	341,256	290,321	301,723	595,522
Borough of Queens	30,911	28,748	26,579	22,101	16,152	196,217	186,174	184,438	151,566	94,510
Borough of Richmond	3,484	3,350	3,671	3,766	2,868	13,096	14,002	12,017	15,273	10,524
Niagara Falls, N. Y.	1,471	1,308	1,343	1,577	1,805	6,715	4,244	4,791	4,869	5,071
Norfolk, Va.	1,594	1,368	1,464	1,383	1,185	2,808	2,772	3,347	3,840	2,730
Oakland, Calif.	13,082	9,979	7,027	5,092	4,264	38,964	27,728	20,518	19,537	14,396
Oak Park, Ill.	1,095	960	1,020	836	529	8,085	6,470	9,081	9,290	5,721
Oklahoma City, Okla.	2,576	2,459	3,168	3,965	4,280	5,777	7,723	12,682	13,522	22,501
Omaha, Nebr.	2,905	1,490	1,035	1,169	1,040	14,052	9,926	4,567	9,050	5,581
Passaic, N. J.	769	768	987	975	976	14,052	3,537	5,603	3,062	4,870
Paterson, N. J.	2,449	2,377	2,458	2,258	2,123	6,659	7,463	6,370	7,357	4,872
Pawtucket, R. I.	1,345	1,111	1,140	991	904	7,700	3,724	3,557	2,823	1,995
Peoria, Ill.	1,785	1,459	1,492	1,418	1,207	5,506	5,685	3,410	3,951	3,604

[1] Data not received.

