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, Puerto Rico, and, beginning Jan. 1, 1935, the Virgin Islands. Index numbers of mineral production are shown in table 829, p. 804]

No. 752. Mineral Products of the United States—Value, for Metallic and Nonmetallic: 1881 to 1939

NOTE.—All figures in millions of dollars. See general note above

YEARLY AVERAGE OR YEAR	Total	Metallic	NONMETALLIC			YEAR	Total	Metallic	NONMETALLIC		
			Total	Fuels [1]	Other				Total	Fuels [1]	Other
1881–1885	426	194	232	171	61	1921	4,139	655	3,484	2,703	780
1886–1890	541	249	292	215	78	1922	4,647	988	3,659	2,738	921
1891–1895	592	245	347	248	99	1923	5,987	1,512	4,475	3,317	1,157
1896–1900	828	366	462	307	154	1924	5,306	1,233	4,072	2,899	1,174
1901–1905	1,392	578	814	546	267	1925	5,678	1,382	4,295	3,059	1,237
1906–1910	1,887	769	1,118	746	372	1926	6,214	1,405	4,808	3,542	1,266
1911–1915	2,220	821	1,400	967	433	1927	5,530	1,221	4,309	3,060	1,249
1916–1920	5,129	1,798	3,331	2,602	729	1928	5,385	1,288	4,097	2,885	1,212
1921–1925	5,151	1,154	3,997	2,943	1,054	1929	5,888	1,480	4,407	3,191	1,217
1926–1930	5,556	1,276	4,280	3,088	1,192	1930	4,705	986	3,779	2,765	1,015
1931–1935	3,032	511	2,521	1,977	544	1931	3,167	570	2,597	1,892	704
1913	2,434	879	1,554	1,088	467	1932	2,462	286	2,176	1,743	432
1914	2,111	687	1,424	993	431	1933	2,555	417	2,138	1,683	455
1915	2,305	903	1,401	973	429	1934	3,325	549	2,776	2,233	543
1916	3,508	1,622	1,886	1,333	554	1935	3,650	733	2,917	2,330	587
1917	4,992	2,089	2,904	2,238	666	1936	4,557	1,082	3,475	2,759	716
1918	5,541	2,157	3,384	2,736	648	1937	5,413	1,468	3,945	3,201	745
1919	4,624	1,361	3,263	2,511	752	1938	4,363	892	3,471	2,820	650
1920	6,981	1,764	5,218	4,193	1,025	1939 (prel.)	4,874	1,291	3,583	2,819	764

[1] Coal, natural gas, natural gasoline, petroleum.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 753.—Nonferrous Metals—Yearly Average Prices, by Kind: 1896 to 1939

[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 [3] (New York)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896–1900	[4] 13.41	3.84	19.54	[5] 4.55	37.15	8.204	42.17	[6] 16.66
1901–1905	13.877	4.330	28.194	[7] 5.284	33.80	7.398	43.17	19.55
1906–1910	15.642	4.780	34.260	5.432	31.12	11.885	44.12	26.58
1911–1915	14.973	4.359	41.104	7.205	23.84	12.373	52.77	45.16
1916	27.202	6.858	43.480	12.634	60.71	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.730	51.59	20.690	106.30	102.82
1918	[8] 24.628	7.413	(9)	7.890	33.53	12.581	123.47	105.95
1919	18.601	5.759	63.328	6.988	32.14	8.100	92.15	114.61
1920	17.456	7.957	49.101	7.071	32.72	8.485	81.12	110.90
1921	12.502	4.545	29.916	4.655	21.11	4.957	45.40	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	6.755	64.353	6.242	25.41	12.393	118.16	84.64
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	8.956	122.15	67.66
1930	12.982	5.517	31.894	4.556	23.79	7.667	115.01	45.36
1931	8.116	4.243	24.467	3.640	23.30	6.720	87.35	35.67
1932	5.555	3.180	22.017	2.876	23.30	5.592	57.93	36.46
1933	7.025	3.869	39.110	4.029	23.30	6.528	59.23	30.99
1934	8.428	3.860	52.191	4.158	21.58	8.001	73.87	36.47
1935	8.649	4.065	50.420	4.328	20.50	13.616	71.99	34.15
1936	9.474	4.710	46.441	4.901	20.50	12.240	79.02	42.93
1937	13.167	6.009	54.337	6.519	20.08	15.355	90.18	51.77
1938	10.000	4.739	42.301	4.610	20.00	12.349	75.47	35.90
1939	10.965	5.053	50.323	5.110	20.00	12.359	103.94	36.75

[1] Flasks of 75 pounds prior to 1927; 76 thereafter.
[2] 99 percent tin, 1896–1919; Straits tin thereafter.
[3] Prices 1896 to 1929 for pure aluminum (No. 1 virgin 98–99 percent); beginning 1930, for 99 percent + virgin ingot.
[4] Prices 1896 to 1898 are for Lake copper.
[5] Data are for New York zinc.
[6] Average for 1899 and 1900 only.
[7] Average, 1903–5; average for New York zinc, 1901–5, 5.058 cents.
[8] Average of 11 months.
[9] No average computed.

Sources: Engineering and Mining Journal and The Mineral Industry; American Metal Market, annual report, for aluminum, 1909–39.

No. 754.—Mines and Quarries—Summary for Producing and Nonproducing Enterprises: 1929

Note.—Statistics are not comparable with those for earlier years shown in the 1931 and previous issues of the Statistical Abstract owing to the exclusion of data for the petroleum and natural-gas industries (no data having been collected in 1929) and the inclusion of data for the sand and gravel, glass-sand, and moulding-sand industries (data having been collected for the first time in 1929)

	All enterprises	Producing enterprises	Nonproducing enterprises	
			Number or amount	Percent of total
Number of enterprises (see source note)	10,996	10,135	861	7.8
Number of mines and quarries	12,506	11,602	904	7.2
Persons engaged, total	870,480	863,948	6,532	.8
Proprietors and firm members	4,929	4,897	32	.6
Salaried employees	53,331	52,633	698	1.3
Wage earners (average for the year)	812,220	806,418	5,802	.7
Power equipment (total horsepower)	7,584,463	7,514,843	69,620	.9
Prime movers	2,780,116	2,743,025	37,091	1.3
Electric motors driven by purchased energy	4,804,347	4,771,818	32,529	.7
Principal expenses, total—1,000 dollars	1,675,944	1,661,168	14,776	.9
Salaries—do	139,023	137,639	1,384	1.0
Wages—do	1,099,895	1,091,990	7,905	.7
Contract work—do	17,914	17,056	857	4.8
Supplies—do	297,554	293,568	3,986	1.3
Fuel—do	49,364	49,146	218	.4
Purchased electric energy—do	72,195	71,769	426	.6
Value of products—do	2,392,831	2,392,831	----------	---------
Expenditures for development (included above in "Principal expenses")—1,000 dollars	89,646	76,488	13,158	14.7
Machinery and other equipment purchased during the year (total cost)—1,000 dollars	86,732	84,508	2,224	2.6

No. 755.—Mines and Quarries, Producing—Summary: 1909 to 1929

	1909 [1]	1919 [1]	1929		Percent increase or decrease (—)	
			All industries	Revised (for comparative purposes) [1]	1909–1919	1919–1929
Number of enterprises	12,089	11,466	10,135	9,063	—5.2	—21.0
Number of mines and quarries	18,127	13,731	11,602	10,277	—24.3	—25.2
Persons engaged, total	982,329	952,565	863,948	841,652	—3.0	—11.6
Proprietors and firm members	13,703	7,695	4,897	4,629	—43.8	—39.8
Salaried employees	37,946	56,515	52,633	48,666	48.9	—13.9
Wage earners (average for the year)	930,680	888,355	806,418	788,357	—4.5	—11.3
Power equipment (total horsepower)	3,384,759	4,900,102	7,514,843	6,970,091	44.8	42.2
Prime movers	3,179,270	3,341,350	2,743,025	2,502,132	5.1	—25.1
Electric motors driven by purchased energy	205,489	1,558,752	4,771,818	4,467,959	658.6	186.6
Principal expenses (1,000 dollars):						
Salaries	46,093	115,861	137,639	126,008	151.4	8.8
Wages	559,546	1,161,415	1,091,990	1,066,606	107.6	—8.2
Contract work	12,151	10,717	17,056	16,595	—11.8	54.9
Supplies and materials	196,530	331,627	293,568	280,623	120.3	—15.4
Fuel		74,082	49,146	44,693		—39.7
Purchased electric energy		27,230	71,769	66,416		143.9
Value of products (1,000 dollars)	1,052,569	2,226,671	2,392,831	2,280,384	111.5	2.4

[1] The figures for 1909, 1919, and 1929 have been adjusted to make them comparable.

Source of tables 754 and 755: Department of Commerce, Bureau of the Census; Fifteenth Census Reports, Mines and Quarries. (For definition of enterprise, see p. 4 of report.)

No. 756.—Mines and Quarries, Producing—Summary, by States: 1919 and 1929

Note.—Figures for 1919 and 1929 have been revised to make them comparable except for 1919 where data for revision were not available, and for certain States for 1929 where revision would result in disclosure of individual operations. Therefore, the totals for the United States are less than the sum of the figures for the States for both years and for geographic divisions for 1919; also the totals for most of the geographic divisions for 1929 are less than the sum of the figures for the States

[Wages and value of products in thousands of dollars]

Division and State	Number of mines and quarries		Wage earners (average for the year)		Horsepower		Wages		Value of products	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
Continental U. S.	13,731	10,277	888,355	785,357	4,900,102	6,970,091	1,161,415	1,066,606	2,226,671	2,280,384
New England	334	347	7,213	7,979	62,725	98,422	8,038	11,560	18,723	27,929
Maine	51	56	979	1,170	6,277	12,076	1,052	1,577	1,823	3,468
New Hampshire	33	39	682	569	4,336	5,455	826	773	1,568	1,562
Vermont	109	129	2,936	3,154	28,099	30,906	3,042	4,153	8,555	10,276
Massachusetts	79	77	1,704	2,207	12,493	26,741	2,069	3,657	4,176	8,571
Rhode Island	15	14	369	256	3,000	4,237	400	385	952	809
Connecticut	47	42	543	761	8,520	10,756	647	1,220	1,649	3,810
Middle Atlantic	3,757	2,402	324,242	282,913	1,723,094	2,294,998	446,802	413,541	777,718	717,793
New York	147	206	5,334	5,021	61,143	102,389	6,410	7,480	15,230	24,272
New Jersey	102	71	4,576	2,906	33,901	50,171	5,393	4,309	9,309	11,100
Pennsylvania	3,508	2,129	314,332	275,138	1,628,050	2,143,828	434,999	401,988	753,179	683,531
East North Central	2,324	1,823	181,733	115,863	953,714	1,141,215	227,541	154,018	401,132	318,842
Ohio	1,064	744	44,175	25,500	184,271	182,003	51,767	29,117	89,035	51,757
Indiana	398	375	26,348	15,968	121,994	156,645	29,717	22,349	50,236	44,297
Illinois	690	486	76,371	52,164	282,801	308,602	90,901	71,825	147,410	124,772
Michigan	165	117	31,292	19,745	337,882	355,897	50,406	27,229	103,870	87,819
Wisconsin	107	104	3,547	2,517	26,766	49,158	4,750	3,545	10,581	10,401
West North Central	1,270	1,186	55,948	40,634	330,264	439,585	74,651	54,231	211,597	220,161
Minnesota	196	143	17,265	11,370	144,199	198,182	29,383	17,767	130,399	130,359
Iowa	229	207	11,274	6,766	32,166	38,945	12,466	8,806	18,474	14,648
Missouri	494	401	14,357	12,793	100,070	147,986	16,777	15,538	33,366	43,479
North and South Dakota	107	150	2,559	2,507	13,881	35,202	3,526	3,834	7,242	10,527
Nebraska	9	8	162	137	1,847	1,605	166	182	293	460
Kansas	238	257	9,831	7,061	38,101	67,665	12,333	8,104	21,823	20,688
South Atlantic	1,976	1,481	117,405	130,236	510,985	971,549	136,860	155,870	252,555	288,757
Delaware and Dist. of Col	11	6	128	104	757	901	144	120	259	208
Maryland	161	119	5,628	3,987	18,660	23,967	6,152	4,125	9,699	7,341
Virginia	216	196	14,547	15,015	57,880	107,316	16,108	14,554	29,363	28,706
West Virginia	1,325	870	88,510	101,085	366,028	664,530	107,162	128,418	196,088	222,317
North Carolina	106	123	1,890	2,436	5,030	20,348	1,489	2,193	2,737	5,631
South Carolina	20	35	933	1,208	4,656	18,470	680	930	1,351	3,003
Georgia	82	81	2,397	3,605	12,906	34,386	2,017	2,898	4,082	9,489
Florida	55	65	3,372	3,061	44,969	106,384	3,108	3,046	8,976	13,525
E. South Central and W. South Central	1,970	1,491	109,798	120,698	481,635	839,583	122,187	127,551	225,570	263,629
Kentucky	864	617	41,444	57,569	135,098	310,864	46,905	62,442	75,157	102,502
Tennessee	263	167	14,470	11,441	56,676	73,772	12,987	10,333	23,202	22,050
Alabama	348	242	32,579	31,674	145,776	265,666	36,230	30,693	59,866	53,303
Arkansas	126	121	3,614	4,744	20,748	30,620	4,547	4,565	7,783	9,796
Louisiana and Mississippi	4	2	387	94	6,886	590	469	100	8,001	220
Oklahoma	284	245	12,734	10,047	94,930	98,481	16,060	13,318	34,430	31,560
Texas	81	104	4,565	5,190	21,514	60,394	4,989	6,151	17,041	44,334
Mountain	1,598	1,094	79,234	78,898	700,398	980,410	127,506	132,711	299,454	397,995
Montana	269	169	16,091	14,575	143,473	201,749	25,666	25,718	49,666	64,774
Idaho	83	65	2,455	4,226	31,059	67,295	4,202	7,420	11,840	20,746
Wyoming	87	73	7,532	5,282	49,864	50,855	11,090	9,664	19,909	18,817
Colorado	523	333	16,710	14,493	114,448	116,592	25,203	22,267	51,053	41,205
New Mexico	103	89	7,100	6,986	59,876	90,961	10,494	10,118	18,873	27,142
Arizona	172	134	15,268	16,538	165,076	201,456	26,193	28,238	88,478	116,135
Utah	154	131	9,847	12,149	85,816	179,475	17,197	21,225	41,511	82,843
Nevada	207	104	4,231	4,685	50,786	72,915	7,401	8,104	18,054	26,495
Pacific	502	473	12,790	11,138	137,386	156,329	17,840	17,122	39,968	45,278
Washington	93	90	5,050	3,652	37,998	39,321	7,466	5,796	13,320	12,271
Oregon	52	44	740	635	6,264	7,249	993	958	1,885	2,410
California	357	340	7,000	6,859	93,124	110,019	9,381	10,382	24,752	30,639

Source: Department of Commerce, Bureau of the Census; Fifteenth Census Reports, Mines and Quarries.

No. 757.—Mines and Quarries, Producing—Summary, by Industries: 1919 and 1929

Note.—Figures for 1919 and 1929 for the limestone, sandstone, abrasive materials, and silica industries are not strictly comparable, owing to the inclusion or exclusion of data for 1929 not similarly treated for 1919. For the limestone industry, data for quarrying operations of lime and cement manufacturers are included in the figures for 1929 but not in those for 1919. For the sandstone industry, data for enterprises whose product was ground into glass or molding sand, or used as refractory materials (siliceous mica schist and ganister), etc., are included in the figures for 1919 but excluded from those for 1929 and included in the figures for the glass-sand, molding-sand, abrasive-materials, or silica industries, according to the nature and purpose of the final product. Data for diatomaceous earth are included in the figures for abrasive materials in 1919 and in those for silica in 1929

[Wages and value of products in thousands of dollars]

INDUSTRY	NUMBER OF MINES AND QUARRIES		WAGE EARNERS (AVERAGE FOR THE YEAR)		HORSEPOWER		WAGES		VALUE OF PRODUCTS	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
All industries [1]	13,731	10,277	888,355	788,357	4,900,102	6,970,091	1,161,416	1,066,606	2,226,671	2,280,384
Coal:										
Anthracite	421	303	147,372	142,801	899,783	1,041,465	210,289	229,967	364,084	384,854
Bituminous	8,282	5,620	545,798	458,732	2,155,065	3,124,187	682,601	574,800	1,145,978	966,694
Metals:										
Copper	226	180	43,717	44,502	522,426	701,791	66,390	73,200	181,258	283,517
Iron ore	409	208	45,741	28,516	370,859	498,821	75,713	40,905	218,218	197,335
Lead and zinc	473	375	21,884	25,907	229,401	357,737	30,708	39,192	75,579	112,428
Gold and silver, lode mines	799	258	15,436	7,946	149,100	98,772	23,818	12,982	58,832	26,107
Gold, placer mines	132	37	1,380	578	35,032	20,280	1,914	970	9,369	3,779
Mercury	26	40	748	1,020	2,607	5,625	828	1,384	1,803	2,820
Manganese	37	21	909	354	5,800	2,342	1,086	392	2,188	1,185
Stone:										
Limestone	925	1,256	22,069	32,300	213,717	535,466	23,926	39,188	52,944	117,258
Granite	381	434	8,049	10,037	55,614	108,217	8,588	12,040	18,279	30,381
Basalt	174	144	3,336	3,053	37,307	63,881	3,991	4,498	9,668	15,544
Slate	104	130	3,513	4,098	20,613	33,817	3,128	4,884	5,721	10,486
Marble	62	88	1,732	3,350	15,628	30,198	1,452	3,202	4,398	7,539
Sandstone	276	172	4,287	2,156	33,869	28,935	4,449	2,626	10,685	6,312
Miscellaneous	(2)	234	(2)	1,841	(2)	28,527	(2)	2,406	(2)	8,475
Miscellaneous:										
Abrasive materials [3]	34	36	317	462	1,748	3,823	322	491	722	1,411
Asbestos	11	11	146	195	420	2,114	92	237	250	397
Asphalt and bituminous rock	12	25	324	1,123	648	13,109	295	1,255	750	5,124
Barite	98	44	919	844	3,029	6,066	769	648	1,592	1,801
Clay	360	230	5,453	4,139	21,203	31,877	5,367	3,758	10,086	10,753
Feldspar	32	58	340	598	1,782	6,543	264	527	584	1,935
Fluorspar	72	36	1,124	1,053	7,138	6,513	1,196	1,112	3,335	2,858
Fullers and filtering earths	9	24	824	991	2,538	8,221	541	853	2,019	4,812
Gypsum	48	63	2,191	2,078	15,032	26,498	2,478	2,628	6,806	5,740
Magnesite	11	5	448	351	2,540	3,197	652	466	2,170	2,044
Mica	69	32	448	226	803	1,721	288	195	607	516
Millstones and pulpstones	11	14	37	164	220	2,517	48	221	65	621
Minor metals [4]	37	30	1,371	1,244	6,051	13,469	1,690	1,507	3,916	6,650
Phosphate rock	69	33	4,373	3,201	49,039	104,146	3,901	3,304	10,300	13,044
Silica [5]	29	73	166	1,433	2,032	11,771	166	1,677	372	4,645
Sulphur and pyrites	22	10	2,301	2,199	22,629	33,932	3,067	3,483	20,345	37,126
Talc and soapstone	30	28	958	550	7,053	10,530	835	615	2,302	2,688
Miscellaneous minerals [6]	47	19	604	305	8,040	3,978	516	301	1,350	3,503
Sand, glass	------	32	------	1,030	----------	13,215	----------	1,314	----------	5,359
Sand, molding	------	128	------	1,037	----------	14,702	----------	1,291	----------	4,776
Sand and gravel	------	1,165	------	15,994	----------	516,745	----------	22,780	----------	102,312

[1] For 1919 includes, besides those specified, statistics for 15 enterprises in the chromite industry; the value of products of this industry was less than one-tenth of 1 per cent of the total for all industries. For 1929 does not include data for the glass-sand, molding-sand, and sand and gravel industries, no data having been collected for these industries in 1919.

[2] Distributed among other stones.

[3] Emery; garnet and industrial sapphires and diamonds; grinding pebbles and tube-mill lining; grindstones, oilstones, whetstones, scythestones, and rubbing stones; pumice and volcanic ash (pumicite).

[4] Bauxite, molybdenum, titanium, tungsten, vanadium.

[5] Diatomaceous earth, ganister, quartz, quartzite, silica rock, silica sand, siliceous mica schist, tripoli.

[6] Borates, cyanite, graphite, lithium minerals (amblygonite, lepidolite, and spodumene), mineral pigments, tantalum, vermiculite.

Source: Department of Commerce, Bureau of the Census; Fifteenth Census Reports, Mines and Quarries.