No. 836.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Philadelphia, Pa	24,949	17,805	19,082	16,423	10,388	171,034	140,093	117,591	112,220	104,406
Pittsburgh, Pa	8,444	7,747	7,869	7,070	6,128	52,272	43,790	37,111	39,374	35,639
Portland, Me	1,271	1,156	1,368	1,351	1,214	2,002	4,222	2,327	2,739	2,133
Portland, Oreg	15,196	13,256	11,294	9,567	7,646	38,476	32,589	28,973	21,276	15,504
Portsmouth, Va	442	370	403	472	386	778	557	463	689	407
Providence, R. I	7,025	5,297	5,442	4,979	5,046	23,196	23,188	23,133	16,004	14,943
Pueblo, Colo	1,266	1,051	1,445	1,458	1,281	2,346	1,246	1,625	1,467	1,572
Quincy, Ill	454	421	435	369	321	1,257	1,328	1,073	1,277	832
Racine, Wis	1,295	1,306	1,373	1,078	1,264	5,265	4,067	6,391	4,417	4,783
Reading, Pa	2,805	2,542	2,367	2,179	2,483	6,814	5,267	4,614	3,808	6,111
Richmond, Va	3,522	3,217	3,891	2,317	2,151	19,398	10,025	15,216	8,845	9,146
Roanoke, Va	1,534	1,456	1,156	880	700	3,425	4,568	2,584	3,279	2,220
Rochester, N. Y	6,864	5,838	5,665	4,542	3,429	28,097	21,637	22,589	17,621	13,303
Rockford, Ill	1,959	1,946	2,116	1,875	1,652	6,476	6,539	6,553	5,737	5,083
Sacramento, Calif	2,991	2,486	2,267	1,859	1,101	11,324	7,699	8,814	5,524	4,381
Saginaw, Mich	1,844	1,663	1,426	1,658	1,801	2,935	3,085	3,611	4,350	3,121
St. Joseph, Mo	765	688	659	284	553	2,264	1,342	769	2,005	1,404
St. Louis, Mo	15,391	13,654	13,035	12,627	9,533	55,057	42,739	41,417	42,828	27,074
St. Paul, Minn	6,234	5,414	4,772	4,999	5,055	2,167	15,591	10,071	8,700	9,365
Salem, Mass	811	757	774	830	704	2,167	2,110	2,727	1,720	1,885
Salt Lake City, Utah	1,603	1,162	1,000	1,024	1,089	5,845	5,627	4,856	5,277	5,691
San Antonio, Tex	3,803	3,239	3,461	4,284	4,550	9,432	12,072	12,190	18,300	18,070
San Diego, Calif	7,746	7,930	6,652	5,150	3,811	18,061	19,831	13,877	12,150	11,415
San Francisco, Calif	8,087	7,385	6,932	6,648	5,505	50,093	57,154	46,449	37,504	33,420
Savannah, Ga	622	682	611	525	317	1,054	2,931	2,180	2,137	1,122
Schenectady, N. Y	1,583	1,082	1,192	1,175	1,341	7,160	4,010	4,318	3,428	3,431
Scranton, Pa	1,363	776	1,141	1,189	880	5,985	3,141	5,707	4,637	2,947
Seattle, Wash	11,803	10,924	9,906	9,512	7,924	30,627	34,218	29,070	34,807	29,101
Shreveport, La	2,951	2,969	2,426	2,921	2,838	5,435	5,357	3,946	4,846	3,535
Sioux City, Iowa	1,436	964	741	799	748	3,611	4,266	1,868	2,170	3,130
Somerville, Mass	1,067	1,044	822	407	639	5,653	5,066	3,386	1,424	3,076
South Bend, Ind	2,983	4,274	2,406	2,524	2,445	8,445	9,753	4,889	6,363	7,015
Spokane, Wash	2,749	2,418	2,142	2,187	2,241	4,367	4,191	3,657	5,737	4,148
Springfield, Ill	1,726	1,357	1,134	1,195	1,101	5,527	5,251	3,770	3,739	3,112
Springfield, Mass	2,765	2,275	1,954	1,539	1,367	15,002	8,734	8,906	5,977	5,095
Springfield, Ohio	1,215	1,174	945	1,017	1,006	1,543	1,447	1,694	1,557	1,750
Stockton, Calif	1,519	1,191	1,166	926	709	3,814	2,731	2,803	1,775	1,432
Superior, Wis	891	651	490	614	557	3,223	2,136	1,277	1,852	1,183
Syracuse, N. Y	3,546	3,394	3,961	3,103	2,512	11,920	14,274	21,990	13,220	11,267
Tacoma, Wash	3,759	4,555	2,453	2,341	2,538	7,074	11,088	4,765	4,660	4,053
Tampa, Fla	7,020	8,350	4,755	3,637	2,405	22,759	15,480	6,145	3,617	1,858
Terre Haute, Ind	1,897	1,755	1,586	1,696	1,189	1,536	2,064	1,213	973	799
Toledo, Ohio	6,349	6,034	6,192	5,334	4,802	15,503	13,040	15,514	17,346	13,507
Topeka, Kans	1,484	1,393	1,231	1,117	897	3,176	3,579	2,222	1,992	1,751
Trenton, N. J	2,377	1,476	1,353	1,062	824	7,923	4,931	4,530	4,106	3,675
Troy, N. Y	896	808	935	774	781	3,002	2,602	3,206	1,324	2,037
Tulsa, Okla	2,746	2,358	3,466	3,329	3,161	10,016	7,230	14,792	13,411	11,757
Union City, N. J.[1]	652	862	1,075	674	462	1,768	1,933	3,410	1,121	855
Utica, N. Y	1,024	876	672	680	486	5,157	5,532	3,381	3,917	2,497
Washington, D. C	10,805	9,324	6,954	6,916	5,641	65,400	64,970	39,263	53,975	56,128
Waterbury, Conn	1,109	1,231	1,287	907	746	5,088	5,252	5,016	3,488	2,999
Wheeling, W. Va	1,166	977	1,081	843	669	4,263	1,821	3,014	1,967	1,768
Wichita, Kans	2,341	2,278	2,322	2,390	2,712	5,042	5,184	5,849	7,974	8,652
Wilkes-Barre, Pa	1,560	1,405	1,376	1,337	922	3,901	3,941	4,934	3,896	3,225
Wilmington, Del	1,630	2,118	1,924	1,969	1,537	3,987	4,871	6,806	5,577	6,143
Worcester, Mass	3,133	2,826	2,381	1,999	1,925	18,089	12,985	8,815	7,260	7,251
Yonkers, N. Y	1,762	1,855	2,005	1,934	1,413	19,899	25,644	32,586	35,619	21,366
York, Pa	1,078	870	718	954	974	3,263	1,242	1,589	2,065	1,458
Youngstown, Ohio	2,813	2,465	2,291	2,191	1,787	11,963	9,614	9,007	8,638	5,894

[1] Formerly West Hoboken.

Source: Bureau of Labor Statistics, Department of Labor.