No. 758.—Mineral Industries—Summary for Specified Industries: 1935

NOTE.—The following data, based on information furnished by mine, quarry, and other operators, were collected as part of the general Census of Business for the year 1935. Figures cover continental United States, except those for gold, silver, lead, copper, and zinc, which include Alaska

[All money figures in thousands of dollars]

	Number of mines and quarries	Value of products [1]	EXPENDITURES				SALARIED EMPLOYEES [2]		WAGE EARNERS	
			Total	Supplies and materials [3]	Fuel	Purchased electric power	Number	Salaries	Number [4]	Wages
Metals:										
Bauxite [5]	11	1,545	358	213	105	39	77	131	559	330
Gold, silver, lead, copper, and zinc	12,906	[1] 222,408	57,891	43,994	4,615	9,282	5,019	10,453	60,410	64,608
Iron ore [5]	199	[1] 76,734	10,872	6,647	1,599	2,620	1,367	3,020	14,873	14,624
Mercury	43	990	330	227	82	21	100	87	451	385
Nonmetals:										
Abrasive stones	16	465	138	113	11	15	13	17	209	168
Asbestos	7	261	91	70	2	19	14	36	85	78
Asphalt, native, and bitumens	19	2,149	508	441	46	21	91	238	386	328
Barite	(6)	1,251	408	316	38	54	42	90	482	326
Basalt [5]	270	[1] 10,855	3,659	2,676	450	533	570	1,027	3,147	2,841
Clay	219	[1] 7,056	2,018	1,362	273	383	392	737	3,687	2,097
Coal:										
Anthracite, Pennsylvania	350	[1] 210,351	38,535	27,140	4,197	7,197	5,302	11,117	[7] 92,438	120,102
Bituminous	6,311	[1] 658,475	103,581	73,705	4,796	25,080	16,916	32,531	[7] 435,426	402,677
Feldspar, crude	51	[1 8] 772	157	124	23	9	51	84	545	413
Feldspar, ground	[9] 27	[1 8] 2,670	499	363	26	120	112	251	411	320
Fluorspar [5]	[10] 78	[1] 1,560	423	315	91	17	82	104	927	568
Fuller's earth	19	2,237	478	159	240	80	91	243	783	498
Granite [5]	404	[1] 13,491	3,024	2,085	277	662	567	1,206	5,940	4,972
Gypsum [5]	58	18,820	4,209	3,199	608	402	369	709	2,928	2,795
Limestone [5]	1,924	[1] 55,544	20,474	13,431	3,610	3,433	3,482	6,273	29,681	21,585
Marble [5]	33	2,169	820	569	50	202	239	388	2,088	1,413
Mica	(6)	279	96	72	6	18	27	32	250	134
Natural gas	[11] 53,790	[12] 429,374	9,950	7,495	2,288	167	2,780	3,901	7,388	7,280
Natural gasoline	[11] 715	70,940	12,571	9,470	2,620	481	[13] 1,052	[13] 2,105	7,997	10,567
Petroleum	[11] 340,990	961,440	103,040	82,051	14,684	6,305	7,938	14,736	93,450	126,703
Phosphate rock	(6)	[1] 11,423	2,981	1,520	740	721	274	650	2,638	1,807
Potash	4	4,240	1,587	793	745	49	231	604	1,271	1,796
Pumice	22	246	30	18	10	1	12	14	77	65
Salt	63	[1] 23,906	6,614	3,787	2,224	603	694	1,746	4,824	5,070
Sand and gravel	1,798	[1] 53,701	11,949	8,207	1,838	1,903	2,086	3,821	8,566	8,340
Sandstone [5]	289	[1] 4,365	1,524	1,192	121	211	224	376	2,278	1,595
Silica	(6)	1,865	366	179	35	152	46	115	205	217
Slate [5]	117	[1] 3,526	929	603	91	235	190	301	1,898	1,517
Talc and ground soapstone	20	1,804	342	233	16	93	67	157	534	387
Tripoli	9	374	132	104	20	8	16	32	116	93
Other industries [14]	413	19,583	4,942	3,659	620	654	541	1,346	3,819	4,094

[1] The figures noted include the value of work or services.

[2] Includes salaried officers, technical and supervisory employees, and all others on salaries, except employees at central administrative offices not connected with mine or plant.

[3] Includes cost of lumber or timber, iron and steel materials, explosives and oil used directly or sold to employees, water for boilers, machinery supplies, and all other supplies and materials necessary to maintain and operate the mine or plant.

[4] Determined by averaging the total number reported on pay rolls the 15th of each month.

[5] For the industries noted, data are included for beneficiating plants, finishing plants, or mills operated in connection with the mine or plant; in such cases, the value of their product is included and not the value of the product of the mine or quarry.

[6] Not available.

[7] Average *including shut-down periods.*

[8] The value of most of the crude feldspar is duplicated in the value of the ground product.

[9] Number of grinding mills; some of these are operated in connection with the feldspar mines.

[10] In addition, fluorspar was produced at an undetermined number of prospects and reclaimed from mill ponds, waste dumps, and old workings of abandoned mines. Data for these operations are included in the other figures given.

[11] Data for natural gas and petroleum cover number of wells; for natural gasoline, number of plants.

[12] Value at *points of consumption;* the value at *wells* amounted to $110,402,000.

[13] Not including 625 salaried employees at central offices with salaries amounting to $1,752,000.

[14] Boron, bromine and iodine, diatomite, emery, garnet, greensand marl, magnesite, magnesium salts, manganese, molybdenum, natural sodium compounds, miscellaneous stone, and vermiculite.

Source: Dept. of Commerce, Bur. of the Census, in cooperation with Dept. of the Interior, Bur. of Mines; *mimeographed reports of Census of Business, 1935.*

267706°—41——50

No. 759.—Mines and Quarries, Producing—Establishments Classified by Number of Wage Earners, by Principal Industries: 1929

Industry and wage earners per enterprise	Number of enterprises	Number of mines and quarries	Wage earners: Average for year	Wage earners: Percent
All industries [1]	10,099	11,566	806,418	100.0
Not reported	31	34		
1 to 5	2,742	2,799	8,194	1.0
6 to 20	3,004	3,217	34,079	4.2
21 to 50	1,611	1,795	53,183	6.6
51 to 100	1,055	1,201	76,362	9.5
101 to 250	988	1,267	158,623	19.7
251 to 500	416	607	145,883	18.1
501 to 1,000	169	274	110,031	13.8
1,001 to 2,500	60	188	87,279	10.8
2,501 and over	23	184	131,884	16.3
Anthracite	198	303	142,801	100.0
1 to 5	31	31	85	.1
6 to 20	20	21	221	.2
21 to 50	21	21	710	.5
51 to 100	17	18	1,113	.8
101 to 250	32	34	5,052	3.5
251 to 500	19	19	6,983	4.9
501 to 1,000	34	36	23,291	16.3
1,001 to 2,500	11	24	17,255	12.1
2,501 and over	13	99	88,091	61.6
Bituminous coal	4,976	5,620	458,732	100.0
1 to 5	1,384	1,384	3,979	.9
6 to 20	1,109	1,123	12,316	2.7
21 to 50	676	720	23,169	5.1
51 to 100	619	692	45,624	9.9
101 to 250	708	830	114,505	25.0
251 to 500	334	472	116,890	25.4
501 to 1,000	105	196	67,093	14.6
1,001 to 2,500	34	142	47,404	10.3
2,501 and over	7	61	27,752	6.1
Copper	143	180	44,502	100.0
Not reported	2	2	104	.2
1 to 5	33	33		
Copper—Continued.				
6 to 20	40	41	496	1.1
21 to 50	14	17	398	.9
51 to 100	12	13	877	2.0
101 to 250	11	13	1,859	4.2
251 to 500	10	15	3,393	7.6
501 to 1,000	7	9	5,096	11.5
1,001 to 2,500	11	13	32,279	72.5
2,501 and over	3	24		
Limestone	1,165	1,254	32,300	100.0
1 to 5	283	286	897	2.8
6 to 20	438	465	5,400	16.7
21 to 50	288	312	9,313	28.8
51 to 100	107	119	7,436	23.0
101 to 250	41	58	6,398	19.8
251 to 500	6	6	2,856	8.9
501 to 1,000	2	8		
Iron ore	180	208	28,518	100.0
1 to 5	7	7	20	.1
6 to 20	13	13	153	.5
21 to 50	29	32	949	3.3
51 to 100	45	46	3,452	12.1
101 to 250	69	76	9,663	33.9
251 to 500	16	20	5,262	18.5
501 to 1,000	10	11	9,017	31.6
1,001 to 2,500	1	3		
Sand and gravel	957	1,165	15,994	100.0
1 to 5	263	292	976	6.1
6 to 20	485	561	5,216	32.6
21 to 50	160	214	4,964	31.0
51 to 100	31	49	2,175	13.6
101 to 250	17	48	2,663	16.7
251 to 500	1	1		

[1] Exclusive of 36 enterprises operating 36 mines which employed no wage earners.

No. 760.—Mines and Quarries, Producing—Hours of Labor, by Industries: 1929

Note.—This table does not include data for enterprises having products valued at less than $20,000. To avoid disclosing data for individual establishments, the figures for certain groups are combined and printed in *italics*. An (x) shows where an omission results

Industry	Wage earners (average for the year)—total	Wage earners in mines where the prevailing hours of labor per week were—: Under 36	36 and over but under 40	40	Over 40 but under 48	48	Over 48 but under 63	63 and over
All industries	792,395	51,023	5,764	29,293	26,506	528,394	144,091	7,324
Coal, anthracite	142,801	912		30	3,186	138,226	*447*	(x)
Coal, bituminous	447,125	49,602	5,587	26,842	14,589	320,718	29,427	360
Copper	44,234	(x)			(x)	24,416	*19,818*	
Limestone	31,578	*118*	(x)	450	307	4,652	25,052	999
Iron ore	28,516			*424*	974	15,103	*12,015*	(x)
Sand and gravel	15,994	*70*	(x)	273	339	1,273	11,850	2,189
Lead	13,831	(x)				*6,634*	6,734	463
Zinc	11,861		(x)		(x)	5,897	*5,862*	102
Granite	9,806	44	97	595	4,239	2,326	2,505	
Gold, lode	5,079	(x)				*1,971*	*3,108*	(x)
Gold, placer	534	(x)				*39*	495	
Clay	4,139	*78*	(x)	*98*	281	744	2,021	917
Slate	4,027	[1] 91		(x)	*926*	52	*2,959*	(x)
Marble	3,308	(x)	(x)		*217*	94	*2,997*	(x)
Basalt	3,016			*127*	(x)	406	2,392	91
Silver	2,451	(x)				*90*	*2,361*	(x)
Sandstone	2,058	(x)		*137*	344	399	*1,178*	(x)
Stone, miscellaneous	1,569		(x)		*74*	381	892	222
Other industries	20,468	123	1	169	933	5,001	13,660	581

[1] Number of hours not reported.

Source of tables 759 and 760: Dept. of Commerce, Bur. of Census; 15th Census Reports, Mines and Quarries.

No. 761.—Mineral Production, by States and for Alaska: 1932 to 1938

Note.—The sum of the State totals in the table below does not agree with the total for the United States given in tables 752 and 762 chiefly because of the following reasons: (1) Figures for certain of the products included in the United States total are not available by States of origin; (2) the use of iron ore values in State totals and pig iron values in United States total; (3) the use of mine figures for gold, silver, copper, lead, and zinc in the State totals and mint and smelter figures in the United States total; and (4) the inclusion of estimates in the United States total for a few products for which no canvass has been conducted for many years and for which no estimate by States is made

[Values in thousands of dollars]

DIVISION AND STATE	1932	1933	1934	1935	1936	1937	1938 (prel.)
Continental U. S.	2,286,505	2,322,161	3,034,572	3,262,771	3,965,810	4,672,594	3,906,840
New England	21,383	16,698	17,281	17,228	22,637	24,757	21,772
Maine	3,174	2,594	2,352	2,560	3,423	4,129	3,549
New Hampshire	1,352	1,457	1,149	894	1,182	1,220	1,147
Vermont	6,401	5,793	4,853	5,097	6,225	7,043	6,440
Massachusetts	8,039	4,917	6,165	5,650	7,559	7,813	6,666
Rhode Island	506	387	485	571	929	863	912
Connecticut	1,911	1,551	2,276	2,656	3,317	3,690	3,060
Middle Atlantic	497,983	437,367	626,568	607,499	695,526	708,951	570,399
New York	50,176	42,940	54,626	58,409	71,648	77,666	73,217
New Jersey	23,073	22,580	25,010	28,515	24,421	31,468	24,409
Pennsylvania	424,734	421,847	546,933	520,576	599,457	599,817	472,773
East North Central	236,420	261,371	317,719	354,097	406,806	453,757	374,877
Ohio	37,097	91,146	117,505	126,134	122,684	131,025	104,813
Indiana	34,603	34,011	39,417	42,513	52,282	54,887	47,802
Illinois	71,693	74,837	89,214	96,484	117,916	133,438	130,155
Michigan	34,714	54,223	61,831	77,149	100,646	119,168	81,381
Wisconsin	7,414	7,154	9,752	11,818	13,278	15,240	10,637
West North Central	133,564	185,857	206,240	239,712	315,936	417,055	275,721
Minnesota	12,273	42,472	48,328	57,313	94,569	152,107	51,425
Iowa	18,523	15,155	19,326	21,710	28,359	26,941	24,794
Missouri	29,245	30,588	32,955	35,800	41,351	52,446	39,561
North Dakota	2,386	2,961	2,550	2,544	2,902	2,873	2,653
South Dakota	11,118	14,659	19,173	22,210	23,222	23,473	23,583
Nebraska	1,548	2,047	2,791	3,229	3,844	4,838	4,029
Kansas	58,471	57,975	81,118	96,906	121,690	154,376	129,675
South Atlantic	200,938	219,898	306,790	316,939	359,064	405,744	351,451
Delaware	300	135	272	230	444	397	321
Maryland	7,234	7,015	10,128	10,030	11,158	10,635	9,408
District of Columbia	1,819	423	407	479	548	523	569
Virginia	10,927	18,846	28,309	30,923	37,295	46,019	42,370
West Virginia	156,643	172,727	241,474	245,402	271,502	306,501	254,995
North Carolina	2,466	3,365	5,342	6,775	9,956	11,160	14,959
South Carolina	951	1,014	1,323	1,843	3,433	4,022	4,364
Georgia	7,490	7,529	7,080	9,804	11,757	12,584	11,598
Florida	7,108	8,844	11,548	11,447	12,973	13,812	12,867
East South Central	95,527	108,379	144,915	159,094	193,156	220,658	190,589
Kentucky	59,076	65,536	89,042	98,486	113,435	127,424	106,655
Tennessee	14,562	16,785	23,526	25,743	31,122	34,894	32,429
Alabama	19,170	23,291	29,827	31,772	44,753	53,519	46,296
Mississippi	2,719	2,766	2,521	3,093	3,846	4,822	5,210
West South Central	651,900	605,728	848,022	904,923	1,118,490	1,388,432	1,214,709
Arkansas	15,540	12,710	16,082	17,609	21,207	25,578	29,395
Louisiana	61,097	54,386	85,211	107,545	153,358	182,119	172,307
Oklahoma	185,121	172,561	237,209	251,701	305,192	367,444	272,860
Texas	390,141	365,571	509,521	528,069	638,643	813,291	740,147
Mountain	146,301	150,936	218,624	283,815	386,626	543,091	388,668
Montana	19,023	21,602	31,430	52,097	65,569	82,087	48,603
Idaho	9,478	12,429	16,708	21,364	29,966	40,633	31,739
Wyoming	27,343	22,025	27,640	30,670	34,498	41,088	37,364
Colorado	25,800	27,259	39,473	44,413	56,215	67,339	60,369
New Mexico	20,264	23,355	30,079	33,502	45,942	72,856	63,509
Arizona	15,204	12,571	26,063	38,848	60,533	94,564	60,756
Utah	22,620	24,180	32,527	41,933	61,209	105,652	59,236
Nevada	6,568	7,455	14,703	20,988	32,693	38,872	27,031
Pacific	302,489	305,927	348,412	379,463	467,568	510,149	518,652
Washington	12,817	9,388	12,945	13,688	22,921	26,658	21,167
Oregon	2,989	3,505	4,211	5,596	7,081	6,610	7,536
California	286,683	293,035	331,256	360,179	437,566	476,881	489,949
Alaska	11,526	12,681	19,579	18,812	23,738	27,928	27,664

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 762.—Mineral Products of the United States—Quantities and Values: 1920 to 1939

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 1939 are preliminary. Total values of metallic and nonmetallic products include figures which the Bureau of Mines is not at liberty to publish and estimated figures for certain products for which data are not available. In some cases, neither quantity nor value can be shown and those products are not listed here but data for them are included in totals. On the other hand, values for certain products, such as coke, are excluded from the totals to eliminate duplication, since the values of the products derived therefrom, or of raw materials used, are accounted for under other items. Short tons are 2,000 pounds; long tons, 2,240 pounds

PRODUCT	QUANTITY						VALUE IN THOUSANDS OF DOLLARS					
	1920	1925	1930	1935	1938	1939	1920	1925	1930	1935	1938	1939
METALLIC												
Aluminum—1,000 pounds	138,042	140,116	229,037	119,295	286,882	327,090	41,375	36,430	50,961	22,070	56,659	64,600
Antimonial lead [1]—short tons	12,535	19,667	13,711	[1] 16,384	[1] 24,123	[1] 21,995	1,963	3,786	1,393	(1)	(1)	(1)
Antimony, metal—do	[2] 2,785	[2] 2,624	[2] 1,685	[3] 2,134	(3)	(3)	[2] 473	[2] 918	[2] 258	(3)	(3)	(3)
Antimony, ore and concentrates—do		123		3,616	2,730	3,174		[4] 2,819		(5)	62	37
Bauxite—long tons	521,308	316,540	330,612	233,912	311,354	375,301	3,247	1,988	1,928	1,557	1,813	2,166
Cadmium—pounds	129,283	502,824	2,777,762	3,477,091	3,753,323	4,141,242	151	277	1,778	(5)	2,815	2,236
Chromite—long tons	2,502	108	80	515	812	3,614	45	2	2	6	11	47
Copper,[6] sales value—1,000 pounds	1,209,061	1,674,870	1,394,389	762,587	1,124,657	1,425,349	222,467	237,832	181,271	63,295	110,216	148,236
Ferro-alloys—long tons	612,808	616,222	650,240	592,176	464,112	841,162	77,519	53,048	51,900	48,892	42,460	76,157
Gold [7]—1,000 troy ounces	2,476	2,412	2,286	3,609	5,090	5,611	51,187	49,860	47,248	126,325	178,143	196,391
Iron, ore—1,000 long tons	69,281	63,925	55,201	33,426	26,431	54,821	[4] 285,006	[4] 160,797	[4] 145,619	[4] 83,035	[4] 74,322	[4] 158,511
Iron, pig—do	35,710	36,815	29,905	21,178	18,202	32,091	1,140,904	739,316	512,165	358,145	356,875	626,825
Lead (refined),[8] sales value—short tons	476,849	654,921	573,740	310,505	331,964	420,967	76,296	113,956	57,374	24,840	30,541	39,571
Magnesium (new ingot)—pounds	(8)	(8)	559,631	4,241,218	4,819,617	10,650,121	(8)	(8)	269	(5)	(5)	(5)
Manganese ore (35% or more Mn.)—long tons	94,420	98,324	67,035	26,428	25,321	29,307	2,396	1,858	1,437	557	682	795
Manganiferous ore (5 to 35% Mn.)—do	767,664	1,448,054	785,390	524,184	308,860	709,247	2,438	3,752	2,402	1,323	858	2,148
Mercury, metal—flasks (76 pounds net)	13,216	9,053	21,553	17,518	17,991	18,633	1,067	763	2,479	1,261	1,358	1,937
Mercury ore—short tons	109,000	65,000	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Molybdenum—1,000 pounds	35	1,154	3,759	10,892	25,727	32,415	17	961	2,068	7,261	17,977	22,157
Nickel—short tons	365	272	308	160	416	394	293	170	214	130	(5)	(5)
Ores (crude), old tailings, etc.:												
Copper—1,000 short tons	36,765	53,262	47,382	19,103	37,871							
Lead-copper, zinc-copper, zinc-lead-copper—do	27	229	246	1	34							
Dry and siliceous (gold and silver)—do	8,590	8,995	7,767	14,016	18,038	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Lead—do	7,200	8,560	8,080	3,494	4,103							
Zinc-lead—do	12,383	17,741	10,645	7,471	8,944							
Zinc—do	2,651	3,411	5,980	7,944	7,873							
Platinum, etc., value, N. Y. C.—troy ounces	41,544	49,643	43,502	42,060	36,213	41,441	4,698	5,662	2,049	1,414	1,263	1,566
Selenium—pounds	92,141	194,007	278,309	232,831	166,494	345,726	176	331	455	(5)	(5)	(5)
Silver [9]—1,000 troy ounces	55,362	66,155	50,748	45,924	62,665	65,120	60,802	45,912	19,538	33,008	40,511	44,202
Tantalum ore—pounds	4,000		5,100	7,681	36,189	340	1		3	5	35	(10)
Tellurium—do	(5)	(5)	4,717	22,610	26,944	63,431	(8)	(8)	8	(5)	(5)	(5)

Tin (metallic equivalent) short tons	22	14	17	59	106	38	22	16	10	50	90	38
Titanium ore (ilmenite) do	268	5,566	(5)	(5)	(5)	(5)	(5)	89	(5)	(6)	(5)	(5)
Titanium ore (rutile) do	277	46	(5)	(5)	(5)	(5)	(5)	11	(5)	(5)	(5)	(5)
Tungsten ore (60 percent concentrates) do	216	1,191	702	2,395	3,044	4,287	102	756	509	1,921	3,161	4,402
Uranium and vanadium ores do	35,076	13,070	(5)	(5)	251,687	279,354	2,401	331	(5)	(5)	899	1,054
Zinc, [8] sales value do	450,045	555,631	489,361	412,184	436,007	491,058	72,907	84,456	46,979	36,272	41,857	51,070
Total metallic products (approximate)							1,763,675	1,382,155	985,790	733,130	892,400	1,291,000
NONMETALLIC												
Arsenious oxide short tons	11,502	12,317	17,425	12,670	13,160	22,439	2,021	1,199	1,008	497	393	496
Asbestos do	1,648	1,258	4,242	8,920	10,440	15,459	678	52	289	293	247	513
Asphalt, native do	898,993	584,850	702,777	349,938	477,741	459,848	13,199	4,148	4,463	2,201	2,875	3,067
Asphalt, oil (including road oil) do		1,206,700	2,167,068	2,715,104	4,249,226	4,860,540		[4] 15,306	[4] 20,851	[4] 24,112	[4] 34,573	[4] 36,039
Barite (crude) do	228,113	228,063	234,932	225,111	309,663	383,609	2,142	1,703	1,538	1,251	2,005	2,344
Borates do	120,320	113,700	177,360	272,967	219,513	249,976	2,173	3,086	5,352	5,382	4,570	5,882
Bromine 1,000 pounds	1,161	1,566	8,463	16,429	33,324	37,882	745	488	2,110	3,483	6,610	7,611
Calcium-magnesium chloride (75 percent $NaCl_2$) short tons	27,849	67,870	116,160	83,546	96,470	103,441	539	1,387	2,208	1,039	1,219	1,308
Cement 1,000 bbls. (376 lbs. net)	97,079	159,047	160,846	76,244	108,192	125,057	195,590	281,076	231,249	114,810	156,703	184,255
Clay products							373,670	[11] 423,447	[11] 275,134	[11] 155,536	[11] 88,799	([11])
Clay, raw (sold by producers) 1,000 short tons	3,116	4,030	3,963	2,923	2,731	3,761	[4] 11,614	[4] 12,737	[4] 12,521	[4] 10,824	11,776	15,355
Coal, bituminous [12] do	568,667	520,053	467,526	372,373	[13] 348,545	[13] 393,065	2,129,933	1,060,402	795,483	658,063	[13] 678,653	[13] 732,534
Coal, Pennsylvania anthracite do	89,598	61,817	69,385	52,159	46,099	51,487	434,252	327,665	354,574	210,131	180,600	187,175
Coke do	51,345	51,267	47,972	35,141	32,496	44,327	[4] 494,246	[4] 262,559	[4] 209,137	[4] 176,853	[4] 167,182	[4] 212,884
Emery short tons	2,327	769	555	176		765	22	6	6	2		7
Feldspar (crude) long tons	135,551	185,706	171,788	189,550	196,119	253,466	851	1,316	1,067	1,005	895	1,113
Fluorspar short tons	186,778	113,669	95,849	123,741	80,403	182,771	4,719	2,052	1,747	1,861	1,600	3,705
Fuller's earth do	128,487	206,574	335,644	227,745	170,852	167,070	2,506	2,924	4,327	2,230	1,708	1,692
Garnet for abrasive purposes do	5,476	8,429	5,003	3,060	2,669	4,056	434	713	314	257	192	279
Gems and precious stones							265	([14])	([14])	([14])	([14])	([14])
Graphite, amorphous short tons	4,694	3,536	1,941	([5])	([5])	([5])	50	40	21	([5])	([5])	([5])
Graphite, crystalline 1,000 pounds	9,632	2,257	([5])	([5])	([5])	([5])	576	57	([5])	([5])	([5])	([5])
Grindstones and pulpstones short tons	53,484	37,340	18,700	14,587	6,206	10,434	1,707	1,706	771	505	240	426
Gypsum [15] 1,000 short tons	3,129	5,678	3,471	1,904	2,684	3,227	24,533	47,577	27,051	18,860	4,272	4,431
Helium [16] cu. ft	([5])	9,418,363	9,805,600	10,218,480	6,099,960	6,281,800	([5])	451	140	114	64	75
Iodine pounds	([5])	([5])	([5])	245,696	([5])	([5])	([5])	([5])	([5])	249	([5])	([5])
Kyanite short tons	([5])	([5])	([5])	([5])	([5])	2,950	([5])	([5])	([5])	([5])	([5])	69

For footnotes, see p. 767.

No. 762.—Mineral Products of the United States—Quantities and Values: 1920 to 1939—Continued

PRODUCT	QUANTITY						VALUE IN THOUSANDS OF DOLLARS					
	1920	1925	1930	1935	1938	1939	1920	1925	1930	1935	1938	1939
NONMETALLIC—continued												
Lime, 1,000 short tons	3,570	4,581	3,388	2,987	3,347	4,254	37,544	42,609	25,616	21,749	24,138	30,049
Lithium minerals, short tons	11,696	3,140	1,797	1,154	892	1,990	173	59	56	27	47	97
Magnesite (crude), do	303,767	120,660	129,320	177,154	97,000	198,980	2,748	1,433	1,033	1,192	725	1,465
Magnesium oxide, hydrated (brucite), 1,000 pounds					141,466	171,508					1,589	1,908
Magnesium salts, natural, do	(5)	85,158	73,255	109,602			(5)	1,253	1,071	1,287		
Marl, calcareous, short tons	97,487	68,670	34,012	88,062	23,572	22,114	326	188	113	97	40	38
Marl, greensand, do	(5)	12,728	12,761	7,589	6,576	6,466		180	221	220	152	151
Mica, scrap, do	5,723	9,695	6,732	[17] 18,852	[17] 20,257	[17] 24,672	167	174	109	[17] 244	[17] 256	[17] 312
Mica, sheet, 1,000 pounds	1,683	1,794	1,465	937	940	814	547	322	177	161	139	139
Millstones							63	22	18	10	4	11
Mineral paints:												
Cadmium compounds [18], pounds	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	324	(5)	710	1,056
Zinc and lead pigments [19], short tons	143,244	199,190	147,948	137,972	123,146	162,774	24,565	28,311	18,420	13,828	13,970	19,030
Mineral waters, 1,000 gallons sold	36,218	(14)	(14)	(14)	(14)	(14)	4,861	(14)	(14)	(14)	(14)	(14)
Natural gas, 1,000,000 cu. ft.	798,210	1,188,571	1,943,421	1,916,595	2,295,562	2,435,000	196,194	265,271	416,090	429,374	500,698	539,625
Natural gasoline, 1,000 gallons	384,744	1,127,470	2,210,494	1,651,986	2,156,574	2,095,632	71,788	120,383	128,160	70,940	87,266	94,300
Oilstones, etc, short tons	1,144	970	651	439	511	620	232	272	137	106	130	116
Olivine, do	(5)	(5)	(5)	(5)	(5)	3,000	(5)	(5)	(5)	(5)	(5)	15
Peat, do	73,204	72,436	(14)	37,060	45,933	55,483	922	453	(14)	199	286	362
Petroleum, 1,000 barrels (42 gals.)	442,929	763,743	898,011	996,596	1,214,355	1,264,256	1,360,745	1,284,960	1,070,200	961,440	1,373,060	1,265,000
Phosphate rock, 1,000 long tons	4,104	3,482	3,926	3,042	3,739	3,757	25,080	11,546	13,997	10,952	12,952	12,294
Potassium salts (K_2O), short tons	41,444	25,802	56,610	224,721	286,437	366,287	7,463	1,204	2,986	4,993	9,748	12,028
Pumice, do	41,338	40,380	56,843	60,000	65,742	89,159	114	179	336	247	313	425
Pyrites, long tons	310,777	170,081	[20] 347,512	[20] 514,192	[20] 555,629	[20] 516,408	1,597	650	[20] 1,029	[20] 1,553	[20] 1,686	[20] 1,550
Salt, 1,000 short tons	6,840	7,398	8,054	7,927	8,026	9,278	29,894	26,162	25,009	21,838	23,243	24,510
Sand and gravel:												
Sand, glass, do	2,166	2,335	1,849	2,126	2,109	2,468	4,749	3,836	3,211	3,735	3,602	4,281
Sand (molding, building, etc.) and gravel, 1,000 short tons	79,875	169,667	195,203	121,798	179,211	192,350	60,913	103,706	111,966	58,242	82,321	90,943
Sand-lime brick, thousands	169,761	[11] 315,595	[11] 191,193	[11] 61,757	[11] 94,978	(11)	2,490	[11] 3,781	[11] 1,951	[11] 555	[11] 939	(11)
Silica (quartz), short tons	68,190	25,444	13,156	17,178	18,611	34,959	320	205	121	112	88	153
Slate, do	468,700	724,600	463,610	330,200	492,690	531,380	8,726	12,575	7,912	3,650	5,655	6,682
Sodium salts (carbonates and sulphates), natural, short tons	40,243	55,850	122,930	131,936	180,220	262,222	1,183	1,007	1,792	1,449	1,832	2,557

Stone—1,000 short tons	78, 527	115, 851	126, 996	[21] 83, 159	[21] 124, 839	[21] 147, 447	133, 542	174, 217	178, 949	[21] 87, 824	[21] 139, 255	[21] 158, 462
Sulfur—1,000 long tons	1, 518	1, 858	1, 990	1, 635	1, 629	2, 234	30, 000	29, 000	35, 800	29, 300	27, 300	35, 500
Sulfuric acid, byproduct (60° Baumé)[22]												
1,000 short tons	[23] 1, 230	1, 007	1, 188	604	687	(5)	13, 617	7, 513	9, 544	4, 548	5, 559	(5)
Talc, pyrophyllite, and soapstone [24]—short tons	210, 635	182, 256	179, 385	172, 716	212, 775	253, 976	3, 035	2, 012	2, 108	1, 848	2, 303	2, 701
Tripoli—do	40, 233	29, 388	32, 439	27, 375	22, 188	33, 474	570	435	508	383	329	466
Vermiculite—do		(5)	(5)	7, 068	20, 700	21, 174		(5)	(5)	88	192	175
Total nonmetallic products (approximate)							**5, 217, 665**	**4, 295, 475**	**3, 779, 010**	**2, 916, 870**	**3, 470, 500**	**3, 583, 000**
Metallic products							1, 763, 675	1, 382, 155	985, 790	733, 130	892, 400	1, 291, 000
Nonmetallic products (exclusive of fuels)							1, 024, 755	1, 236, 795	1, 014, 510	586, 870	650, 200	764, 400
Mineral fuels							4, 192, 910	3, 058, 680	2, 764, 500	2, 330, 000	2, 820, 300	2, 818, 600
Grand total (approximate)							**6, 981, 340**	**5, 677, 630**	**4, 764, 800**	**3, 650, 000**	**4, 362, 900**	**4, 874, 000**

[1] From both domestic and foreign ores. Beginning 1935, data represent antimonial lead produced at primary refineries from both primary and secondary sources, and are not comparable with data for prior years; estimate of value of primary antimony and lead contents of antimonial lead from domestic sources included in total value of metallic products.
[2] For 1920, largely content of antimonial lead; 1925 and 1930, content of antimonial lead. Value of the antimony in antimonial lead excluded from total value.
[3] Largely from foreign ore beginning 1935. Value not included in total value. Bureau of Mines not at liberty to publish value figures or quantity figures for 1938 and 1939.
[4] Value not included in total value; see headnote.
[5] Value where not shown included in total value of metallic or nonmetallic products. Bureau of Mines not at liberty to publish figures or not available.
[6] Product from domestic ores only.
[7] According to Bureau of the Mint; valued at $20.67+ per ounce through 1930, at $35 per ounce in 1935 and subsequent years.
[8] Figures not available. Value of products derived therefrom, or of raw materials used, is included elsewhere.
[9] According to Bureau of the Mint.
[10] Less than $500.
[11] Figures obtained through cooperation with Bureau of the Census. Data for 1939 not yet available; estimate included in total value of nonmetallic products. Beginning 1937, value of clay products excludes values of pottery and refractories.
[12] Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.
[13] Quantities as reported by Department of the Interior, National Bituminous Coal Division; values are estimated from various sources and include selling expenses.
[14] No canvass. Estimate of value included in total value of nonmetallic products.
[15] Gypsum mined: After 1936, value of crude at mine; for earlier years, value as sold (crude and calcined).
[16] Figures cover fiscal year ended June 30 of year stated.
[17] Includes mica recovered by grinding mica schist; excluded in prior years shown.
[18] Largely for use in manufacture of pigments.
[19] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[20] Figures include pyrites concentrates from Tennessee and partly desulphyrized tailings from zinc operations in Wisconsin; similar output in earlier years was not included.
[21] Includes soapstone used as dimension stone.
[22] From copper and zinc smelters and zinc roasters and from roasting of high-sulfide gold and silver concentrates.
[23] Includes 23,728 tons of stronger acid, not converted to 60° Baumé.
[24] For 1925 and 1930, figures exclude soapstone. For 1935 and thereafter, figures cover talc, pyrophyllite, and ground soapstone. Dimension soapstone is included in stone. Value of soapstone in 1925 and 1930 is included in value of nonmetallic products; Bureau of Mines not at liberty to publish figures.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 763.—Iron Ore—Production, Shipments, Exports, and Imports, 1881 to 1939, and Production, by Region, State, and Kind, 1936 to 1939

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 percent or more of manganese has been excluded

Yearly average or year	Production	Shipments [1]	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	1,841
1916–1920	69,737	70,224	1,143	967
1921–1925	52,429	52,617	677	1,691
1926–1930	64,600	64,952	1,021	2,709
1931–1935	22,732	23,538	389	1,166
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
1930	58,409	55,201	752	2,775
1931	31,132	28,516	436	1,466
1932	9,847	5,331	83	582
1933	17,553	24,624	155	861
1934	24,588	25,793	609	1,428
1935	30,540	33,426	661	1,492
1936	48,789	51,466	645	2,232
1937	72,094	72,348	1,264	2,442
1938	28,447	26,431	592	2,122
1939	51,721	54,821	1,057	2,413

Production	1936	1937	1938	1939
Region				
Lake Superior [2]	41,781	61,657	21,808	41,680
Birmingham	4,008	5,953	4,156	5,735
All other	3,000	4,483	2,983	4,307
State				
Alabama	4,180	6,308	4,303	5,961
Michigan	9,178	12,085	6,004	9,159
Minnesota	31,634	48,417	14,449	31,548
New Jersey	160	520	186	399
New York	778	2,625	2,121	2,714
Pennsylvania	1,132			
Utah	154	191	168	262
Wisconsin	970	1,156	855	973
Wyoming	507	708	276	588
All other	96	84	85	118
Kind				
Hematite	[3] [4] 46,108	[3] 68,073	[3] [5] 25,607	[3] [5] 47,757
Brown ore	[4] 475	[6] 666	363	586
Magnetite	[3] 2,206	[3] [6] 3,354	[3] [5] 2,476	[3] [5] 3,378
Carbonate	1	1	[7]	[7]

[1] Excludes ore sold for paint.
[2] Includes only those mines in Wisconsin which are in true Lake Superior district.
[3] Some hematite included with magnetite. [4] Some brown ore included with hematite.
[5] Some magnetic included with hematite. [6] Some brown ore included with magnetite. [7] Less than 500.

No. 764.—Pig Iron and Ferro-Alloys—Production, by States, Disposition, Kind, and Fuel and Materials Used: 1900 to 1939

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1910	1915	1920	1925	1930	1935	1937	1938	1939
Total pig iron and ferro-alloys	13,789	27,304	29,918	36,928	36,701	31,752	21,373	37,127	19,161	31,855
By States:										
New England	14	17	8	10		2,211	1,611	3,103	1,494	2,335
New York, New Jersey	463	2,203	2,105	2,601	2,188					
Pennsylvania	6,306	11,272	12,791	13,983	12,523	10,305	5,700	11,809	5,001	9,035
Illinois	1,363	2,676	2,447	3,281	3,604	3,345	2,003	3,426	1,657	2,651
Indiana, Michigan	164	1,250	1,987	2,940	4,120	3,034	2,898	4,722	2,347	4,274
Maryland and Virginia	781	771	503	953	830	1,088				
Alabama	1,184	1,939	2,049	2,393	2,836	2,395				
Ohio	2,471	5,752	6,913	8,533	8,803	6,805	9,160	14,008	8,662	13,561
Wisconsin, Minnesota	185	307	373	711	408	805				
Iowa, Colorado, Utah	798	1,117	741	1,520	505					
All other					762	865				
By disposition:										
For sale	(1)	(1)	8,583	10,724	8,991	7,083	4,022	7,185	3,390	4,449
For maker's use	(1)	(1)	21,333	26,202	27,710	24,670	17,351	29,943	15,770	27,405
By kinds:										
Basic	1,072	9,085	13,093	16,738	19,667	18,393	13,618	24,781	12,888	22,712
Bessemer and low-phosphorus	7,979	11,240	10,523	12,062	9,419	7,315	4,239	6,315	3,054	5,331
Foundry (incl. ferrosilicon)	3,376	5,260	4,844	5,958	5,410	3,960	1,908	3,239	1,853	2,030
Malleable	173	843	830	1,311	1,554	1,572	1,206	2,115	1,002	1,238
Forge	793	564	316	318	241	51	5	22	1	3
Ferromanganese, spiegeleisen, and all other	395	306	310	539	409	461	396	655	363	540
By fuels:										
Coke [2]	11,728	26,258	29,535	36,300	36,504	31,656	21,298	37,046	19,122	31,811
Anthracite	1,677	649	85	303						
Charcoal	384	397	296	323	196	97	75	82	39	44
Materials used:										
Iron ore, briquettes, etc	24,131	51,739	55,137	66,450	65,450	[3] 53,662	[3] 35,183	[3] 62,087	[3] 32,100	[3] 53,188
Cinder, scale, scrap, etc	1,600	2,800	4,483	4,986	5,017	[3] 6,296	[3] 4,257	[3] 6,449	[3] 3,321	[3] 5,765
Coke (1,000 tons of 2,000 pounds) [4]	(1)	(1)	33,329	42,046	39,296	[3] 31,168	[3] 20,272	[3] 36,540	[3] 18,424	[3] 30,632
Limestone	7,422	14,528	14,790	17,825	15,154	[3] 11,099	[3] 7,523	[3] 13,043	[3] 6,435	[3] 11,033
Total number furnaces Dec. 31	406	473	445	452	395	300	258	241	236	232
Furnaces in blast Dec. 31	232	206	310	216	238	97	124	95	116	195

[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 1900 to 1925.

Sources: Table 763, Department of the Interior, Bureau of Mines; Minerals Yearbook. Table 764, American Iron and Steel Institute, annual report.

No. 765.—Pig Iron and Ferro-Alloys and Steel Ingots and Castings—Production, Exports, and Imports: 1871 to 1939

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. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For individual years 1871 to 1913 and data for earlier years, see Statistical Abstract 1931, tables 750 and 751

YEARLY AVERAGE OR YEAR	PIG IRON AND FERRO-ALLOYS			Steel ingots and castings, production	YEAR	PIG IRON AND FERRO-ALLOYS			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] 380,799	1923	40,361,146	37,559	474,723	44,943,606
1876–1880	2,562,763	3,407	276,600	803,479	1924	31,405,790	45,818	276,966	37,931,939
1881–1885	4,301,096	5,311	325,290	1,652,268	1925	36,700,566	39,907	516,948	45,393,524
1886–1890	7,079,312	12,407	229,970	3,292,763	1926	39,372,729	28,606	514,288	48,293,763
1891–1895	8,133,014	22,983	54,778	4,675,736	1927	36,565,645	55,899	175,529	44,936,185
1896–1900	11,491,937	224,268	34,308	8,430,938	1928	38,155,714	96,743	194,636	51,544,180
1901–1905	18,239,665	45,465	314,765	15,367,931	1929	42,613,983	53,749	223,680	56,433,473
1906–1910	24,024,722	78,618	275,036	22,166,783	1930	31,752,169	25,344	182,446	40,699,483
1911–1915	27,518,219	202,011	132,751	28,378,470	1931	18,426,354	15,429	103,540	25,945,501
1915	29,916,213	224,509	89,836	32,151,036	1932	8,781,453	6,938	145,664	13,681,162
1916	39,434,797	607,236	135,349	42,773,680	1933	13,345,602	11,272	196,284	23,232,347
1917	38,621,216	656,220	76,786	45,060,607	1934	16,138,573	13,474	157,387	[2] 26,055,289
1918	39,054,644	269,575	34,711	44,462,432	1935	21,372,699	17,714	189,197	[2] 34,092,594
1919	31,015,364	321,261	101,665	34,671,232	1936	31,029,187	23,606	254,006	[2] 47,767,856
1920	36,925,987	216,828	185,044	42,132,934	1937	37,127,277	818,000	161,272	[2] 50,568,701
1921	16,688,126	28,405	44,842	19,783,797	1938	19,160,861	460,361	71,436	[2] 28,349,991
1922	27,219,904	33,332	498,059	35,602,926	1939 [3]	31,854,551	213,566	115,622	[2] 47,141,709

[1] 1875 only. [2] Includes only steel castings produced in foundries producing steel ingots. [3] Preliminary.