No. 837.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, Table 836. Figures for 1927 and 1928 represent 302 identical cities; 1929, 311 cities

Class of building	Number of buildings			Proposed cost (thousands of dollars)		
	1927	1928	1929	1927	1928	1929
All buildings	440,876	392,514	307,062	3,240,441	3,089,075	2,608,159
Residential buildings	208,763	180,534	126,952	1,961,900	1,908,322	1,477,478
1-family dwellings	164,268	143,889	104,708	789,383	710,901	516,206
2-family dwellings	25,227	19,956	12,990	208,578	153,128	98,999
1-family and 2-family dwellings with stores	3,329	2,020	1,507	34,979	26,679	14,355
Multifamily dwellings	13,663	12,063	6,662	736,330	776,419	490,957
Multifamily dwellings with stores	1,783	1,523	559	99,667	90,755	34,827
Hotels	201	234	275	69,393	114,290	284,604
Lodging houses	79	37	23	1,305	781	429
Other	213	207	138	30,764	35,370	37,011
Nonresidential buildings	232,113	201,980	180,110	1,278,542	1,180,753	1,130,680
Amusement buildings	943	947	748	128,209	84,077	43,215
Churches	1,118	1,002	855	58,890	48,852	40,882
Factories and workshops	4,181	3,932	3,927	141,307	152,411	141,620
Public garages	4,192	3,836	4,071	74,396	70,656	49,198
Private garages	181,859	155,478	135,637	65,449	54,921	48,637
Service stations	4,919	4,462	4,207	15,022	14,769	19,928
Institutions	332	303	274	75,132	65,002	73,703
Office buildings	1,271	1,352	1,136	242,853	255,801	240,950
Public buildings	330	243	327	47,451	29,378	87,554
Public works and utilities	593	516	629	45,389	38,571	45,444
Schools and libraries	837	843	753	155,542	142,154	128,897
Sheds	13,608	11,658	10,649	5,091	4,870	4,456
Stables and barns	358	356	324	823	581	969
Stores and warehouses	13,280	12,925	12,038	215,747	210,306	254,103
All other	4,283	4,127	4,535	7,239	7,704	9,124

Source: Bureau of Labor Statistics, Department of Labor.

No. 838.—INDEX NUMBERS OF BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average 1923-1925=100]

Year and quarterly average	(1) Wholesale price indexes of—							(2) Construction costs	(3) Factory building costs	(4) Frame house materials, retail prices	(4) Brick house materials, retail prices
	All building materials	Lumber	Brick, common (average 82 yards)	Cement f. o. b. plant near Chicago	Structural steel	Paint materials	Other building materials				
1913	54.4	52.0	38.0	56.5	68.0	49.1	61.1	47.1	------	49.7	49.2
1914	50.6	48.0	37.9	52.2	52.9	49.0	57.8	41.8	50.5	------	------
1915	51.3	46.9	38.2	48.4	57.6	53.0	63.0	43.7	------	------	------
1916	64.9	53.0	41.4	62.0	113.7	74.6	85.0	69.5	------	------	------
1917	84.6	69.5	49.0	76.2	168.3	92.2	110.4	85.4	------	------	------
1918	94.6	80.4	65.1	89.8	135.1	117.9	117.1	89.2	------	------	------
1919	110.9	108.8	89.7	97.1	113.5	135.7	113.1	93.5	------	------	------
1920	144.0	159.0	115.6	111.2	127.3	143.2	130.7	118.5	------	------	------
1921	93.5	85.6	103.2	105.1	92.1	81.1	107.6	95.1	90.1	------	------
1922	93.4	95.4	97.1	98.2	78.0	90.7	92.3	82.3	85.9	90.5	91.6
1923	104.3	107.6	101.2	102.4	109.1	98.0	102.1	100.9	101.9	102.7	103.0
1924	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	100.1	100.0	100.1
1925	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.5	98.1	97.2	96.8
1926	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.5	96.7	95.9
1927	89.5	89.0	91.0	91.7	83.5	88.0	91.1	97.3	97.2	92.9	92.6
1928	89.9	86.7	90.5	91.0	84.0	83.8	98.1	97.5	96.4	88.4	90.1
1929	93.2	91.0	89.0	87.1	86.5	88.3	103.5	97.6	95.8	88.0	89.6
1928											
January-March	87.2	85.5	90.2	91.6	83.3	83.6	89.9	96.4	96.7	90.0	91.2
April-June	89.5	84.9	90.7	91.6	84.4	83.1	99.3	97.4	96.6	88.1	90.0
July-September	90.8	87.0	90.5	91.0	83.3	83.7	100.9	97.6	96.4	87.5	89.2
October-December	92.1	89.2	90.6	89.8	84.8	84.8	102.3	98.6	96.2	87.9	89.9
1929											
January-March	93.7	91.3	90.3	89.8	85.5	83.7	105.5	98.6	95.9	87.5	89.3
April-June	93.1	91.2	89.1	89.8	87.0	83.0	103.9	96.5	95.9	87.6	89.3
July-September	93.1	91.1	87.3	86.2	87.8	91.3	102.1	97.2	95.4	87.8	89.4
October-December	92.8	90.2	88.4	82.7	85.5	95.0	102.4	98.1	95.9	88.2	89.6