No. 766.—Rolled and Miscellaneous Steel Products—Production, by Kind: 1910 to 1939

NOTE.—In thousands of long tons (2,240 pounds). Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are mostly further elaborations of products above

	1910	1915	1920	1925	1930	1935	1938	1939
Hot-rolled products, total	21,621	24,393	32,348	33,387	29,513	23,965	20,986	34,825
Rails	3,636	2,204	2,604	2,785	1,873	712	623	1,172
Bessemer and electric	1,884	327	143	10	2	1	[1]	[1]
Open hearth	1,751	1,775	2,334	2,692	1,835	692	608	1,150
Rerolled		102	127	84	36	19	15	22
Sheets and plates	4,955	6,078	9,338	9,808	9,087	8,691	7,166	12,389
Universal		955	1,250	1,196	1,041	439	342	616
Sheared		1,923	3,505	2,557	2,622	1,016	1,373	2,153
Black sheets [2]		1,837	2,886	4,007	3,512	5,176	4,745	8,909
Black plates for tinning		1,093	1,449	1,632	1,692	1,795	627	599
Other black-plate specialties		270	247	325	201	266	79	111
Wire rods	2,242	3,096	3,137	2,845	2,349	2,441	2,109	3,286
Structural shapes	[3] 2,267	2,437	3,307	3,604	3,512	1,750	1,860	2,999
Merchant bars	3,786	4,131	6,130	5,659	4,132	[4] 3,699	[4] 2,328	[4] 4,350
Skelp	1,828	2,299	3,220	3,230	2,682	1,352	1,253	2,080
Hoops	262	282	333	205	80	90	67	65
Bands and cotton ties	425	438	389	356	46	25	34	31
Splice and tie-plate bars		536	576	823	606	268	199	463
Rolled forging blooms, billets, etc.	460	651	447	345	304	340	266	536
Bars for reenforced concrete work	241	353	572	820	850	557	784	1,131
Strip and sheets for cold reduced black plate and tin plate							1,621	2,377
Strips and flats for cold rolling	1,519	1,888	2,294	2,908	1,942	2,648	1,030	1,631
Blanks or pierced billets					1,248	953	1,320	1,802
All other rolled products					821	[4] 439	[4] 327	[4] 511
Miscellaneous products:								
Tin plate	648	983	1,375	1,544	1,660	1,695	1,430	2,237
Terneplate and long terne sheets	75	73	71	114	103	191	187	273
Galvanized sheets		706	835	1,134	1,045	1,028	1,051	1,442
Galvanized formed products		50	64	80	65	60	53	67
Wire nails	567	651	734	690	427	396	430	602
Cut nails and cut spikes	45	35	38	33	21	18	18	22
Wrought pipe or tubes [5]		1,920	3,003	3,031	2,247	964	923	1,394
Boiler tubes [5]		97	119	63	31	16	10	15
Seamless pipes or tubes		140	202	568	1,194	877	1,140	1,549
Cast-iron pipe and fittings		1,085	792	1,719	1,282	615	736	999
Forgings made by rolling mills	320	524	540	388	476	[6] 315	[6] 253	[6] 399

[1] Less than 500 tons. [2] Rolled on sheet or jobbing mills. [3] Small structural forms not included. [4] Merchant bars include certain miscellaneous bars included in "All other rolled products" prior to 1935. [5] Excluding electric welding. [6] Including forged axles.

Sources: Table 765, production, American Iron and Steel Institute, annual report. Exports and imports, Dept. of Commerce, Bur. of Foreign and Domestic Commerce, annual report, Foreign Commerce and Navigation of the U. S. Table 766, American Iron and Steel Institute, annual report.

No. 767.—Iron and Steel, Finished Rolled—Production, Exports, and Imports: 1876 to 1939

NOTE.—In long tons (2,240 pounds). Imports are imports for consumption beginning with 1933; general imports in earlier years. Blank spaces indicate that figures are not available

YEARLY AVERAGE OR YEAR (CALENDAR YEAR)	Total production, finished rolled products	RAILS			PLATES AND SHEETS			Merchant bar production [1]
		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	[2] 5,278,214	1,710,278	7,275	49,775	[2] 684,914		8,013	
1891-1895	5,472,849	1,264,677	13,650	1,047	755,818	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	[3] 3,593,601
1906-1910	18,509,490	3,238,486	303,234	3,963	4,054,102	158,591	4,096	3,479,910
1911-1915	22,250,075	2,760,557	378,792	23,740	5,382,221	416,404	2,875	3,770,316
1916-1920	30,810,650	2,629,506	550,821	21,392	8,246,245	907,496	1,576	6,294,708
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095	4,810,645
1920	32,347,863	2,604,116	594,628	45,684	9,337,080	1,273,558	1,792	6,702,685
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976	1,792,982
1922	26,452,004	2,171,776	277,090	26,629	7,968,397	439,417	[4] 1,947	4,554,474
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	[4] 4,572	6,233,663
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	360,540	[4] 6,066	4,937,043
1925	33,386,960	2,785,257	151,690	36,872	9,807,659	386,912	[4] 4,480	6,478,902
1926	35,495,892	3,217,649	187,557	55,212	10,529,056	517,611	[4] 15,616	6,289,665
1927	32,879,031	2,806,486	177,593	15,455	9,627,734	468,511	[4] 19,760	5,686,260
1928	37,662,916	2,647,493	190,925	14,019	11,006,050	522,657	[4] 30,800	7,229,723
1929	41,069,416	2,722,138	146,060	6,236	12,436,312	540,896	[4] 28,461	7,423,496
1930	29,513,007	1,873,233	95,179	8,307	9,067,366	346,853	[4] 28,486	4,982,124
1931	19,175,894	1,157,751	33,108	5,007	6,039,581	192,830	[4] 16,907	3,083,996
1932	10,451,088	402,566	11,320	5,662	3,443,308	79,031	[4] 22,252	1,699,501
1933	16,735,086	416,296	41,481	6,403	6,216,650	108,841	[4] 9,503	2,655,049
1934	18,969,506	1,010,224	69,159	3,073	6,375,815	202,265	[4] 4,646	3,289,431
1935	23,964,552	711,537	51,672	5,658	8,691,136	226,552	[4] 11,733	4,256,417
1936	33,801,379	1,219,846	73,455	7,768	12,152,317	309,601	[4] 23,032	6,091,511
1937	36,766,389	1,445,739	148,182	8,298	14,036,840	790,356	[4] 9,013	6,031,261
1938	20,985,563	622,895	82,721	3,624	7,166,263	512,337	[4] 6,399	3,111,538
1939 (prel.)	34,824,604	1,172,006	59,092	7,784	12,389,487	651,220	[4] 1,434	5,480,670

YEARLY AVERAGE OR YEAR (CALENDAR YEAR)	Skelp production	WIRE RODS			STRUCTURAL SHAPES			All other finished rolled production [1]
		Production	Exports	Imports	Production	Exports	Imports	
1891-1895		633,248		34,804	[5] 429,872			2,475,209
1896-1900		909,819	[6] 16,182	18,087	689,419	[6] 48,877		3,217,588
1901-1905	[3] 1,435,995	1,590,280	16,345	18,390	1,203,791	55,651	[7] 12,886	1,263,396
1906-1910	1,668,674	2,056,732	13,403	15,400	1,936,951	121,086	11,107	2,074,634
1911-1915	2,242,270	2,619,287	75,225	11,784	[8] 2,446,391	265,891	6,352	3,029,034
1916-1920	2,788,397	2,978,731	144,707	3,739	2,982,143	336,379	2,806	4,890,919
1919	2,555,778	2,538,476	118,010	342	2,614,036	360,787	1,154	3,005,952
1920	3,220,289	3,136,907	116,775	5,488	3,306,748	493,633	1,685	4,039,438
1921	1,930,575	1,564,330	18,953	917	1,272,624	297,022	777	1,774,103
1922	2,872,215	2,654,741	40,424	1,735	2,718,768	167,585	7,823	3,511,633
1923	3,734,336	3,075,892	40,868	3,948	3,405,197	199,021	10,674	4,425,755
1924	3,170,543	2,522,545	18,762	6,851	3,283,708	167,910	43,245	3,651,381
1925	3,229,768	2,844,056	21,207	7,988	3,604,130	169,252	77,291	4,636,588
1926	3,764,550	2,722,032	19,646	10,075	3,911,663	233,059	121,100	5,061,277
1927	3,418,852	2,770,271	16,127	17,988	3,742,445	215,226	161,849	4,826,983
1928	3,368,973	3,080,816	38,623	19,298	4,096,143	296,885	163,762	6,233,718
1929	3,517,238	3,134,409	42,250	15,653	4,778,020	399,837	148,223	7,057,803
1930	2,682,046	2,348,600	39,779	8,843	3,512,473	243,840	120,333	5,047,165
1931	1,499,280	1,844,620	32,125	7,114	2,092,858	121,725	72,329	3,487,808
1932	607,599	1,186,181	14,818	7,934	937,228	32,561	36,547	2,174,705
1933	994,515	2,024,095	16,877	13,339	1,109,457	32,033	29,296	3,319,024
1934	1,120,217	1,723,765	23,732	10,657	1,425,040	53,574	25,023	4,025,014
1935	1,352,079	2,440,794	26,092	16,780	1,749,740	57,313	41,601	4,762,849
1936	2,156,602	2,907,880	34,872	18,911	2,897,631	87,628	61,584	6,285,592
1937	2,279,862	3,009,290	60,008	15,819	3,276,846	186,779	78,273	6,686,551
1938	1,253,161	2,108,598	22,283	5,280	1,859,540	127,520	39,624	4,863,568
1939 (prel.)	2,080,471	3,285,979	31,450	10,692	2,999,094	163,153	39,533	7,416,897

[1] Merchant bars include concrete reinforcing bars and, beginning 1934, certain miscellaneous bars previously included in "All other products."
[2] Average for years 1887-90.
[3] Average for years 1902-05.
[4] Includes skelp.
[5] Average for years 1892-95.
[6] Average for period July 1, 1897, to Dec. 31, 1900.
[7] Average for period July 1, 1903, to Dec. 31, 1905.
[8] Small structural forms not included in 1911.

Source: Production, American Iron and Steel Institute, annual report. Exports and imports, Dept. of Commerce, Bur. of Foreign and Domestic Commerce; annual report, Foreign Commerce and Navigation of the U. S. Also published currently in Monthly Summary of Foreign Commerce of the U. S.

No. 768.—Steel, Wire and Wire Products, Tin Plate and Terneplate, and Cast-Iron Pipe and Fittings—Production: 1933, 1935, and 1937

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 under "Wire," "Tin and terneplate," and "Cast-iron pipe and fittings" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities

INDUSTRY AND PRODUCT	QUANTITY IN THOUSANDS OF UNIT SPECIFIED				VALUE IN THOUSANDS OF DOLLARS		
	Unit	1933	1935	1937	1933	1935	1937
STEEL WORKS AND ROLLING MILLS							
All products, total value					1,143,889	1,931,318	3,330,491
Unrolled steel, total	Ton [1]	23,163	34,405	51,599			
Ingots—							
For sale and interplant transfer	do	133	237	643	3,932	9,473	21,132
Produced and consumed in works	do	22,751	33,654	49,790			
Direct steel castings—							
For sale and interplant transfer [2]	do	222	405	1,038	32,296	67,442	184,958
Produced and consumed in works	do	56	109	128			
Semifinished rolled products, for sale and interplant transfer, total.	do	5,470	7,420	10,314	137,957	209,831	336,507
Blooms, billets, and slabs, except for forging.	do	3,025	4,327	7,317	79,499	125,454	241,590
Rolled blooms and billets for forging	do	94	201	334	2,008	7,704	15,304
Sheet and tin-plate bars	do	2,369	2,874	2,642	56,026	75,799	78,590
Muck and scrap bar	do	12	18	22	423	874	1,023
Finished hot-rolled products and forgings, total.	do	16,161	[3] 24,318	[3] 37,320			
Produced and consumed in works	do	4,994	[3] 8,149	[3] 12,163			
For sale and interplant transfer	do	11,166	[3] 16,169	[3] 25,157	495,544	[3] 832,216	[3] 1,429,886
Rails	do	393	692	1,408	15,157	25,541	53,716
Rail joints, fastenings, tie plates, etc.	do	198	270	460	9,316	12,885	23,751
Structural shapes (not fabricated)	do	992	1,618	3,115	35,216	67,308	148,031
Concrete reinforcing bars	do	357	523	814	12,309	22,244	36,781
Merchant bars, mill shafting, etc.—							
Steel	do	2,275	3,322	4,389	107,840	191,101	295,037
Iron	do	45	51	71	3,348	3,623	6,577
Bolt and nut rods, spike and chain rods, etc.	do	34	40	37	1,361	1,798	1,738
Wire rods	do	736	920	1,040	26,179	35,980	49,229
Plates No. 12 and thicker	do	1,404	1,745	3,344	52,460	78,781	171,494
Sheets No. 13 and thinner	do	[4] 2,688	[4] 3,886	[4] 5,601	[4] 137,967	[4] 218,523	[4] 338,073
Skelp	do	468	702	1,144	15,206	25,216	45,095
Hot-rolled strips for cold rolling	do	455	934	1,359	18,041	45,405	73,382
Other strips, etc., and cotton ties	do	742	850	901	29,917	46,220	67,555
Axles	do	55	43	127	2,788	3,042	11,424
Armor plate and ordnance	do	8	21	20	2,080	8,846	8,461
Car and locomotive wheels	do	69	83	172	6,486	7,909	15,526
All other rolled and forged products	do	249	[3] 459	[3] 1,067	19,872	[3] 37,793	[3] 83,418
Scrap iron and steel, for sale and interplant transfer.	do	1,031	1,537	2,942	10,255	17,315	53,779
Cinder and scale	do	709	1,261	2,674	1,269	2,961	4,916
All other (including value added to rolled products by further manufacture).	do				462,636	792,079	1,299,313
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value					302,829	476,070	764,241
Iron and steel wire:							
Plain wire, total [5]	Ton [6]	1,962	2,349	2,913			
For sale and interplant transfer	do	667	842	1,038	48,686	60,263	85,954
Produced and consumed in works	do	1,295	1,507	1,875			
Galvanized wire: For sale and interplant transfer.	do	168	195	229	9,936	14,335	18,802
Other coated wire: For sale and interplant transfer.	do	34	37	46	4,184	4,646	7,035
Cold-rolled from drawn wire: For sale and interplant transfer.	do	15	19	24	2,882	3,339	3,808
Copper wire:							
For sale and interplant transfer	Lb	99,135	143,581	258,102	10,305	19,506	43,071
Produced and consumed in works	do	169,714	272,268	473,901			
Drawn on contract or custom basis from rods or bars furnished by others.	do	9,673	12,863	20,949			

For footnotes, see next page.

No. 768.—Steel, Wire and Wire Products, Tin Plate and Terneplate, and Cast-Iron Pipe and Fittings—Production: 1933, 1935, and 1937—Con.

Industry and product	Quantity in thousands of units specified				Value in thousands of dollars		
	Unit	1933	1935	1937	1933	1935	1937
WIRE AND WIRE PRODUCTS (ALL METALS)—continued							
Brass and bronze wire:							
For sale and interplant transfer	Lb	55,015	63,644	77,925	7,527	10,874	16,421
Produced and consumed in works	do	7,492	11,171	18,218			
Electrical-resistance wire, for sale	do	(7)	(7)	10,585	(7)	(7)	7,393
Other metal wire:							
For sale and interplant transfer	do	14,902	19,395	45,529	[8] 6,760	[8] 9,789	[8] 14,487
Produced and consumed in works	do	47	801	1,084			
Fabricated wire products for sale:							
Iron and steel—							
Nails, brads, and spikes [9]	Keg [10]	9,101	9,580	11,081	24,312	30,621	35,664
Tacks [9]	Lb	(11)	4,563	2,903	374	388	229
Staples	do	(11)	50,211	44,158	1,757	1,653	1,577
Barbed wire	Ton [6]	182	196	188	8,608	10,772	11,178
Rope or cable, except insulated	do	49	77	106	13,615	26,593	36,403
Strand, galvanized	do	20	24	33	2,098	3,125	4,403
Poultry netting	do	29	34	50	3,725	3,809	6,092
Woven wire fence, except poultry netting	do	203	233	284	13,907	17,634	23,330
Fly screening	Lb	42,986	46,872	58,299	5,862	6,335	8,463
Other wire cloth	do	26,392	39,494	47,006	3,136	4,928	6,670
Concrete reinforcement wire	Ton [6]	(11)	(11)	(11)	3,665	4,935	7,685
Other woven wire	do	28	26	23	4,837	4,798	5,504
Motor-vehicle skid chains		(11)	(11)	(11)	3,336	7,258	7,198
Bale ties	Lb	124,090	151,769	160,770	3,680	5,542	5,900
Wire springs					24,104	45,135	73,371
Welding wire, not incl. electrodes	Lb	23,328	28,385	69,135	1,581	2,148	4,132
Other fabricated iron and steel wire products					19,524	38,220	46,328
Nonferrous wire products—							
Fly screening—							
Copper and bronze	Lb	9,697	10,979	13,567	2,324	2,998	4,309
Other metals	do	91	162	304	64	97	239
Fourdrinier and cylinder wire cloth	do	1,985	2,670	3,183	3,189	4,113	4,961
Other wire cloth—							
Copper and bronze	do	(11)	(11)	(11)	1,227	1,111	1,588
Other metals	do	(11)	(11)	(11)		750	1,336
Copper strand, except insulated	do	24,771	42,541	131,783	2,480	5,986	22,006
Other fabricated nonferrous wire products, except insulated wire					2,350	2,084	3,273
Fabricated wire products not distributed above					2,255		
Insulated wire and cable					65,637	122,226	245,342
TIN PLATE AND TERNEPLATE							
All products, total value					151,601	195,845	285,775
Tin plate	Lb	3,764,702	3,789,159	5,433,509	142,434	175,730	254,289
Terneplate	do	198,254	426,843	616,343	6,336	16,593	25,349
All other products					2,830	3,522	6,137
CAST-IRON PIPE AND FITTINGS							
All industries, total value					22,633	40,392	66,212
Quantity reported	Ton [6]	520	743	1,098	20,065	35,315	58,363
Quantity not reported					2,569	5,077	7,849

[1] Of 2,240 pounds.

[2] In addition, steel castings were produced for sale and for interplant transfer by establishments classified in other industries as follows: For 1933, 14,495 tons valued at $2,508,632; 1935, 58,289 tons valued at $8,254,025; 1937, 49,187 tons valued at $9,566,662.

[3] Includes the production of piercing billets, rounds, and blanks which were not called for separately prior to 1935. The amounts reported for 1935 are as follows: Produced and consumed in same works, 888,594 tons; made for sale and interplant transfer, 73,639 tons, valued at $3,920,021. For 1937, produced and consumed in same works, 1,684,518 tons; made for sale and interplant transfer, 534,292 tons valued at $24,807,581. For years prior to 1935 data for the tonnage produced and consumed in plant and an indeterminable amount of that made for sale and interplant transfer were reported under "Blooms, billets, and slabs."

[4] Includes 10,377 tons, valued at $6,011,666 for 1933, 13,615 tons, valued at $9,147,892 for 1935, and 32,853 tons, valued at $21,618,180 for 1937, of stainless-steel plates and sheets not reported separately.

[5] All iron and steel wire, including that subsequently galvanized, otherwise coated, and cold rolled.

[6] Of 2,000 pounds.

[7] Not called for separately.

[8] Includes $313,000 in 1933, $673,000 in 1935, and $214,000 in 1937 for which no quantity was reported.

[9] Not including value of nails and tacks made from nail and tack plate.

[10] Of 100 pounds.

[11] No comparable data; quantity not reported in all cases.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 769.—Steel Ingots and Castings—Production, by Grade: 1890 to 1939

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
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	23,679,102	22,308,725	1,370,377	113,782	69,412	1,527
1920	42,132,934	8,883,087	32,671,895	31,375,723	1,296,172	72,265	505,687	
1925	45,303,524	6,723,962	38,034,488	37,087,342	947,146	19,562	615,512	
1930	40,699,483	5,035,469	35,049,172	34,268,316	780,856	2,253	612,589	
1935 [1]	34,092,594	2,835,031	30,715,429	30,361,237	354,192	642	541,492	
1937 [1]	50,568,701	3,449,927	46,272,303	45,772,510	499,793	934	845,537	
1938 [1]	28,349,991	1,880,661	25,964,300	25,691,963	272,337	6	505,024	
1939 [1]	47,141,709	2,999,032	43,223,036	42,704,197	518,839	831	918,810	

[1] Figures include only that part of steel for castings which was made in foundries producing steel ingots.

No. 770.—Blast Furnaces and Steel Mills—Summary: 1889 to 1937

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by table 768

YEAR	Number of establishments	Wage earners (average number)	WAGES	VALUE OF PRODUCTS [1]	VALUE ADDED BY MANUFACTURE [2]	PRIMARY HORSEPOWER
			Thousands of dollars			
1889	719	171,181	89,273	478,688	151,415	784,358
1890	668	222,490	120,820	803,968	281,569	1,597,816
1909	654	278,505	187,807	1,377,152	399,013	3,274,285
1919	605	416,748	711,407	3,623,369	1,321,507	5,399,574
1923	658	424,913	696,761	4,161,938	1,289,910	5,999,941
1925	595	399,914	660,297	3,711,354	1,281,976	6,143,927
1927	602	389,270	645,534	3,488,744	1,219,534	6,781,058
1929	591	419,534	730,974	4,137,214	1,622,837	7,532,530
1931	526	278,206	357,645	1,714,214	623,199	[3]
1933	466	288,945	270,367	1,357,574	481,529	[3]
1935	468	374,808	458,584	2,305,970	893,681	[3]
1937	497	502,417	817,778	4,003,017	1,624,391	[3]
Blast furnaces:						
1935 [4]	72	15,178	18,016	374,651	73,993	[3]
1937 [4]	87	23,075	38,001	672,525	127,644	[3]
Steel works and rolling mills:						
1935	396	359,630	439,669	1,931,318	819,688	[3]
1937	410	479,342	779,776	3,330,491	1,496,747	[3]

[1] Includes much duplication.
[2] Value of products less cost of materials, fuel, and purchased electric energy. Beginning 1935, deductions include, in addition, cost of contract work.
[3] No data.
[4] Includes data for 3 establishments in 1935 and 5 in 1937 engaged in production of sintered ore and flue dust and operated independently of blast furnaces.