Sources: (1) Department of Labor; (2) Lumber, steel, cement, and rates paid common labor, Engineering News-Record; (3) Standard factory building, Aberthaw Construction Co.; (4) Retail prices of building material in 60 cities, Department of Commerce.

No. 839.—CONSTRUCTION CONTRACTS AWARDED

NOTE.—Data compiled from reports covering contracts awarded in small towns and rural districts as well as large cities. Certain public works (roads, etc.) not in the nature of buildings have no floor space reported. The total value of contracts awarded for the 25 States for years prior to 1919 were as follows: 1910, $805,700,000; 1911, $777,456,000; 1912, $868,103,000; 1913, $857,700,000; 1914, $720,240,000; 1915, $940,092,000; 1916, $1,356,981,000; 1917, $1,618,157,000; 1918, $1,689,240,000

[Floor space in thousands of square feet; values in thousands of dollars]

Year	Total	Residential	Commercial	Industrial	Public works and utilities	Educational	Hospitals and institutions	All other
27 NORTHERN AND EASTERN STATES [1]								
Number of projects: [2]								
1919	82,342	47,990	13,102	7,637	7,843	1,997	582	3,191
1920	57,851	28,966	10,752	6,137	6,406	2,027	687	2,976
1921	78,243	49,421	10,132	3,287	8,453	2,727	647	3,576
1922	107,652	72,906	12,636	3,876	10,427	3,301	718	3,698
1923	105,458	71,536	12,715	4,051	10,483	2,768	605	3,300
1924	100,052	77,713	12,172	3,463	8,673	2,793	660	3,578
1925	132,108	96,822	13,925	4,274	9,125	2,960	733	4,269
1926	132,338	93,722	14,728	4,620	10,885	2,935	799	4,649
1927	143,989	100,138	16,058	4,557	13,451	3,362	997	5,420
1928	161,142	112,710	18,053	4,949	15,867	3,499	963	5,101
1929	139,236	90,155	18,436	5,531	16,044	3,377	975	4,715
Floor space of buildings:								
1919	560,219	241,880	110,584	153,268	----------	22,979	6,821	24,388
1920	401,894	137,524	82,434	127,830	----------	26,278	6,277	21,551
1921	387,220	204,575	65,235	35,771	----------	40,583	10,083	30,382
1922	573,856	311,407	95,233	65,550	----------	54,592	11,770	35,295
1923	591,976	354,257	92,788	62,205	----------	44,332	9,907	28,397
1924	600,916	371,268	95,861	40,967	----------	46,875	12,707	33,238
1925	762,146	470,207	124,064	58,719	----------	51,204	12,020	45,932
1926	741,270	450,219	121,039	67,764	----------	44,478	13,131	44,610
1927	723,655	434,856	118,940	58,052	----------	45,197	16,967	49,644
1928	884,689	507,980	134,206	76,812	----------	52,986	18,183	44,522
1929	676,211	342,803	136,269	91,293	----------	51,952	17,520	36,361
Value of contracts:								
1919	2,579,881	849,206	405,666	512,924	502,006	119,515	39,192	151,372
1920	2,533,222	566,123	419,653	588,965	566,345	172,299	47,543	172,296
1921	2,360,159	877,870	338,023	173,316	459,356	243,652	70,135	197,832
1922	3,352,657	1,347,157	495,300	325,000	532,166	303,347	86,628	232,059
1923	3,494,118	1,582,751	446,124	378,815	557,368	272,529	62,044	194,487
1924	3,879,538	1,842,463	522,234	285,137	577,327	317,147	98,311	236,589
1925	5,043,028	2,350,997	717,253	413,321	704,113	369,490	97,934	391,311
1926	5,421,677	2,338,538	784,145	502,326	861,262	321,125	120,835	403,146
1927	5,473,161	2,326,942	834,425	376,761	1,025,444	323,780	148,980	436,829
1928	5,843,852	2,551,170	785,347	506,084	1,133,278	347,167	153,725	367,681
1929	5,016,031	1,753,685	832,711	589,250	1,039,585	342,739	140,782	317,580
37 STATES [3]								
Number of projects:								
1925	173,722	127,679	19,083	5,316	11,006	4,024	929	5,685
1926	170,723	120,473	20,249	5,777	13,261	3,903	985	5,955
1927	184,604	128,436	21,016	5,637	16,280	4,497	1,194	6,944
1928	200,257	139,153	23,583	6,067	19,012	4,761	1,141	6,560
1929	172,173	110,499	24,137	6,080	19,072	4,531	1,190	6,064
Floor space of buildings:								
1925	924,007	559,521	160,067	70,294	----------	61,308	14,036	58,783
1926	877,120	521,061	151,930	80,843	----------	54,565	14,790	53,932
1927	840,923	494,463	141,815	70,855	----------	55,475	18,803	59,513
1928	958,989	567,831	159,192	95,382	----------	63,203	20,004	53,377
1929	784,449	388,643	161,733	108,782	----------	60,644	19,491	45,153
Value of contracts:								
1925	6,007,598	2,747,882	872,444	490,942	901,619	426,386	111,050	457,277
1926	6,384,406	2,674,210	920,891	698,505	1,113,098	321,078	133,102	463,522
1927	6,303,055	2,573,317	932,911	494,050	1,263,835	379,796	162,474	496,673
1928	6,636,186	2,704,317	854,610	635,390	1,337,931	400,897	164,728	418,313
1929	5,771,301	1,932,728	932,688	756,512	1,248,342	381,908	152,204	366,919