No. 771.—Iron and Steel—Aggregate Exports: 1890 to 1939

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. The small item "steam and hot water heating boilers and radiators," formerly classified as heavy iron and steel, is excluded beginning 1922

[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		1916	6,101	353,971	1928	2,865	179,881
1895	89		1917	6,439	567,041	1929	3,038	200,203
1900	1,154	42,518	1918	5,375	558,279	1930	1,983	139,039
1905	1,010	33,813	1919	4,400	410,164	1931	969	63,226
1908	964	43,397	1920	4,935	458,376	1932	595	28,857
1909	1,244	50,777	1921	2,213	214,830	1933	1,341	45,534
1910	1,538	63,486	1922	1,995	135,334	1934	2,813	88,691
1911	2,188	86,599	1923	2,010	167,247	1935	3,064	88,414
1912	2,948	112,535	1924	1,806	150,494	1936	3,157	112,692
1913	2,746	108,875	1925	1,763	144,262	1937	7,579	302,360
1914	1,550	63,409	1926	2,167	174,145	1938	5,148	185,432
1915	3,533	140,993	1927	2,183	160,609	1939	6,084	236,945

Sources: Table 769, American Iron and Steel Institute, annual report. Table 770, Dept. of Commerce, Bur. of Census, reports of Biennial Census of Manufactures. Table 771, Dept. of Commerce, Bur. Foreign and Domestic Commerce, annual report, Foreign Commerce and Navigation of the U. S. Also published currently in Monthly Summary of Foreign Commerce of the U. S.

No. 772.—Iron and Steel—Exports, by Kind: 1936 to 1939

Note.—This and tables 771 and 773 exclude the highly elaborated manufactures of iron and steel

Article	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1936	1937	1938	1939 [1]	1936	1937	1938	1939 [1]
Total	3,157,407	7,576,677	5,147,926	6,083,576	112,692	302,360	185,432	238,945
Pig iron, not including ferro-alloys	5,316	782,436	432,851	177,024	119	19,403	7,135	3,436
Ferromanganese and spiegeleisen	466	1,725	247	2,923	27	73	19	248
Other ferro-alloys	2,482	2,780	1,197	4,042	807	2,202	1,172	1,025
Scrap	1,936,132	4,101,549	2,998,591	3,584,439	24,684	79,387	45,830	55,911
Ingots, blooms, sheet bars, skelp, etc	91,602	415,200	227,328	297,440	2,886	16,898	8,370	11,484
Iron and steel bars	56,665	159,258	150,831	208,567	3,468	11,353	10,341	15,254
Alloy steel bars								
Wire rods	34,872	60,008	22,283	31,450	1,328	3,263	1,112	1,330
Galvanized sheets	63,205	81,019	76,037	110,908	4,689	7,470	7,020	9,595
Plates, iron and steel	95,854	386,819	221,108	254,078	4,461	21,507	11,344	12,015
Black steel sheets	140,158	286,510	205,278	269,026	10,003	24,014	16,442	19,699
Black iron sheets	6,964	10,788	7,566	10,448	455	935	615	812
Hoop, band, and strip steel	61,910	111,284	62,555	88,952	3,997	7,979	5,184	6,553
Tin plate, terneplate, etc	238,880	360,683	161,576	311,016	23,753	39,940	19,078	33,033
Structural shapes, plain material	62,077	135,706	83,691	115,465	2,584	6,984	4,507	5,549
Structural materials, fabricated	28,034	73,543	45,313	52,734	2,203	6,168	4,405	4,809
Tanks, complete and knocked down	21,574	44,578	37,730	28,735	1,733	3,551	3,284	2,647
Metal lath	936	1,751	863	1,656	161	287	160	303
Steel rails	73,455	148,182	82,721	59,092	2,085	5,167	3,112	2,375
Rail fastenings, switches, frogs, etc	12,903	21,321	12,830	16,287	946	1,834	1,104	1,460
Boiler tubes	7,387	17,458	8,124	15,170	1,338	2,785	1,541	1,960
Casing and oil-line pipe	28,410	83,481	63,703	87,905	2,760	8,302	6,917	8,717
Seamless black pipe, except casing and oil-line	3,924	12,482	7,459	10,219	586	1,507	1,287	1,359
Black and galvanized welded pipe	25,235	46,431	31,188	57,355	2,181	4,539	3,170	5,525
Riveted pipe and fittings	1,122	980	945	7,574	150	137	139	2,116
Cast-iron pipe and fittings	19,952	31,176	31,892	46,147	1,614	2,344	2,475	2,946
Malleable-iron screwed pipe fittings	3,657	5,385	3,102	4,608	1,029	1,597	1,080	1,441
Barbed-wire and woven-wire fencing	36,642	36,995	36,157	56,693	2,177	2,933	2,707	4,105
Plain and galvanized wire	47,355	56,099	49,872	60,494	2,906	4,312	3,777	4,515
Woven-wire screen cloth	1,132	1,588	1,327	1,924	392	534	433	704
Wire rope and wire strand	3,256	7,824	4,372	6,058	832	1,841	1,181	1,515
Electric welding rods	5,361	9,082	1,182	1,603	1,231	2,061	270	378
Wire, other, and manufactures thereof			6,262	10,296			1,505	2,114
Wire nails	7,799	17,408	20,720	25,796	473	1,313	1,370	1,697
Nails other than wire, tacks, staples	3,291	4,483	5,236	6,458	477	660	656	819
Horseshoes	120	179	103	224	16	21	13	30
Bolts, nuts, rivets, and washers [2]	6,764	11,166	8,057	8,856	1,610	2,750	2,083	2,350
Car wheels and axles	8,300	27,777	20,938	27,879	576	2,343	1,899	2,516
Iron castings	7,073	9,579	5,152	4,679	744	1,089	826	851
Steel castings	3,281	3,896	2,452	2,693	678	1,049	688	675
Forgings	3,859	10,118	9,092	16,603	532	1,279	1,124	2,062

[1] Preliminary. [2] Except track.

No. 773.—Iron and Steel—Exports, by Destination: 1937, 1938, 1939

Note.—All figures in long tons (2,240 pounds). Products covered are those listed in table 772

Country	1937	1938	1939 [1]	Country	1937	1938	1939 [1]
Belgium	60,338	24,744	14,829	Argentina	48,777	28,120	66,690
France	30,959	24,271	8,978	Brazil	109,079	76,451	149,553
Germany	110,012	241,518	16,658	Chile	45,705	50,583	56,910
Italy	402,498	443,802	445,480	Colombia	58,890	57,508	77,003
Netherlands	194,532	291,847	170,427	Peru	27,969	22,193	35,910
Norway	20,730	17,359	46,933	Uruguay	24,754	5,586	9,941
Poland and Danzig	278,329	152,990	147,887	Venezuela	72,717	72,293	93,232
Rumania	1,254	6,819	6,211	India and Ceylon	35,910	20,956	23,617
U. S. S. R., Europe and Asia	94,154	68,552	28,301	British Malaya	13,158	14,508	23,123
Sweden	130,765	31,419	211,709	China	157,965	35,507	92,292
United Kingdom	1,224,144	522,931	671,958	Netherlands Indies	40,718	18,512	53,599
Canada	642,165	368,542	565,788	Hong Kong	43,632	44,300	16,539
Central America	48,893	44,979	74,371	Japan	2,784,420	1,806,797	2,229,888
Mexico	213,411	66,620	124,352	Kwantung	106,358	95,100	65,633
British West Indies and Bermudas	14,758	9,100	10,436	Palestine and Syria	3,866	3,387	9,263
Cuba	61,451	51,755	77,566	Philippine Islands	96,922	106,004	147,688
Dominican Republic	5,074	3,710	5,462	Turkey	35,880	18,778	6,304
Netherlands West Indies	26,391	25,190	17,369	Australia	30,517	30,599	10,502
				British South Africa	64,643	43,027	55,970
				Mozambique	35,526	16,508	17,562
				All other	166,463	124,962	197,033

[1] Preliminary.

Source of tables 772 and 773: Dept. of Commerce, Bur. of Foreign and Domestic Commerce; annual report, Foreign Commerce and Navigation of the U. S. Figures, except by destination, are published currently in Monthly Summary of Foreign Commerce of the U. S.

No. 774.—Iron and Steel—Average Annual Prices, by Class or Kind: 1891 to 1939

[Prices of pig iron, rails, and billets, and wire rods in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron: Basic, The Valleys	Pig iron: Southern, No. 2, Cincinnati	Pig iron: Local, No. 2, Chicago [1]	Open hearth rails at mills in Pennsylvania [2]	Open hearth steel billets, Pittsburgh [3]	Wire rods, Pittsburgh	Soft-steel bars, Pittsburgh	Iron bars (best refined), Pittsburgh [4]	Tank plates, Pittsburgh	Structural shapes, Pittsburgh [5]	Composite finished steel [6]
1891–1895	-------	11.74	12.80	27.27	20.89	-------	-------	1.46	-------	-------	-------
1896–1900	-------	12.56	14.30	24.96	21.08	-------	[7] 1.40	1.50	1.61	[7] 1.63	-------
1901–1905	-------	15.80	17.50	27.87	25.76	-------	1.47	1.77	1.60	1.63	-------
1906–1910	16.87	17.66	19.42	28.00	26.60	-------	1.47	1.75	1.57	1.58	1.77
1911	13.07	13.67	14.83	28.00	21.46	-------	1.26	1.41	1.31	1.32	1.54
1912	13.92	14.93	15.32	28.00	22.38	-------	1.29	1.44	1.33	1.32	1.58
1913	14.71	14.90	15.85	28.00	25.79	-------	1.55	1.69	1.50	1.50	1.66
1914	12.87	13.41	13.60	28.00	20.09	-------	1.15	1.32	1.14	1.15	1.43
1915	13.74	13.57	14.01	28.00	22.44	-------	1.31	1.48	1.31	1.30	1.53
1916	19.76	18.67	20.26	32.00	43.95	-------	2.67	2.13	3.53	2.55	2.67
1917	38.90	38.95	41.31	38.00	70.96	-------	3.64	3.83	5.88	3.67	4.19
1918	32.50	36.56	33.25	55.00	47.33	-------	2.89	4.31	3.24	2.99	3.54
1919	27.07	32.17	29.11	47.20	40.54	53.98	2.50	4.10	2.72	2.52	3.12
1920	42.25	44.52	42.52	52.42	56.14	69.55	3.22	4.75	3.28	2.95	3.74
1921	21.73	26.68	22.93	44.06	34.46	45.94	1.87	4.47	1.93	1.94	2.44
1922	24.20	23.93	24.85	40.75	33.90	40.49	1.72	3.35	1.72	1.71	2.12
1923	25.81	27.87	28.16	43.00	41.75	50.39	2.36	3.50	2.43	2.43	2.70
1924	20.24	23.91	22.10	43.00	37.99	48.31	2.20	4.00	2.12	2.19	2.51
1925	19.59	23.74	22.09	43.00	35.62	46.05	2.02	4.52	1.91	1.99	2.33
1926	18.55	24.71	21.64	43.00	35.00	45.00	2.00	4.62	1.88	1.95	2.32
1927	17.70	21.16	19.68	43.00	33.27	42.44	1.84	4.68	1.82	1.83	2.20
1928	16.66	19.70	18.54	43.00	32.67	42.55	1.87	4.64	1.87	1.87	2.17
1929	18.19	18.51	20.00	43.00	34.66	41.50	1.92	4.13	1.93	1.92	2.21
1930	17.98	16.16	18.47	43.00	31.84	36.91	1.71	4.11	1.69	1.69	2.05
1931	15.85	14.52	17.35	43.00	29.36	35.03	1.63	3.69	1.62	1.62	1.96
1932	13.98	13.84	15.87	42.44	26.51	37.00	1.57	3.35	1.57	1.57	1.90
1933	15.24	16.31	16.47	39.26	26.00	35.15	1.64	3.35	1.61	1.68	1.88
1934	17.69	18.80	18.19	36.37	27.10	37.37	1.81	3.50	1.78	1.78	2.03
1935	18.17	19.34	18.68	36.37	27.25	38.21	1.81	3.50	1.80	1.80	2.06
1936	19.10	19.99	19.60	36.59	29.68	39.12	1.93	3.70	1.85	1.85	2.08
1937	22.99	23.20	23.49	41.86	36.45	46.27	2.40	4.50	2.21	2.21	2.46
1938	21.70	22.18	22.20	41.77	35.45	44.93	2.35	4.50	2.17	2.17	2.39
1939	21.09	21.64	21.59	40.00	34.00	43.00	2.19	4.40	2.10	2.10	2.26

[1] At furnace after 1907.
[2] Bessemer rails prior to Oct. 22, 1921.
[3] Bessemer billets prior to 1927.
[4] Muck iron in 1891.
[5] Beams prior to Mar. 19, 1929.
[6] Prior to 1920, No. 24 gage hot-rolled annealed sheets; thereafter, No. 10. Includes hot-rolled strip beginning 1920.
[7] Average for 1898–1900.

No. 775.—Aluminum and Bauxite—Production, Exports, and Imports: 1913 to 1939

	1913	1920	1925	1930	1935	1938	1939
BAUXITE							
Quantities, long tons (2,240 pounds):							
Production	210,241	521,308	316,540	330,612	233,912	[1] 311,354	[2] 375,301
Georgia, Alabama, and Tennessee [3]	40,370	40,029	20,220	15,339	14,121	[1] 18,074	14,045
Arkansas	169,871	481,279	296,320	315,273	219,791	[1] 293,280	[2] 361,256
Imports for consumption	21,456	42,895	353,696	409,678	199,959	455,693	520,179
Exports, including concentrates	(4)	22,257	78,533	104,504	82,491	57,726	51,635
Value of production [5] (1,000 dollars)	998	3,247	1,988	1,928	1,557	1,813	2,166
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	36,430	50,981	22,070	56,659	64,000
Secondary metal	2,199	9,489	24,816	17,177	19,018	15,326	(4)
Imports for consumption, total	4,784	13,077	10,107	5,286	4,279	3,379	4,766
Crude and semicrude	4,388	12,184	9,806	4,690	3,694	2,491	3,385
Manufactures	396	893	301	596	585	888	1,381
Exports, total	966	5,631	6,057	7,122	2,067	5,484	23,631
Crude and semicrude	-------	3,068	3,366	3,916	694	3,912	20,872
Manufactures	-------	2,563	2,691	3,206	1,373	1,572	2,759
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	41,997	25,461	21,291	17,740	28,673
Exports (crude and semicrude)	(4)	9,408	12,642	17,330	3,970	12,618	74,170

[1] Includes small quantity of activated bauxite.
[2] Includes sintered.
[3] No production in Tennessee since 1928.
[4] Unavailable.
[5] F. o. b. mines.

Sources: Table 774, Iron Age, published Jan. 4, 1940, and American Iron and Steel Institute, annual report; table 775, Department of the Interior, Bureau of Mines, Minerals Yearbook.

No. 776.—Copper—Production, Exports, Imports, and Consumption: 1910 to 1939

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	1920	1925	1930	1935	1937	1938	1939
UNREFINED COPPER								
Ore produced (million short tons) [1]	28.5	36.8	53.1	47.4	19.1	[2] 61.5	[2] 37.8	([3])
Average copper yield, percent	1.88	1.63	1.54	1.43	1.89	1.29	1.34	([3])
Smelter output from domestic ore	1,080.2	1,209.1	1,674.9	1,394.4	762.6	1,669.3	1,124.7	1,425.3
Mine production	1,088.2	1,224.6	1,678.1	1,410.1	761.0	1,684.0	1,115.5	1,456.6
Imports, unrefined:								
Ore (copper content)	64.2	52.0	107.6	101.3	15.3	32.3	15.0	[4] 12.3
Concentrates (copper content)	21.0	46.8	54.0	56.9	60.4	103.7	124.5	[4] 124.3
Matte and regulus (copper content)		17.6	1.7	4.7	5.5	10.4	5.0	5.7
Unrefined, in bars, pigs, etc.	[5] 259.2	244.7	379.3	560.5	395.9	391.8	353.6	490.3
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,151.0	3,045.0	3,091.0	2,075.4	3,197.8	2,304.5	3,018.4
New copper (primary)	1,422.0	1,526.2	2,204.6	2,157.1	1,177.6	2,133.6	1,584.8	2,019.0
Domestic	1,071.9	1,182.4	1,682.9	1,391.2	676.6	1,644.5	1,105.1	1,409.7
Foreign	350.1	343.7	521.7	765.8	501.0	489.1	479.7	609.3
Electrolytic	1,128.3	1,351.7	2,050.6	1,993.6	[6] 1,103.7	[6] 2,035.1	[6] 1,512.6	[6] 1,934.1
Lake	221.5	153.5	138.0	143.0	[6] 73.6	[6] 84.0	[6] 72.0	[6] 84.9
Casting and best select	72.3	[7] 21.0	15.9	20.5	.3	14.5	.2	----
Secondary copper (from new and old scrap)	189.0	624.9	840.4	934.4	897.8	1,064.2	719.7	999.4
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,526.2	2,204.6	2,157.1	1,177.6	2,133.6	1,584.8	2,019.0
Refined copper imported	([5])	108.7	99.8	86.2	36.1	15.0	3.6	32.5
Refined copper exported	[8] 708.3	[8] 553.1	1,022.3	669.3	550.0	620.8	770.4	792.8
Stocks, Dec. 31 (refined)	122.8	659.0	124.0	615.0	350.0	358.0	362.0	191.0
Withdrawn on domestic account:								
New refined copper	732.4	1,053.8	1,401.0	1,265.0	882.7	1,389.8	814.0	1,429.7
New and old copper	921.0	1,679.0	2,241.0	2,199.0	1,780.0	2,454.0	1,534.0	([3])

[1] Tons of 2,000 pounds. Old tailings are included beginning with 1930.
[2] Exclusive of Alaska, figures for which the Bureau of Mines is not at liberty to publish.
[3] Not available.
[4] Ore from the Philippine Islands included under concentrates.
[5] Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.
[6] Some copper from Michigan was electrolytically refined and is included with electrolytic.
[7] Includes pig.
[8] Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.).

No. 777.—Copper—Smelter Production, by State of Origin of Ore: 1910 to 1939

[Quantities in thousands of pounds]

STATE OF ORIGIN	1910	1920	1925	1930	1935	1937	1938	1939
Total	1,080,160	1,209,061	1,674,870	1,394,389	762,587	1,669,322	1,124,657	1,425,349
Alaska	4,311	66,094	72,204	36,380	14,602	42,215	33,493	304
Arizona	297,251	552,989	722,653	570,807	278,519	580,493	420,351	469,713
California	45,760	11,822	46,944	26,262	1,630	10,615	1,681	8,491
Colorado	9,307	4,283	3,163	12,944	14,341	21,826	30,564	25,549
Idaho	6,878	1,922	3,144	2,714	2,125	4,804	5,611	4,632
Michigan	221,463	153,484	138,030	142,986	73,812	84,751	75,281	89,402
Missouri	----	533	12	2	85	606	626	1,020
Montana	283,079	177,744	270,605	198,796	157,760	280,662	156,250	203,512
Nevada	64,495	55,580	77,138	87,475	72,819	149,964	93,656	184,543
New Mexico	3,785	52,160	76,467	74,188	4,560	63,574	43,913	74,084
Oregon	22	2,529	126	230	372	870	89	90
Pennsylvania	741	618	562	3,061	([1])	([1])	([1])	([1])
Tennessee	16,692	16,728	19,780	([1])	([1])	([1])	([1])	([1])
Utah	125,185	110,358	242,731	205,770	120,973	404,169	229,877	326,117
Washington	65	2,126	1,185	1,405	81	124	12,494	16,756
Undistributed	1,127	92	117	[2] 31,280	[2] 20,909	[2] 24,558	[2] 20,771	[2] 21,131

[1] Included under "Undistributed." [2] See note 1.

Source of tables 776 and 777: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 778.—Copper—Smelter and Refinery Output: 1850 to 1939

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 776

[Quantities in millions of pounds; values in thousands of dollars]

PERIOD	SMELTER OUTPUT FROM DOMESTIC ORE		YEAR	SMELTER OUTPUT FROM DOMESTIC ORE		REFINERY OUTPUT (QUANTITY)			
						New copper			Secondary copper
	Quantity	Value		Quantity	Value	Total [1]	Domestic	Foreign [1]	
1850	1½	320	1916	1,928	474,288	2,259	1,928	331	700
1860	16	3,709	1917	1,886	514,911	2,428	1,886	542	767
1870	28	5,097	1918	1,909	471,408	2,432	1,883	549	705
			1919	1,286	239,274	1,805	1,433	372	574
1871–1875	34	8,895	1920	1,209	222,467	1,526	1,182	344	625
1876–1880	50	9,679							
1881–1885	118	17,236	1921	506	65,221	951	609	341	435
1886–1890	226	30,345	1922	950	128,289	1,256	905	351	672
1891–1895	339	37,266	1923	1,435	210,945	1,980	1,464	516	822
			1924	1,634	214,087	2,260	1,674	586	777
1896–1900	531	74,424	1925	1,675	237,832	2,205	1,683	522	840
1901–1905	732	103,859							
1906–1910	980	150,924	1926	1,740	243,547	2,322	1,731	591	960
1911–1915	1,221	185,592	1927	1,684	220,609	2,326	1,719	607	980
1916–1920	1,644	395,270	1928	1,826	262,930	2,488	1,792	696	1,073
1921–1925	1,240	171,275	1929	2,003	352,504	2,740	1,983	757	1,253
1926–1930	1,729	252,172	1930	1,394	181,271	2,157	1,391	766	934
1931–1935	658	52,066	1931	1,043	94,887	1,501	1,075	427	694
			1932	544	34,273	681	445	236	496
1909	1,093	142,084	1933	450	28,800	742	481	260	676
1910	1,080	137,180	1934	489	39,076	891	466	425	755
1911	1,097	137,154	1935	703	63,295	1,178	677	501	898
1912	1,243	205,139	1936	1,223	112,499	1,645	1,291	354	969
1913	1,224	189,795	1937	1,669	201,988	2,134	1,645	489	1,064
1914	1,150	152,968	1938	1,125	110,216	1,585	1,105	480	720
1915	1,388	242,902	1939	1,425	148,236	2,019	1,410	609	999

[1] Figures for 1919 and prior years include data for refined copper imported.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 779.—Copper—Exports and Imports: 1891 to 1939

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	1929	499,237	183,405	487,156	153,710
1896–1900 [1]	137,684	36,745	24,634	5,866	1930	376,647	105,342	408,577	104,616
1901–1905 [1]	190,451	54,942	83,237	22,611	1931	278,937	54,748	292,946	48,745
1906–1910 [1]	289,445	92,334	130,111	38,026	1932	164,111	21,236	195,996	23,735
1911–1915 [1]	416,840	123,655	176,635	46,129	1933	174,627	24,917	[3] 126,630	[3] 14,934
1916–1920 [2]	376,877	208,909	244,948	103,805	1934	312,743	49,765	[3] 199,538	[3] 27,780
1921–1925	438,337	129,761	298,975	77,811	1935	302,873	48,933	[3] 240,528	[3] 33,213
1926–1930	491,200	149,999	407,630	108,244	1936	262,417	50,663	[3] 183,788	[3] 29,884
1931–1935	246,658	39,920	211,138	29,662	1937	350,317	93,626	[3] 227,479	[3] 52,562
1927	538,365	150,214	359,161	84,963	1938	422,014	80,809	[3] 205,718	[3] 37,872
1928	562,510	169,831	393,537	98,187	1939	427,579	97,185	[3] 230,669	[3] 44,230

[1] Fiscal years ended June 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.
[3] Imports for consumption; general imports prior to 1933.

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce; annual report, Foreign Commerce and Navigation of the U. S. Also published currently in Monthly Summary of Foreign Commerce of the U. S.

No. 780.—Lead, Recoverable—Mine Production, by States and for Alaska: 1920 to 1939

[In short tons (2,000 pounds)]

STATE	1920	1925	1930	1935	1936	1937	1938	1939 [1]
Total	496,814	684,439	568,313	331,103	372,919	464,892	369,726	413,979
Western States and Alaska	248,131	364,387	312,413	193,439	218,387	254,468	202,953	209,214
Alaska	875	789	1,365	670	941	823	994	937
Arizona	6,935	11,933	4,246	7,783	10,688	12,354	10,571	10,771
Colorado	23,315	31,483	22,130	5,673	7,267	9,786	9,455	8,222
Idaho	118,565	126,521	134,058	79,020	91,339	103,711	92,177	90,981
Montana	14,846	18,765	10,653	15,589	19,059	17,957	9,327	16,555
Nevada	10,100	12,238	11,529	12,676	10,712	9,347	4,679	4,236
New Mexico	1,435	3,210	10,378	7,289	6,626	6,512	4,949	5,392
Utah	66,898	153,335	115,495	63,510	69,886	89,458	65,657	67,034
Washington	2,749	2,814	576	103	840	2,830	4,284	3,718
Other	2,413	3,294	1,983	1,126	1,029	1,690	860	768
Central States	246,780	317,375	237,533	132,682	148,536	204,885	158,873	198,481
Kansas	16,452	22,775	12,910	10,892	11,409	16,008	15,239	13,697
Missouri	161,812	211,566	199,632	97,493	110,428	157,631	122,027	156,281
Oklahoma	64,086	79,946	23,052	23,405	25,427	29,840	21,004	27,720
Other	4,430	3,088	1,939	892	1,272	1,406	603	783
Eastern States	[2] 1,903	2,677	8,367	4,982	5,996	5,539	7,900	6,284
New York								
Tennessee	1,880	448	8,367	4,982	5,996	5,539	7,896	6,284
Virginia		2,229						
North Carolina							4	

[1] Preliminary. [2] Includes small quantities produced in Massachusetts, Pennsylvania, and Georgia.

No. 781.—Lead—Production of Refined Primary and Secondary Lead, 1830 to 1939, and by Class and Source: 1880 to 1939

Note.—Production in short tons (2,000 pounds); values, except price per pound, in thousands of dollars. Figures, except those for antimonial and secondary lead, relate to new (primary) lead only; totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead exclude lead content of antimonial lead, shown in next to last column

YEAR	Production	Value	YEAR	Production	Value	YEAR	Production	Value
1830	8,000	608	1906	404,746	46,141	1923	618,322	86,565
1840	17,000	1,666	1907	413,389	43,819	1924	690,493	110,479
1850	22,000	2,112	1908	396,564	33,311	1925	766,969	133,453
1860	15,600	1,778	1909	446,909	38,434	1926	798,941	127,831
1870	17,830	2,247	1910	470,272	41,384	1927	796,530	100,363
1880	95,725	9,573	1911	486,979	43,828	1928	781,071	90,604
1885	126,192	10,095	1912	480,894	43,280	1929	774,633	97,604
1890	157,844	14,206	1913	462,460	40,696	1930	643,033	64,303
1895	235,822	15,093	1914	542,122	42,286	1931	442,764	32,765
1898	302,148	22,963	1915	550,055	51,705	1932	281,941	16,916
1899	298,047	26,824	1916	571,134	78,817	1933	263,676	19,512
1900	367,773	32,364	1917	610,769	105,052	1934	311,236	23,031
1901	371,032	30,909	1918	640,195	90,908	1935	324,560	25,965
1902	367,892	30,167	1919	482,220	51,115	1936	399,156	36,722
1903	368,939	30,991	1920	529,667	84,745	1937	467,317	55,143
1904	393,452	33,837	1921	448,589	40,373	1938	383,669	35,298
1905	388,807	36,501	1922	532,662	58,593	1939	484,035	45,499

YEAR	CLASS		SOURCE			Average value per pound	Antimonial lead, at primary refineries	Secondary lead recovered, total
	Desilverized [1] [2]	Soft undesilverized [2]	Domestic ores and bullion [3]	Foreign ores	Foreign base bullion			
1880	68,035	27,690	95,725			$0.050	(4)	
1890	126,493	31,351	139,720	18,124		.045	(4)	
1900	319,752	48,021	260,918	106,855		.044	(4)	
1910	328,954	141,318	375,402	18,065	76,805	.044	(4)	55,422
1920	339,803	189,854	476,849	8,414	44,394	.080	(4)	124,650
1925	506,409	260,560	654,921	47,024	65,024	.087	(4)	226,880
1930	441,672	201,361	573,740	34,348	34,945	.050	24,797	255,800
1935	227,777	96,783	310,505	13,659	396	.040	16,384	270,400
1936	287,406	111,750	387,698	11,401	57	.046	23,230	262,900
1937	327,368	139,949	443,142	23,393	782	.059	27,524	275,100
1938	275,877	107,792	331,964	32,862	18,843	.046	24,123	224,900
1939	345,705	138,330	420,967	24,652	38,416	.047	21,995	241,500

[1] Desilverized soft lead is included.
[2] Soft lead, both desilverized and undesilverized, includes lead derived from Missouri ores and other non-argentiferous ores. [3] Excludes lead content of antimonial lead. [4] Not available.

Source of tables 780 and 781: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 782.—Lead—Supply and Distribution of Refined Primary Pig: 1910 to 1939

NOTE.—All data in short tons (2,000 pounds). Apparent deliveries are only approximate, as no account (except for bonded warehouses prior to 1933) is taken of changes in stocks

	1910	1920	1925	1930	1935	1937	1938	1939
Supply, total	473,836	565,610	779,035	644,570	325,882	469,555	385,574	489,423
Stock in bonded warehouses Jan. 1	79	234	5,045	1,328	(1)	(1)	(1)	(1)
Imports of pigs, bars, and old	3,485	35,719	7,021	209	[2] 1,322	2,238	1,905	5,388
Production from domestic and foreign ore	470,272	529,657	766,969	643,033	324,560	467,317	383,669	484,035
Deductions, total	69,861	21,415	111,681	49,636	6,982	20,091	[3] 45,866	74,392
Exports of pigs, bars, etc.[4]	69,786	20,093	103,519	48,307	6,982	20,091	[3] 45,866	74,392
Stock in bonded warehouses Dec. 31	75	1,322	8,162	(1)	(1)	(1)	(1)	(1)
Apparent deliveries to domestic consumers	403,975	544,195	667,354	594,935	318,900	449,464	339,708	415,031

[1] Stocks of pigs, bars, etc., in bonded warehouse not separately reported after April 1930; included with base bullion. For purpose of calculating apparent deliveries in 1930 and subsequent years, stocks in warehouse are estimated to have remained unchanged from beginning of the year.
[2] Includes small quantities of old, reclaimed, and scrap lead.
[3] Includes a small quantity, not separable, of "sheets."
[4] Including small quantities of foreign lead reexported through 1935.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 783.—Nonferrous Metals and Alloys, and Finished Products Thereof—Production, by Kind: 1933, 1935, and 1937

NOTE.—Table shows products made for sale and interplant transfer, excluding those made for consumption in same works. Data represent production of commodities specified, whether made as primary or as secondary products by industries reporting them. The census designations of industries in which these commodities are made as primary products are as follows: "Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified;" and "Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore." No data are included for establishments engaged in smelting and refining concentrates containing copper, lead, zinc, and other nonferrous metals

KIND	TONS (2,000 POUNDS)			VALUE (THOUSANDS OF DOLLARS)		
	1933	1935	1937	1933	1935	1937
Ingots and pigs:						
Copper (secondary)	29,277	29,281	39,390	4,180	4,935	9,499
Lead (secondary)	110,095	129,512	125,520	9,913	11,420	15,437
Zinc (secondary)	23,337	31,058	47,918	2,037	3,044	6,221
Brass and bronze	58,641	74,388	138,762	8,018	[1] 14,381	34,348
Antifriction bearing metal	12,814	19,638	40,970	4,324	[1] 6,520	11,074
Solders, of all kinds	26,740	38,950	58,546	11,241	[1] 16,720	28,622
Type metal	22,428	28,381	34,756	2,762	[1] 4,234	6,258
Plates and sheets:						
Brass and bronze	117,559	153,364	195,822	28,754	44,606	78,798
Copper	69,287	93,014	104,366	17,237	26,143	36,350
Lead	12,284	17,332	22,503	1,537	2,309	3,776
Nickel alloys	10,641	14,881	17,899	5,710	7,713	10,795
Zinc	24,957	49,921	63,744	4,306	8,131	12,342
Rods:						
Brass and bronze	68,821	94,261	139,743	14,279	23,894	43,240
Copper	80,470	111,334	199,374	12,588	22,387	44,080
Nickel and other metals and alloys	----------	----------	----------	4,229	6,400	8,760
Extruded shapes	----------	----------	----------	1,438	5,966	6,077
Tubing (seamless) and pipe:						
Brass and bronze	38,730	47,834	78,805	10,760	16,626	34,870
Copper	29,575	33,992	57,999	9,055	12,039	26,282
Lead	13,485	16,829	22,965	1,953	2,455	3,928
Nickel alloys	792	1,304	1,918	600	1,522	2,165
Other tubing	----------	----------	----------	520	1,399	2,183
Castings, rough:						
Brass and bronze:						
Quantity reported	36,543	51,598	126,281	11,917	19,156	49,354
Quantity not reported	----------	----------	----------	4,658	14,303	----------
Copper	1,367	1,820	3,901	664	[2] 771	2,214
Nickel alloys [3]	3,313	2,256	4,233	2,838	[2] 2,480	4,490
Finished products:						
Castings, finished	----------	----------	----------	3,530	4,356	3,475
Bearings and bushings (including antifriction linings)	----------	----------	----------	9,533	21,209	43,255
Die castings	----------	----------	----------	7,962	20,267	28,073
Forgings and hot-pressed parts	----------	----------	----------	1,781	2,723	6,837
Bells	----------	----------	----------	161	351	407

[1] Not including the value of ingots and pigs for which no quantity was reported as follows: Brass and bronze, $197,000; antifriction bearing metal, $1,186,000; solders, $2,010,000; type metal, $214,000.
[2] Not including the value of castings for which no quantity was reported as follows: Copper, $644,000; nickel alloys, $419,000.
[3] Includes nonferrous heat-corrosion-resistant alloy castings.

Source: Dept. of Commerce, Bur. of the Census; reports of Biennial Census of Manufactures.

No. 784.—Zinc—Production of Ore, by States, Smelter Production, and Primary Slab Zinc Available for Consumption: 1910 to 1939

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	1920	1925	1930	1935	1937	1938	1939 [1]
Mine production (recoverable zinc content of ore)	327,618	587,524	710,847	595,425	517,903	626,362	516,703	583,807
Arizona	2,742	720	3,666	815	3,337	5,026	5,814	6,711
Colorado	38,545	24,395	30,811	36,259	1,202	4,247	4,553	1,830
Idaho	2,802	13,966	15,619	37,649	31,053	54,199	44,030	47,549
Kansas	13,229	61,073	118,778	74,304	54,110	80,300	73,024	68,971
Missouri	128,589	24,509	14,794	10,811	7,263	20,600	10,226	15,096
Montana	15,819	92,169	57,658	26,421	54,781	39,168	8,844	34,799
Nevada	1,354	5,349	7,411	14,584	15,536	14,236	8,044	6,228
New Jersey	68,584	78,511	89,261	97,626	85,708	101,408	85,839	88,716
New Mexico	9,044	5,007	9,246	32,765	22,126	23,927	28,236	26,356
New York	-------	5,654	5,158	22,471	23,720	32,690	29,896	36,014
Oklahoma	6,394	219,727	283,371	136,153	129,763	135,696	112,924	140,379
Tennessee	966	19,217	16,256	[2] 48,147	[2] 42,832	[2] 55,255	[2] 50,766	[2] 56,225
Utah	8,184	4,079	26,306	44,495	31,107	48,001	33,658	34,526
Washington	-------	213	609	352	1	4,116	11,402	10,131
Wisconsin	25,927	27,285	20,230	12,558	8,923	6,938	2,073	5,904
Other States	5,439	5,641	11,673	15	441	555	474	1,372
Smelter production	310,407	506,227	634,376	547,345	[3]	621,444	488,611	560,499
Primary zinc	269,184	463,377	572,946	498,045	420,634	556,904	446,341	507,236
From domestic ore	252,479	450,045	555,631	489,361	412,184	551,165	436,007	491,058
From foreign ore	16,705	13,332	17,315	8,684	[4] 8,450	[4] 5,739	[4] 10,334	[4] 16,178
Secondary zinc	41,223	42,850	61,430	49,300	[3]	64,540	42,270	53,263
Redistilled	12,784	21,371	39,181	[5] 34,849	28,650	51,554	31,613	50,428
Remelted	28,439	21,479	22,249	14,451	[3]	12,986	10,657	2,835
Value of primary product from domestic ore ($1,000)	27,268	72,907	84,456	46,979	30,272	71,651	41,857	51,070
Primary slab zinc:								
Supply, total	281,379	500,170	593,700	584,230	549,861	649,612	532,715	695,707
Stock at smelters, Jan. 1	11,206	36,793	20,754	85,904	124,783	55,500	79,144	157,511
Production	269,184	463,377	572,946	498,045	420,634	556,904	446,341	507,236
Imports for consumption	989	[6]	[6]	281	4,444	37,208	7,230	30,960
Deductions:								
Exports	[7] 3,990	102,178	76,351	4,633	1,617	249	[8] 200	4,515
Stock at smelters, Dec. 31	23,232	71,037	13,080	167,293	90,539	79,144	157,511	83,728
Apparent deliveries to domestic consumers	254,157	326,955	504,269	412,304	457,705	570,219	375,004	607,464

[1] Preliminary. [2] Includes Virginia. [3] Figures are being revised.
[4] Derived from Mexican ores in 1935; mostly from Peru, 1937–38; and from Mexico, Peru, and Argentina in 1939.
[5] Includes small quantity of secondary electrolytic zinc. [6] Less than one-half of 1 ton.
[7] Includes plates and sheets; not separately reported. [8] Estimated; not separately recorded.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 785.—Zinc, Primary—Smelter Production From Domestic Ore: 1875 to 1939

[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	1930	489,361	46,979
1880 [3]	23,239	2,277	1926–1930	576,395	73,119	1931	291,996	22,102
1885	40,688	3,540	1931–1935	314,541	25,432	1932	207,148	12,429
1886–1890	54,285	5,219	1923	508,335	69,134	1933	306,010	25,705
1891–1895	82,396	6,787	1924	515,831	67,058	1934	355,366	30,561
1896–1900	109,953	10,180	1925	555,631	84,456	1935	412,184	36,272
1901–1905	169,504	17,067	1926	611,991	91,799	1936	491,803	49,180
1906–1910	219,378	24,165	1927	576,960	73,851	1937	551,165	71,651
1911–1915	346,867	52,416	1928	591,525	72,166	1938	436,007	41,857
1916–1920	508,731	99,812	1929	612,136	80,802	1939	491,058	51,070

[1] Values at New York prices, up to and including 1907; at St. Louis prices, 1908 to 1914; at average price of 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: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 786.—Gold and Silver—Production in Continental United States, Alaska, Puerto Rico, and Philippine Islands: 1792 to 1939

Note.—The value of gold, in terms of money, being at a fixed rate, is not shown in the table. Gold is valued at $20.67+ per fine troy ounce from 1837 through 1933. In 1933, however, varying higher prices prevailed subsequent to the Executive order of Aug. 29. The value of gold production for 1933, as computed by the Bureau of Mines, was $65,338,000, including $52,842,000 calculated at legal coinage value ($20.67+ per ounce) plus $12,485,000 premium calculated at average weighted price ($25.56 per ounce). On Jan. 31, 1934, the legal value of gold was fixed at $35 per fine ounce. The value of silver given is commercial value, except for 1921 to June 1923 and beginning 1934 (see footnotes 1 and 2), which 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	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792–1847	1,187	310	405	1908	4,574	52,441	28,051
1848–1850	4,838	116	152	1909	4,822	54,722	28,455
1851–1855	14,271	194	259	1910	4,657	57,138	30,855
1856–1860	12,384	309	418				
1861–1865	10,716	28,811	38,674	1911	4,687	60,399	32,616
				1912	4,521	63,767	30,198
1866–1870	12,226	49,113	65,261	1913	4,300	66,802	40,348
1871–1875	8,826	121,083	156,270	1914	4,573	72,455	40,068
1876–1880	10,301	157,681	182,506	1915	4,888	74,961	37,397
1881–1885	7,780	182,841	202,807				
1886–1890	8,078	231,819	227,495	1916	4,479	74,415	48,953
				1917	4,051	71,740	59,078
1891–1895	9,107	287,057	227,960	1918	3,321	67,810	66,485
1896–1900	15,729	279,544	172,689	1919	2,919	56,682	63,534
1901–1905	19,394	278,798	159,543	1920	2,476	55,362	60,802
1906–1910	22,993	277,333	162,916				
1911–1915	22,968	338,384	189,626	1921	2,422	53,052	[1] 53,052
				1922	2,303	56,240	[1] 56,240
1916–1920	17,246	326,009	298,852	1923	2,503	73,335	[1] 60,135
1921–1925	12,229	314,190	259,162	1924	2,529	65,407	43,823
1926–1930	11,259	293,692	159,829	1925	2,412	66,155	45,912
1931–1935	14,102	156,565	77,948				
				1926	2,335	62,719	30,136
1896	2,568	58,835	39,655	1927	2,197	60,434	34,266
1897	2,775	53,860	32,316	1928	2,233	58,463	34,201
1898	3,118	54,438	32,118	1929	2,208	61,328	32,688
1899	3,437	54,765	32,859	1930	2,286	50,748	19,538
1900	3,830	57,647	35,741				
				1931	2,396	30,932	8,970
1901	3,806	55,214	33,128	1932	2,449	23,981	6,763
1902	3,870	55,500	29,415	1933	2,556	23,003	8,051
1903	3,560	54,300	29,322	1934	3,091	32,725	[2] 21,156
1904	3,892	57,683	33,456	1935	3,609	45,924	[2] 33,008
1905	4,266	56,102	34,222	1936	4,357	63,812	[2] 49,423
				1937	4,805	71,942	[2] 55,647
1906	4,565	56,518	38,256	1938	5,090	62,665	[2] 40,511
1907	4,375	56,515	37,300	1939	5,611	65,120	[2] 44,202

State or territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1939 (1,000 dollars)[2]
	1910	1920	1930	1938	1939	1910	1920	1930	1938	1939	
Total	4,657	2,476	2,286	5,090	5,611	57,138	55,362	50,748	62,665	65,120	44,202
Alaska	787	413	407	660	671	154	822	392	564	298	202
Arizona	165	240	149	308	315	2,656	5,432	4,910	7,483	7,436	5,048
California	989	716	450	1,318	1,425	1,792	1,655	1,434	2,694	2,604	1,768
Colorado	993	363	218	375	371	8,523	5,167	4,852	7,806	8,206	5,570
Idaho	50	23	21	98	115	7,027	7,365	9,710	18,397	17,239	11,702
Michigan						262	512	11	106	102	69
Montana	180	92	47	188	256	12,283	13,263	8,597	6,762	8,927	6,060
Nevada	913	175	140	280	351	12,366	7,482	4,179	4,115	4,517	3,066
New Mexico	23	22	32	42	36	779	700	1,160	1,262	1,262	857
Oregon	33	50	14	80	91	44	102	10	92	111	75
South Dakota	260	210	406	592	618	121	88	105	158	171	116
Texas	[3]	[3]	[3]	[3]	[3]	364	523	469	1,381	1,380	937
Utah	209	103	209	215	267	10,446	11,755	14,451	10,289	10,844	7,360
Washington	39	7	4	68	86	205	178	30	311	428	290
Philippine Islands	7	62	185	845	991	2	22	121	976	1,248	847
Other	8	[3]	3	21	18	115	296	317	269	347	235

[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] Valued beginning 1934 at Government's average buying price for domestic product: 1934, $0.64+ per fine ounce; 1935, $0.71875; 1936, $0.7745; 1937, $0.7735; 1938, $0.6464+; and 1939, $0.6787+; the amount per fine ounce returned to depositors of newly mined domestic silver.
[3] Less than 500 ounces.