[1] Prior to May, 1921, these figures covered the 25 States north and east of, and including, North Dakota, South Dakota, Iowa, Missouri, Tennessee, and Virginia, together with portions of eastern Kansas and Nebraska, and the District of Columbia. Beginning May, 1921, North Carolina and South Carolina were added to the list, but this addition is stated to have little effect upon the total.

[2] No data available prior to 1919.

[3] Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

Source: The F. W. Dodge Corporation.

No. 840.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY MONTHS

NOTE.—See headnote, Table 839

Month	Floor space of buildings [1] (thousands of square feet)				Value of construction (thousands of dollars)			
	1926	1927	1928	1929	1926	1927	1928	1929
Total	877,120	840,923	958,989	784,449	6,384,406	6,303,055	6,636,186	5,771,301
January	65,402	52,700	63,486	58,169	457,159	384,455	427,169	409,668
February	55,323	54,263	68,652	53,521	407,900	393,583	465,331	361,274
March	85,458	86,889	87,633	70,655	623,879	620,738	592,567	484,588
April	85,849	83,150	94,267	84,519	570,614	604,301	643,137	642,061
May	84,135	73,016	93,526	80,656	549,815	552,340	668,097	587,766
June	77,104	77,293	94,087	71,926	547,792	632,478	650,466	545,891
July	68,643	67,130	81,674	74,986	518,932	534,390	583,432	652,436
August	75,456	72,398	78,337	65,895	605,808	552,488	516,970	423,882
September	74,107	66,913	75,081	59,132	562,372	521,610	587,674	445,412
October	71,728	76,051	85,307	64,855	515,727	502,816	597,104	445,612
November	70,121	68,544	72,736	50,785	487,013	466,394	471,482	391,013
December	63,794	62,486	64,165	43,351	537,397	477,364	432,756	316,368

[1] Does not include floor space for public works and public utilities.

No. 841.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY CLASSES AND DISTRICTS

NOTE.—See headnote, Table 839. Philadelphia district includes eastern Pennsylvania, southern New Jersey, Maryland, Delaware, District of Columbia, and Virginia; Pittsburgh district, western Pennsylvania, West Virginia, Ohio, and Kentucky; Southeastern district, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Arkansas, and Louisiana; Chicago-St. Louis district, Illinois, Indiana, Iowa, Wisconsin, southern Michigan, Missouri, Kansas, Nebraska, and Oklahoma; Minneapolis district, Minnesota, North Dakota, South Dakota, and northern Michigan

Year and class	37 States	New England	New York and northern New Jersey	Philadelphia	Pittsburgh	Southeastern	Chicago-St. Louis	Minneapolis	Texas
	Floor space (in thousands of square feet)[1]								
Total, all classes:									
1925	924,007	82,322	251,363	96,005	96,752	125,404	218,654	17,050	36,457
1926	877,120	70,639	251,316	96,850	86,227	97,159	220,230	15,949	38,691
1927	840,923	62,581	223,007	90,008	86,105	79,891	243,183	12,771	37,377
1928	958,989	71,936	271,289	111,712	85,476	86,214	282,904	11,373	38,036
1929	784,449	61,835	184,186	98,240	78,365	73,348	242,035	10,649	34,889
1929									
Residential	388,643	33,813	105,525	51,097	32,224	29,645	116,566	3,583	16,190
Commercial	161,733	10,579	40,234	17,659	15,730	15,413	48,976	3,100	10,051
Industrial	108,782	6,622	12,194	13,967	14,140	15,126	43,018	1,352	2,363
Educational	60,644	5,495	12,781	7,524	7,626	6,239	17,353	1,173	2,453
Hospitals and institutions	19,494	1,633	5,048	2,203	3,087	1,466	5,272	286	499
All other	45,153	3,695	8,404	5,799	5,557	5,458	11,750	1,156	3,334
	Value (in thousands of dollars)								
Total, all classes:									
1925	6,007,598	447,181	1,601,329	552,318	828,912	779,212	1,488,069	95,229	185,353
1926	6,384,406	441,553	1,775,001	689,414	741,868	730,317	1,672,133	102,118	232,412
1927	6,303,055	412,767	1,684,446	721,148	758,135	610,789	1,812,849	83,816	219,105
1928	6,636,186	490,481	1,814,317	787,673	724,416	660,925	1,940,775	80,191	231,409
1929	5,771,301	398,382	1,467,273	671,500	685,536	537,469	1,698,836	94,505	217,800
1929									
Residential	1,932,728	153,269	592,522	246,197	160,140	118,826	579,467	16,090	60,217
Commercial	932,688	64,756	289,026	100,935	92,035	56,967	267,748	18,212	43,010
Industrial	756,512	43,255	77,227	88,424	111,388	150,547	256,134	12,322	16,716
Educational	381,908	42,308	98,233	52,268	42,899	26,789	100,991	6,030	12,381
Public works and utilities	1,248,342	49,651	283,781	106,054	203,711	144,331	368,607	32,482	64,726
Hospitals and institutions	152,204	14,374	44,711	17,413	23,412	8,248	38,676	2,195	3,174
All other	366,919	30,769	81,773	60,209	45,451	31,762	92,213	7,165	17,576

[1] Excludes floor space for public works and public utilities.

Source of Tables 840 and 841: The F. W. Dodge Corporation.

No. 842.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,957

Calendar year or period	Patent applications [1]	Caveats filed [2]	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836–1850 [3]	14,062	4,763	8,387	7,864	340	183			
1851–1860	44,302	9,571	25,087	23,140	1,025	922			
1861–1870	126,763	22,228	85,910	79,612	3,181	3,117	121	121	
1871–1880	206,436	29,350	138,355	125,520	7,535	5,300	10,394	8,016	2,378
1881–1890	352,475	25,012	217,821	207,350	8,357	1,614	14,660	10,636	4,024
1891–1900	410,049	21,199	234,956	220,840	13,374	742	18,794	16,903	[4] 1,891
1901–1905	253,417	9,168	148,291	143,791	3,953	547	18,590	12,768	5,822
1906–1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911–1915	350,037		194,387	186,241	7,295	851	32,381	27,369	5,012
1916–1920	368,236		207,108	197,644	8,486	978	35,304	30,681	4,683
1921–1925	426,597		217,525	203,977	12,326	1,222	79,288	68,881	10,407
1901	46,449	1,842	27,373	25,558	1,784	81	2,965	1,928	1,037
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,967	36,620	35,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191	838
1909	65,839	1,948	37,421	36,574	687	160	4,824	4,184	640
1910	64,629	970	35,930	35,168	639	123	4,729	4,239	490
1911	69,121		34,084	32,917	1,010	157	5,112	4,205	907
1912	70,976		37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367		35,788	33,941	1,683	164	6,063	5,065	998
1914	70,404		41,850	39,945	1,715	190	7,874	6,817	1,057
1915	70,069		44,934	43,207	1,545	182	7,436	6,262	1,174
1916	71,033		45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373		42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615		39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400		38,598	36,872	1,523	203	4,874	4,208	666
1920	86,815		39,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328		41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930		40,297	38,414	1,627	256	14,992	12,793	2,199
1923	79,058		40,787	38,634	1,927	226	16,725	14,845	1,880
1924	80,756		45,500	42,594	2,671	235	17,562	15,749	1,813
1925	84,525		49,540	46,450	2,824	266	16,404	13,840	2,564
1926	86,028		47,627	44,750	2,602	275	[5] 21,819	[5] 19,246	2,573
1927	92,018		44,444	41,731	2,387	326	[5] 20,548	[5] 17,649	2,899
1928	87,476		45,899	42,376	3,188	335	[5] 19,084	[5] 16,191	2,893
1929	89,503		48,565	45,284	4,520	466	[5] 21,748	[5] 18,665	3,083