Source: Treasury Department, Bureau of the Mint, Annual Report of the Director.

No. 787.—Gold and Silver for Use in Manufactures and the Arts

Yearly average or year	Gold in thousands of dollars[1]					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin	Bullion and foreign coin	Total			United States coin	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	155	3,685	3,840	315	4,155
1886–1890	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	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	9,399	12,899	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	2,500	28,121	30,621	9,967	40,588	77	23,438	23,516	6,928	30,444
1916–1920	1,000	38,831	39,831	22,033	61,864	77	22,011	22,089	9,126	31,214
1921–1925	1,000	29,321	30,321	29,275	59,596	77	28,538	28,616	8,189	36,805
1926–1930	1,000	23,747	24,747	30,450	55,197	77	28,050	28,137	10,325	38,461
1931–1935	420	[2] *20,521*	[2] *20,101*	41,389	21,288	77	13,200	13,278	20,353	33,631
1931	1,000	4,931	5,931	23,227	29,158	77	24,258	24,336	9,346	33,682
1932	1,000	[2] *7,490*	[2] *6,490*	26,595	20,105	77	14,384	14,461	9,797	24,258
1933	100	[2] *5,893*	[2] *5,793*	22,806	17,013	77	10,733	10,811	18,533	29,343
1934	-------	[2] *61,694*	[2] *61,694*	75,927	14,233	77	11,415	11,492	28,186	39,679
1935	-------	[2] *32,461*	[2] *32,461*	58,391	25,929	77	5,212	5,289	35,903	41,192
1936	-------	[2] *2,908*	[2] *2,908*	35,876	32,968	77	19,062	19,139	16,703	35,843
1937	-------	3,214	3,214	36,408	39,622	77	27,650	27,727	23,565	51,292
1938	-------	[2] *824*	[2] *824*	30,481	30,157	77	20,104	20,181	18,439	38,620
1939	-------	7,461	7,461	31,328	38,789	77	44,536	44,613	24,972	69,585

[1] Value prior to 1934 calculated on basis of $20.67+ per fine ounce; in 1934 and thereafter, $35.00 per fine ounce.
[2] Excess of return from industry over new material issued to industry.

No. 788.—Silver—Prices, London and New York, and Value in the Dollar: 1835 to 1939

Note.—The London price is converted to the basis of the ounce 1,000 fine and converted to American money at par of exchange through 1930; thereafter, at the current rate of exchange. London quotations are in depreciated currency after Sept. 21, 1931, also in some prior year periods, including 1918 to 1924. New York quotations are in depreciated currency after early March 1933. The commercial ratio is computed on the basis of London quotations through 1914; thereafter, on the basis of the New York average price. Beginning with 1934 the monetary value of gold is $35.00 per fine ounce as compared with $20.67 in previous years. The value of fine silver (371¼ grains) in the dollar is computed on the basis of London quotations through 1917; thereafter, on the basis of the New York average price

[All figures, except "Commercial ratio to gold," expressed in dollars]

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	------	1913	0.605	0.612	0.651	0.580	34.19	0.468
1840	1.323	------	------	------	15.62	1.023	1914	.553	.563	.609	.490	37.37	.428
1845	1.298	------	------	------	15.92	1.004	1915	.519	.511	.580	.478	40.48	.401
1850	1.316	------	------	------	15.70	1.018	1916	.686	.672	.791	.573	30.78	.531
1855	1.344	------	------	------	15.38	1.039	1917	.895	.840	1.165	.731	24.61	.692
1860	1.352	------	------	------	15.29	1.045	1918	1.042	.984	1.019	.889	21.00	.761
1865	1.338	------	------	------	15.44	1.035	1919	1.250	1.121	1.383	1.014	18.44	.867
1870	1.328	------	------	------	15.57	1.027	1920	1.346	1.019	1.379	.604	20.28	.788
1875	1.242	1.239	1.261	1.210	16.64	.961	1921	.805	.631	.738	.532	32.76	.488
1880	1.145	1.139	1.150	1.113	18.05	.886	1922	.754	.679	.742	.629	30.43	.525
1885	1.065	1.064	1.095	1.028	19.41	.824	1923	.700	.652	.690	.629	31.69	.505
1890	1.046	1.053	1.205	.958	19.75	.809	1924	.745	.671	.724	.630	30.80	.519
1895	.654	.663	.690	.600	31.60	.506	1925	.703	.694	.732	.668	29.78	.537
1898	.590	.591	.623	.551	35.03	.456	1926	.629	.624	.689	.518	33.11	.483
1899	.602	.605	.648	.586	34.36	.465	1927	.571	.567	.603	.542	36.47	.438
1900	.620	.621	.658	.598	33.33	.480	1928	.586	.585	.639	.568	35.34	.452
1901	.596	.597	.645	.548	34.68	.461	1929	.536	.533	.578	.468	38.78	.412
1902	.528	.528	.569	.474	39.15	.408	1930	.387	.386	.472	.311	53.74	.298
1903	.543	.542	.624	.475	38.10	.420	1931	.292	.290	.376	.261	71.25	.224
1904	.579	.578	.625	.534	35.70	.448	1932	.281	.282	.313	.246	73.29	.218
1905	.610	.610	.665	.556	33.87	.472	1933	.346	.350	.453	.248	59.06	.271
1906	.677	.674	.724	.631	30.54	.524	1934	.481	.483	.561	.421	72.49	.373
1907	.662	.660	.710	.528	31.24	.512	1935	.639	.646	.813	.501	54.19	.500
1908	.535	.535	.589	.483	38.64	.414	1936	.449	.454	.501	.451	77.09	.351
1909	.520	.522	.545	.508	39.74	.402	1937	.447	.452	.471	.451	77.44	.350
1910	.541	.542	.576	.508	38.22	.418	1938	.430	.435	.451	.431	80.39	.337
1911	.539	.540	.575	.521	38.33	.417	1939	.408	.394	.431	.351	88.84	.305
1912	.615	.620	.656	.553	33.62	.475							

Source of tables 787 and 788: Treasury Dept., Bureau of the Mint, Annual Report of the Director.

No. 789.—Coke—Production, Exports, and Imports: 1896 to 1939

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	68,581	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	103,739	897	98
1916–1920	52,429	27,733	24,696	47.1	320,799	1,182	34
1921–1925	42,985	11,026	31,959	74.4	251,907	734	99
1926–1930	53,724	6,687	47,037	87.6	262,212	1,027	171
1931–1935	29,965	927	29,038	96.9	145,035	716	171
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	169
1928	52,806	4,493	48,313	91.5	252,334	1,098	148
1929	59,884	6,472	53,412	89.2	278,995	1,238	120
1930	47,972	2,776	45,196	94.2	209,137	1,004	133
1931	33,484	1,128	32,356	96.6	161,609	754	100
1932	21,789	652	21,137	97.0	104,337	630	117
1933	27,589	911	26,678	96.7	122,951	698	161
1934	31,822	1,029	30,793	96.8	159,426	943	161
1935	35,141	917	34,224	97.4	176,853	614	317
1936	46,275	1,706	44,569	96.3	232,374	670	330
1937	52,375	3,165	49,211	94.0	261,004	527	286
1938	32,496	837	31,658	97.4	167,182	487	135
1939	44,327	1,444	42,882	96.7	212,884	590	142

[1] Before 1934, figures represent general imports; thereafter, imports entered for consumption.

No. 790.—Coke—By-Product and Beehive Production, by States: 1915 to 1939

[Figures in thousands of short tons (2,000 pounds)]

	1915	1920	1925	1930	1935	1936	1937	1938	1939
BY-PRODUCT									
Total	14,073	30,834	39,912	45,196	34,224	44,569	49,211	31,658	42,882
Alabama	2,070	3,124	4,582	3,987	1,994	3,090	4,260	3,378	3,855
Colorado	----	517	490	379	207	337	487	187	398
Illinois	1,687	2,137	3,012	3,576	1,669	2,083	2,999	1,736	1,884
Indiana	2,768	4,554	5,142	4,984	3,768	5,450	5,467	2,905	4,878
Maryland	313	682	1,019	1,169	930	1,217	1,514	1,105	1,579
Massachusetts	504	488	535	863	1,006	1,108	1,131	1,019	1,057
Michigan	(1)	1,393	1,751	2,604	2,482	2,294	2,284	1,743	2,431
Minnesota	128	675	518	641	430	522	705	540	497
New Jersey	269	726	904	919	917	1,008	1,015	1,007	1,003
New York	684	1,040	2,220	3,850	4,099	4,836	4,947	3,945	4,468
Ohio	666	5,615	7,105	6,103	5,101	6,242	6,738	3,700	6,136
Pennsylvania	3,092	7,730	9,853	12,529	8,078	12,571	13,701	7,119	10,994
West Virginia	141	447	1,056	1,479	1,604	1,703	1,818	1,347	1,598
All other States	1,749	1,706	1,725	2,051	1,939	2,110	2,147	1,928	2,104
BEEHIVE									
Total	27,508	20,511	11,355	2,776	917	1,706	3,165	837	1,444
Pennsylvania	22,531	15,908	9,574	2,011	564	1,213	2,559	482	1,126
Ohio	19	87	156	----	----	----	----	----	----
West Virginia	1,260	1,381	490	422	155	231	279	154	88
Alabama	1,001	890	88	----	----	----	----	----	----
Kentucky	285	273	(1)	----	----	----	----	----	----
Tennessee	234	163	128	25	3	4	15	6	----
Virginia	630	1,028	422	220	138	191	240	134	166
Colorado	671	273	155	79	49	61	64	55	57
Utah	(1)	(1)	146	7	6	6	7	8	8
All other States	887	509	196	12	2	(2)	----	----	----

[1] Included under "all other States." [2] Less than 500 tons.

Source of tables 789 and 790: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 791.—Coal—Production, 1821 to 1939, and by States, 1911 to 1939

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 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	1917	651,402	99,612	551,791	283,651	1,249,273
1831–1840	1,032	722	310	1918	678,212	98,826	579,386	336,480	1,491,810
1841–1850	4,535	2,697	1,837	1919 [1]	553,952	88,092	465,860	304,927	1,160,616
1851–1860	12,513	7,645	4,868	1920	658,265	89,598	568,667	434,252	2,129,933
1861–1865	20,538	11,142	9,396	1921 [1]	506,395	90,473	415,922	452,305	1,199,984
1866–1870	31,706	16,281	15,425	1922	476,951	54,683	422,268	273,700	1,274,820
1871–1875	52,179	23,407	28,773	1923	657,904	93,339	564,565	506,787	1,514,621
1876–1880	62,261	25,800	36,461	1924 [1]	571,613	87,927	483,687	477,231	1,062,626
1881–1885	107,291	36,198	71,093	1925 [1]	581,870	61,817	520,053	327,665	1,060,402
1886–1890	138,398	43,952	94,446	1926 [1]	657,804	84,437	573,367	474,164	1,183,417
1891–1895	178,822	53,405	125,416	1927 [1]	597,859	80,096	517,763	420,942	1,020,652
1896–1900	227,123	55,625	171,498	1928 [1]	576,093	75,348	500,745	393,638	933,774
1901–1905	339,357	66,854	272,503	1929 [1]	608,817	73,828	534,989	385,643	952,781
1906–1910	454,555	81,142	373,413	1930 [1]	536,911	69,385	467,526	354,574	795,483
1911–1915	529,189	89,233	439,956	1931 [1]	441,735	59,646	382,089	296,355	588,896
1916–1920	626,386	92,741	533,645	1932 [1]	359,565	49,855	309,710	222,375	406,677
1921–1925	558,947	77,648	481,299	1933 [1]	383,172	49,541	333,631	206,718	445,788
1926–1930 [1]	595,497	76,619	518,878	1934 [1]	416,530	57,168	359,362	244,152	628,383
1931–1935 [1]	405,108	53,674	351,434	1935 [1]	424,532	52,159	372,373	210,131	658,063
1913	569,960	91,525	478,435	1936 [1]	493,668	54,580	439,088	227,004	770,955
1914	513,525	90,822	422,704	1937 [1]	497,387	51,856	445,531	197,599	[2] 864,042
1915	531,619	88,995	442,624	1938 [1]	394,644	46,099	348,545	180,600	[2] 678,653
1916	590,098	87,578	502,520	1939 [1 3]	444,552	51,487	393,065	187,175	[2] 732,534

STATE	1911–1915	1916–1920	1921–1925	1926–1930 [1]	1931–1935 [1]	1936 [1]	1937 [1]	1938 [1]	1939 [1 3]
Total quantity	529,189	626,386	558,947	595,497	405,108	493,668	497,387	394,644	444,552
Anthracite (Pa.)	89,233	92,741	77,648	76,619	53,674	54,580	51,856	46,099	51,487
Bituminous	439,956	533,645	481,299	518,878	351,434	439,088	445,531	348,545	393,065
Alabama	15,864	17,834	18,097	18,380	9,252	12,229	12,440	11,062	11,995
Arkansas	1,980	1,980	1,261	1,579	1,012	1,623	1,511	1,197	[4] 2,300
Colorado	9,433	11,595	10,049	9,665	5,711	6,812	7,187	5,663	5,890
Illinois	58,320	78,255	68,523	57,310	40,198	50,927	51,602	41,912	46,450
Indiana	16,060	25,515	21,677	18,467	14,386	17,822	17,765	14,759	16,650
Iowa	7,442	7,571	4,952	3,879	3,492	3,961	3,637	3,103	3,050
Kansas	6,811	6,556	3,927	3,215	2,270	2,944	2,893	2,654	[5] 6,195
Kentucky	18,380	30,108	43,743	61,116	38,130	47,522	47,086	38,545	42,805
Maryland	4,549	4,158	2,033	2,700	1,654	1,704	1,549	1,281	1,468
Michigan	1,271	1,301	976	705	492	626	562	494	434
Missouri	4,048	5,086	3,011	3,538	3,624	3,935	4,091	3 436	(6)
Montana	2,972	4,008	2,881	3,139	2,396	2,988	2,905	2,732	2,810
New Mexico	3,618	3,728	2,772	2,612	1,338	1,507	1,715	1,239	1,206
North Dakota	506	787	1,221	1,622	1,750	2,215	2,251	2,050	2,089
Ohio	28,553	40,609	31,590	21,111	19,151	24,110	25,178	18,591	19,632
Oklahoma	3,720	4,292	2,741	3,346	1,368	1,540	1,600	1,245	(7)
Pennsylvania	157,229	168,532	133,721	137,038	86,592	109,887	111,002	77,705	92,190
Tennessee	6,288	6,208	5,078	5,544	4,062	5,108	5,213	4,472	5,280
Texas	2,201	1,980	1,084	1,107	738	843	910	879	810
Utah	2,999	4,693	4,593	4,683	2,846	3,247	3,810	2,947	3,340
Virginia	7,924	10,158	10,648	12,521	8,923	11,662	13,795	12,283	13,230
Washington	3,261	3,576	2,626	2,513	1,555	1,812	2,002	1,557	1,690
West Virginia	69,353	86,369	97,044	136,315	95,748	117,926	118,646	93,288	107,938
Wyoming	6,907	8,555	6,812	6,520	4,545	5,781	5,918	5,204	5,383
Other States and Alaska	259	190	239	240	201	217	203	237	230

[1] Exclusive of product of wagon mines. [2] Estimated from various sources; includes selling expenses. [3] Preliminary. [4] Includes Oklahoma. [5] Includes Missouri. [6] Included with Kansas. [7] Included with Arkansas.

Source: Department of the Interior, Bureau of Mines and Bituminous Coal Division; Minerals Yearbook and Bituminous Coal Tables, 1938–1939.

No. 792.—Coal—Exports, Imports, and Bunker Coal Laden on Vessels in Foreign Trade: 1891 to 1939

[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 [2]		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895 [3]	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	----	----
1896–1900 [3]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	----	----
1901–1905 [3]	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	----	----
1906–1910 [4]	12,018	36,805	2,646	13,034	9,372	23,770	1,727	4,530	[5] 5,638	[5] 18,291
1911–1915	19,132	58,362	3,753	19,624	15,379	38,738	1,437	4,069	7,289	23,890
1916–1920	27,160	151,356	4,647	32,960	22,513	118,396	1,258	5,788	7,389	43,975
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	4,727	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	3,598	41,086	31,493	155,819	1,202	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	4,989	3,834	20,258
1929	18,603	98,310	3,041	32,569	15,562	65,742	877	5,486	3,827	19,575
1930	16,455	83,694	2,278	24,509	14,176	59,186	818	5,525	3,122	15,697
1931	12,415	60,457	1,588	17,062	10,827	43,395	755	5,160	1,960	9,639
1932	9,033	41,752	1,164	12,064	7,870	29,688	709	4,420	1,204	5,534
1933	8,992	37,611	924	9,040	8,069	28,572	[6] 584	[6] 3,432	1,175	5,241
1934	10,863	51,464	1,159	11,082	9,704	40,382	[6] 593	[6] 4,190	1,179	5,798
1935	10,136	48,424	1,438	13,186	8,699	35,238	[6] 690	[6] 4,276	1,407	7,338
1936	11,012	52,381	1,498	13,775	9,513	38,606	[6] 791	[6] 4,570	1,448	7,463
1937	13,445	63,617	1,709	14,796	11,736	48,821	[6] 584	[6] 2,946	1,635	8,840
1938	11,071	52,739	1,704	14,635	9,366	38,105	[6] 539	[6] 3,267	1,208	6,557
1939	12,661	62,608	2,313	19,920	10,349	42,778	[6] 583	[6] 3,376	1,318	7,131

[1] Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.
[2] Including lignite, slack, and culm. [3] Fiscal years ended June 30.
[4] Average for period July 1, 1905, to Dec. 31, 1910.
[5] Figures do not include coal laden on vessels on the Great Lakes in 1906, 1907, and 1908.
[6] Imports for consumption; general imports prior to 1933.