[1] Including patents, designs, and reissues.
[2] Caveat law repealed June 25, 1910.
[3] July 28, 1836, to Dec. 31, 1850.
[4] Registration of labels suspended from May 27, 1891, to June 9, 1896.
[5] Figures include 4,282 renewals in 1926, 3,063 in 1927, 2,049 in 1928, and 1,712 in 1929.

Source: Reports of the Commissioner of Patents.

APPENDIX

UNITED STATES UNITS WITH METRIC EQUIVALENTS

1 inch=2.540 centimeters.
1 foot=0.3048 meter.
1 yard=0.9144 meter.
1 mile=1.609 kilometers.
1 square yard=0.8361 square meter.
1 acre=0.4047 hectare.
1 square mile=2.590 square kilometers.
1 cubic inch=16.39 cubic centimeters.
1 cubic foot=0.02832 cubic meter.
1 cubic yard=0.7646 cubic meter.
1 liquid quart=0.9463 liter.
1 gallon=231 cubic inches=3.785 liters.
1 bushel (measured)=2,150.4 cubic inches=35.24 liters.
1 avoirdupois ounce=28.35 grams.
1 troy ounce=31.10 grams.
1 pound=0.4536 kilogram.
1 long ton=2,240 pounds=1.0160 metric tons of 1,000 kilograms.
1 short ton=2,000 pounds=0.9072 metric ton.

UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

1 United States gallon=231 cubic inches=0.8331 imperial gallon.
1 United States bushel=2,150.4 cubic inches=0.9694 imperial bushel.

OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

	Pounds	Kilograms
Wheat flour, barley flour, rye flour, and corn meal (net)[1]	196	88.90
Rosin, tar, and pitch (gross)	500	226.80
Fish, pickled (net)	200	90.72
Lime (net)	200	90.72
Cement (4 bags counted as 1 barrel) (net)[1]	376	170.55

[1] Except as noted.

OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

	Pounds	Kilograms
Wheat, beans, peas, potatoes (Irish or white)	60	27.22
Rye, corn (maize), linseed (flaxseed), maslin (mixed grain)	56	25.40
Barley, buckwheat	48	21.77
Onions	57	25.86
Rough rice	45	20.41
Malt	34	15.42
Oats	32	14.51
Peanuts, green, in shell	22	9.98
Castor beans	50	22.68

APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

	Weight of United States gallon		Weight of barrel of 42 gallons	
	Pounds	Kilograms	Pounds	Kilograms
Crude petroleum	7.3	3.311	306.6	139.07
Lubricating oils	7.0	3.175	294.0	133.36
Illuminating oils (kerosene)	6.6	2.994	277.2	125.74
Gasoline and related products (motor spirit, benzine, etc.)	6.1	2.767	256.2	116.21
Fuel and gas oils	7.7	3.493	323.4	146.69

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NOTE.—Many individual commodities and industries *not* listed in the index are shown in the general tables, where they may readily be found, being either arranged alphabetically or placed in appropriate groups. Such tables are—

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[1] For important individual commodities see references thereto in index. For commodities not indexed separately see reference to appropriate groups shown in italics.

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