No. 793.—Coal—Shipments, Value, and Employment in Mines: 1890 to 1939

Calendar year	Thousand tons (2,000 pounds)				Average value per ton at mines (1)	Average number of men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Capacity of mines [3] (million tons [3])
	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	(4)	71
1895	52,093	1,315	4,591	----	1.41	142,917	196	2.07	406	(4)	90
1900	50,710	1,208	5,550	----	1.49	144,206	166	2.40	398	(4)	105
1905	69,053	1,571	7,036	----	1.83	165,406	215	2.18	470	(4)	110
1910	73,623	2,021	8,841	----	1.90	169,497	229	2.17	498	(4)	112
1915	76,906	2,092	9,997	----	2.07	176,552	230	2.19	504	1.5	118
1920	76,844	2,897	9,858	----	4.85	145,074	271	2.28	618	1.1	101
1925	53,708	2,885	5,104	----	5.30	160,312	182	2.12	386	1.6	103
1930	61,202	3,144	5,038	----	5.11	150,804	208	2.21	460	2.0	90
1935	46,538	2,875	2,746	----	4.03	103,269	189	2.68	505	3.5	84
1937	46,203	2,981	2,672	----	3.81	99,085	189	2.77	523	3.8	83
1938	41,064	2,722	2,313	----	3.92	96,417	171	2.79	478	3.4	82
1939	45,092	3,081	2,414	----	3.64	[5] 93,000	(4)	(4)	(4)	3.7	(4)
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[6] 5.3	151
1895	106,287	8,340	2,086	18,404	.86	230,962	194	2.90	563	[7] 11.9	216
1900	173,072	7,868	3,740	27,635	1.04	304,375	234	2.98	697	24.9	281
1905	255,201	10,639	7,007	42,412	1.06	460,629	211	3.24	684	32.8	459
1910	342,969	12,287	9,068	52,187	1.12	555,533	217	3.46	751	41.7	592
1915	379,877	12,354	9,799	40,595	1.13	557,456	203	3.91	794	55.0	671
1920	504,873	21,289	11,896	30,608	3.75	639,547	220	4.00	881	59.8	798
1925	477,173	21,351	5,776	15,753	2.04	588,493	195	4.52	884	70.6	823
1930	437,399	22,121	3,993	4,014	1.70	493,202	187	5.06	948	77.5	770
1935	338,069	29,734	3,103	1,468	1.77	462,403	179	4.50	805	78.8	640
1937	399,238	37,763	3,052	4,884	1.94	491,864	193	4.09	906	(4)	710
938	312,239	32,453	2,493	1,360	1.95	441,333	162	4.89	790	87.5	663

[1] Figures for bituminous coal represent average value per ton less selling expense (Bur. of Mines series) prior to 1937; thereafter, average gross realization including selling expense (Bit. Coal Div. series).
[2] Calculated at 303.5 working days in the anthracite field and 308 working days in the bituminous field.
[3] Of 2,000 pounds. [4] Not available. [5] Estimate by Pa. Dept. Mines. [6] 1891. [7] 1896.

Sources: Table 792, Dept. of Commerce, Bur. of Foreign and Domestic Commerce; annual report, Foreign Commerce and Navigation of the U. S. Also published currently in Monthly Summary of Foreign Commerce of the U. S. Table 793, Dept. of the Interior, Bur. of Mines, and Bituminous Coal Division; Minerals Yearbook, and Bituminous Coal Tables, 1938–39.

No. 794.—Bituminous Coal—Consumption, by Class of Consumer: 1889 to 1939

	1889	1899	1909	1919	1929	1936	1937	1938	1939 [1]
Consumption (million tons of 2,000 lbs.), total	95.8	190.3	370.3	481.7	519.6	422.8	428.5	344.7	378.0
Colliery fuel	1.4	3.1	9.5	11.1	4.7	3.2	3.1	2.5	2.8
Locomotive fuel, all steam roads	26.5	53.4	106.0	[2] 119.7	[2] 113.9	[2] 81.1	[2] 82.7	[2] 68.8	[2] 73.8
Bunkers, vessels in foreign trade	1.9	3.8	6.8	8.2	4.3	1.6	1.8	1.4	1.5
Coke ovens, beehive and by-product	16.0	30.2	59.4	65.6	86.8	65.9	74.5	46.6	63.5
Electric public utilities [3]	(4)	7.6	18.7	35.1	44.9	42.0	44.8	40.2	46.2
All other uses [5]	50.0	92.2	169.9	242.0	265.0	228.9	221.7	185.2	190.1
Per cent of total consumption	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Colliery fuel	1.5	1.6	2.6	2.3	.9	.8	.7	.7	.7
Locomotive fuel, all steam roads	27.7	28.1	28.6	[2] 24.9	[2] 21.9	[2] 19.2	[2] 19.3	[2] 20.0	[2] 19.5
Bunkers, vessels in foreign trade	2.0	2.0	1.9	1.7	.8	.4	.4	.4	.4
Coke ovens, beehive and by-product	16.7	15.9	16.0	13.6	16.7	15.6	17.4	13.5	16.8
Electric public utilities	(4)	4.0	5.0	7.3	8.6	9.9	10.4	11.7	12.2
All other uses	52.1	48.4	45.9	50.2	51.0	54.1	51.7	53.7	50.3

[1] Preliminary. [2] Class I roads.
[3] Includes electric central stations and street railways through 1919. Figures include a small amount of anthracite consumed. [4] Not available.
[5] Obtained by subtracting known items from total consumption. Includes general manufacturing, domestic, and miscellaneous uses.

Source: Department of the Interior, Bureau of Mines and Bituminous Coal Division; Minerals Yearbook and Bituminous Coal Tables, 1938–39 (data were assembled from various original sources).

No. 795.—Strikes in Anthracite and Bituminous Coal Mining Industries, by Major Issues Involved: 1928 to 1939

Note.—Strikes involving fewer than 6 workers or lasting less than 1 day are not included. Figures are for strikes beginning in years shown. For combined statistics covering strikes in all industries, see table 391

Coal-mining industry and year	Number of strikes				Number of workers involved				Number of man-days idle			
	Total	Major issues			Total	Major issues			Total	Major issues		
		Wages and hours	Union organization	Miscellaneous		Wages and hours	Union organization	Miscellaneous		Wages and hours	Union organization	Miscellaneous
Anthracite:												
1928	41	4	10	27	78,424	4,059	12,581	61,784	573,404	18,426	93,039	461,939
1929	32	2	8	22	57,276	1,022	8,757	47,497	239,206	3,685	14,685	220,836
1930	18	1	8	9	20,036	1,580	6,848	11,608	117,338	3,160	29,505	84,673
1931	14	4	4	6	61,416	21,675	2,151	37,590	655,203	250,633	17,610	386,960
1932	18	6	2	10	19,592	16,105	333	3,154	167,036	125,175	9,570	32,291
1933	27	9	2	16	96,297	8,559	3,300	84,438	1,012,787	103,026	42,100	867,661
1934	38	10	1	27	105,296	11,130	313	93,853	948,767	136,009	939	811,819
1935	33	7	1	25	50,191	9,517	1,100	39,574	788,724	75,604	41,800	671,320
1936	26	5	6	15	23,073	3,596	13,005	6,472	264,545	43,043	153,083	68,419
1937	32	13	1	18	59,600	24,902	480	34,218	606,656	144,548	15,360	446,748
1938	17	4	3	10	26,416	2,316	5,325	18,775	357,854	35,191	181,577	141,086
1939	25	3	5	17	22,664	2,813	1,057	18,794	77,909	3,773	15,271	58,865
Bituminous:												
1928	30	10	2	18	63,279	51,154	459	11,666	5,940,992	5,862,745	997	77,250
1929	58	34	11	13	18,093	12,594	2,253	3,246	181,611	138,010	21,296	22,325
1930	52	32	7	13	26,841	14,786	7,189	4,866	882,599	414,044	385,826	82,729
1931	57	27	18	12	52,392	7,944	37,105	7,343	1,542,506	98,546	1,288,066	155,894
1932	43	25	7	11	63,619	52,123	8,792	2,704	5,913,886	5,007,375	873,252	33,259
1933	102	38	30	34	142,242	17,488	111,413	13,341	2,211,375	472,521	1,644,661	94,193
1934	78	21	23	34	109,827	46,309	43,741	19,777	1,562,358	981,282	473,735	107,341
1935	42	10	12	20	420,574	403,790	3,174	13,610	2,971,449	2,860,358	24,178	86,913
1936	38	5	9	24	19,648	1,378	2,934	15,336	533,314	356,058	43,431	133,825
1937	54	11	21	22	99,253	45,913	27,878	25,462	1,924,951	1,048,642	400,759	475,550
1938	27	6	10	11	9,505	2,196	2,324	4,985	132,855	8,422	24,151	100,282
1939	25	2	11	12	355,383	1,102	346,524	7,757	7,302,556	22,243	7,191,984	88,329

Source: Department of Labor, Bureau of Labor Statistics; Bulletin No. 651, Strikes in the United States, 1880–1936; annual report, Analysis of Strikes; and official records. Figures are published currently in part in Monthly Labor Review.

No. 796.—Coal for Household Use—Retail Prices, by Cities: 1929 to 1939

Note.—Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified. Bituminous prices represent Eastern, except those in italics, which are Western

City	Pennsylvania anthracite, chestnut					Bituminous, high volatile, egg			
	1929	1932	1937	1938	1939 [1]	1938		1939	
	December 15					June 15	Dec. 15	June 15	Dec. 15 [1]
New England:									
Boston, Mass.	15.50	13.50	12.72	13.35	13.00	[2] 9.19	[2] 9.16	[2] 9.20	[2] 9.51
Bridgeport, Conn.	15.50	12.88	12.10	12.10	11.60				
Fall River, Mass.	16.25	14.25	13.75	13.50	13.50	[2] 8.80	[2] 9.00	[2] 9.00	[2] 9.40
Manchester, N. H.	17.00	14.83	14.19	14.50	13.88	[2] 10.50	[2] 10.50	[2] 10.50	[2] 10.50
New Haven, Conn.	15.25	14.00	13.00	13.00	13.00				
Portland, Maine	16.80	15.60	13.25	12.50	13.00	[2] 6.70	[2] 6.70	[2] 6.67	[2] 8.21
Providence, R. I.	16.00	14.50	13.38	13.78	13.22	[2] 7.85	[2] 7.92	[2] 7.76	[2] 8.10
Middle Atlantic:									
Buffalo, N. Y.	13.32	12.21	11.95	11.85	11.20	[2] 6.13	[2] 6.50	[2] 6.50	[2] 6.50
Newark, N. J.	13.46	12.00	11.25	11.25	10.20				
New York, N. Y. [3]	14.08	12.20	11.01	11.25	10.46	[2] 7.47	[2] 7.45	[2] 7.32	[2] 7.33
Philadelphia, Pa.	[4] 14.50	11.50	10.11	[5] 10.55	9.95				
Pittsburgh, Pa. [6]	15.00	13.00	12.69	12.75	12.56	4.04	4.38	4.41	4.59
Rochester, N. Y.	14.25	13.13	11.93	11.91	11.44				
Scranton, Pa.	9.92	9.00	7.88	7.81	7.40				
East North Central:									
Chicago, Ill. [3 6]	16.40	15.50	15.05	15.26	14.49	9.10	9.47	8.42	9.55
Cincinnati, Ohio [5]						5.57	6.11	5.40	6.07
Cleveland, Ohio [3]	14.80	13.44	13.69	13.61	13.39	7.18	7.25	7.13	7.30
Columbus, Ohio [5]						5.94	6.05	6.06	6.30
Detroit, Mich. [3]	15.50	13.17	12.36	12.28	11.83	6.78	6.84	6.72	6.91
Indianapolis, Ind.						6.67	6.93	6.61	6.71
Milwaukee, Wis.	15.85	14.80	13.95	13.55	13.40	8.17	8.14	8.31	8.51
Peoria, Ill. [5 6]						*4.48*	*4.12*	*5.99*	*4.08*
Springfield, Ill. [5 6]						*4.65*	*4.65*	*4.69*	*4.69*
West North Central:									
Kansas City, Mo. [3]	[7] 12.55	[7] 10.63	[7] 10.83	[7] 10.07	[7] 9.93	[8] *6.25*	[8] *6.15*	[8] *6.07*	[8] *6.28*
Minneapolis, Minn.	17.85	17.10	15.50	15.75	15.25	*9.55*	*9.77*	*9.59*	*9.90*
Omaha, Nebr.			[7] 12.58	[7] 12.00	[7] 11.85	*8.54*	*8.68*	*8.50*	*8.88*
St. Louis, Mo. [3 6]	16.45	15.22	14.66	14.28	14.14	*6.31*	*5.77*	*5.23*	*5.90*
St. Paul, Minn.	17.85	17.10	15.47	15.75	15.25	*9.55*	*9.77*	*9.59*	*9.90*
South Atlantic:									
Atlanta, Ga.						6.17	7.50	6.25	7.50
Baltimore, Md.	13.75	12.75	10.20	10.83	9.95	7.00	7.06	7.23	7.24
Charleston, S. C.						9.50	9.50	9.50	9.50
Jacksonville, Fla.						[8] 11.00	[8] 12.00	[8] 11.00	[8] 12.00
Norfolk, Va.	14.00	13.00	13.00	13.00	13.00	7.50	7.50	7.50	7.50
Richmond, Va.	15.00	13.50	12.67	12.92	12.70	7.53	8.13	7.68	8.21
Savannah, Ga.						9.00	9.10	9.05	9.04
Washington, D. C. [4]	15.23	14.15	12.79	13.09	12.35	8.25	8.40	8.25	8.62
East South Central:									
Birmingham, Ala. [5]						5.99	6.90	5.50	5.82
Louisville, Ky.						5.59	5.69	5.59	5.74
Memphis, Tenn.						7.88	7.88	7.88	7.88
Mobile, Ala. [5]						8.52	9.52	8.21	9.07
West South Central:									
Dallas, Tex.	[7] 15.50	[7] 14.00	[7] 12.83	[7] 12.83	[7] 12.83	[8] *10.63*	[8] *10.50*	[8] *10.38*	[8] *10.50*
Houston, Tex.		[7] 14.67	[7] 15.00	[7] 14.50	[7] 14.50	[8] *10.63*	[8] *11.50*	[8] *11.25*	[8] *11.75*
Little Rock, Ark. [3]	[7] 13.50	[7] 10.75	[7] 9.69	[7] 8.67	[7] 8.42	[9] 8.80	[9] 8.55	[9] 8.51	[9] 8.71
New Orleans, La. [5]			[7] 15.60	[7] 15.10	[7] 14.28	9.88	10.71	9.69	10.71
Mountain:									
Butte, Mont. [6]						*10.38*	*11.13*	*11.25*	*11.25*
Denver, Colo. [3]	[10] 14.75	[10] 14.50	[11] 15.81	[11] 15.81	[11] 15.81	*8.10*	*7.86*	*7.60*	*7.56*
Salt Lake City, Utah [5]						[8] *7.62*	[8] *7.52*	[8] *7.62*	[8] *7.37*
Pacific:									
Los Angeles, Calif. [5]						[8] *16.66*	[8] *16.91*	[8] *16.57*	[8] *16.57*
Portland, Oreg.						[8] *13.80*	[8] *13.18*	[8] *13.10*	[8] *13.10*
San Francisco, Calif. [3]	[12] 26.00	[12] 25.00	[12] 23.95	[12] 23.69	[12] 23.86	[8] *17.51*	[8] *17.51*	[8] *17.51*	[8] *17.51*
Seattle, Wash. [5 6]						*11.01*	*11.36*	*11.26*	*11.22*

[1] Preliminary. [2] Run of mine, low volatile. [3] Prices include sales tax beginning 1937.
[4] Price is per ton of 2,240 pounds. [5] Price includes sales tax.
[6] Beginning 1937, prices are on basis of 1 ton deliveries; for earlier years, on averages of 1 or more.
[7] Arkansas, egg or furnace. [8] Lump. [9] Lump, low volatile.
[10] Colorado, furnace, 1 and 2 mixed. [11] Colorado, egg. [12] New Mexico, egg.

Source: Dept. of Labor, Bur. of Labor Statistics; published in Retail Prices for February 1940 and special releases.

No. 797.—Coal—Average Retail Prices and Indexes for Large Cities Combined: 1931 to 1940

Year and month	Average price per ton of 2,000 pounds			Index (October 1922–September 1925=100)		
	Bituminous (unweighted average, 38 cities)	Pennsylvania anthracite (weighted average, 25 cities)		Bituminous (unweighted average, 38 cities)	Pennsylvania anthracite (weighted average, 25 cities)	
		Stove	Chestnut		Stove	Chestnut
1931	$8.33	$13.68	$13.65	86.2	97.1	97.3
1932	7.71	12.55	12.45	79.7	89.2	88.7
1933	7.65	12.12	11.93	79.1	86.2	85.0
1934	8.26	12.18	11.92	85.4	86.6	85.0
1935	8.29	11.38	11.14	85.7	80.9	79.4
1936	8.42	11.74	11.60	87.1	83.5	82.7
1937	8.58	11.05	11.19	88.4	78.5	79.6
1938	8.61	10.96	11.11	88.7	77.9	79.1
1939 [1]	8.52	10.79	10.84	87.7	76.7	77.2
1938						
June	8.38	10.52	10.63	86.4	74.8	75.7
December	8.68	11.37	11.49	89.3	80.8	81.8
1939						
June	8.28	10.47	10.55	85.2	74.4	75.1
December	8.68	10.84	10.83	89.2	77.0	77.1
1940						
March	8.65	11.31	11.37	89.0	80.4	81.0
June [1]	8.15	11.02	11.04	83.4	78.3	78.6

[1] Preliminary.

No. 798.—Natural Gas and Natural Gasoline—Production, 1906 to 1939, and by States, 1925 to 1939

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	-------	-------	-------	1931	1,686,436	392,816	1,790,119	1,831,918	63,732
1911–1915	575,708	88,492	11,602	30,317	2,481	1932	1,555,990	384,632	1,499,756	1,523,800	49,244
1916–1920	762,681	154,500	412,787	268,038	48,174	1933	1,555,474	368,540	1,551,464	1,420,000	54,368
1921–1925	947,419	229,002	820,445	762,151	82,205	1934	1,770,721	395,378	1,776,172	1,535,360	60,523
1926–1930	1,637,540	362,238	1,613,811	1,852,490	136,123	1935	1,916,595	429,374	1,822,000	1,651,986	70,940
1931–1935	1,697,043	304,148	1,687,902	1,592,613	59,761	1936	2,167,802	476,813	1,815,000	1,796,340	84,572
1928	1,568,130	363,726	1,473,434	1,814,034	138,944	1937	2,407,620	528,364	2,108,800	2,065,434	97,125
1929	1,017,693	413,276	1,959,294	2,233,688	158,410	1938	2,295,562	500,698	2,035,562	2,156,574	87,266
1930	1,943,421	416,090	2,088,778	2,210,494	128,160	1939 [1]	2,435,000	530,625	2,080,000	2,095,632	94,300

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced		
	1925	1930	1935	1937	1938	1938	1937	1938	1939 [1]
Total [2]	1,188,571	1,943,421	1,916,595	2,407,620	2,295,562	2,294,097	2,065,434	2,156,574	2,095,632
Arkansas	41,878	18,585	6,167	9,690	11,301	34,833	11,285	25,648	24,631
California	187,789	334,789	284,109	329,769	315,168	315,168	623,894	660,890	606,631
Illinois	4,165	2,890	1,448	1,040	1,169	66,500	2,567	2,436	3,817
Kansas	26,917	37,630	57,125	83,890	75,203	86,105	57,026	55,988	59,567
Kentucky	10,770	28,023	39,738	55,719	46,163	15,350	7,344	7,040	8,464
Louisiana	152,620	278,341	249,450	315,301	283,899	162,260	106,415	95,634	92,066
Montana	1,496	10,060	19,870	24,765	21,216	[3] 18,225	2,296	1,768	2,161
New Mexico	(4)	9,497	27,931	[5] 46,337	[5] 50,706	32,890	38,253	49,596	54,555
New York	[6] 6,210	[6] 9,024	[6] 8,288	[6] 21,325	[6] 39,402	47,950	33	27	34
Ohio	43,235	63,394	49,592	42,733	35,257	108,013	7,704	7,382	7,444
Oklahoma	240,285	348,116	274,313	296,260	263,164	244,443	492,290	468,499	434,797
Pennsylvania	101,632	88,706	[7] 94,464	[7] 115,928	[7] 76,547	96,285	13,940	10,734	12,178
Texas	[8] 134,872	[8] 517,880	[8] 642,366	[8] 854,561	[8] 882,473	729,603	615,281	685,920	704,707
W. Virginia	180,345	144,180	115,772	149,084	134,342	57,478	50,379	50,398	50,612
Wyoming	45,539	43,219	26,643	31,023	26,678	18,654	[9] 33,915	[9] 30,647	[9] 30,675

[1] Preliminary. [2] Includes States not shown separately.
[3] Includes 372,000,000 cubic feet piped from Canada. [4] Separate data not available.
[5] Includes 867,000,000 cubic feet piped to Mexico in 1937 and 832,000,000 in 1938.
[6] Includes 68,000,000 cubic feet piped to Canada in 1925, 107,000,000 in 1930, 29,000,000 in 1935, 29,000,000 in 1937, and 34,000,000 in 1938.
[7] Includes 44,000,000 cubic feet piped to Canada in 1935, 49,000,000 in 1937, and 60,000,000 in 1938.
[8] Includes 64,000,000 cubic feet piped to Mexico in 1925, 1,691,000,000 in 1930, 6,727,000,000 in 1935, 3,923,000,000 in 1937, and 911,000,000 in 1938. [9] Includes Utah.

Sources: Table 797, Dept. of Labor, Bur. of Labor Statistics; published quarterly in Retail Prices. Table 798, Dept. of the Interior, Bur. of Mines; Minerals Yearbook.

No. 799.—Manufactured-Gas Industry—Fuel Consumed, by Kind and by Use: 1932 to 1939

NOTE.—Coal and coke in thousands of tons of 2,000 pounds; oil in thousands of gallons. Companies formerly distributing manufactured gas but which were distributing natural gas at the beginning of 1939 have been excluded from the figures for all years. The figures do not include fuels used in production of coke oven gas which is purchased by gas companies from coke and steel companies for public distribution

	1932	1933	1934	1935	1936	1937	1938	1939
By kind:								
Anthracite [1]	115	132	135	125	144	178	181	199
Bituminous coal	7,517	7,344	7,909	7,508	7,578	7,352	6,715	6,653
Coke purchased	789	670	781	746	720	662	729	674
Coke made in plant [2]	1,450	1,321	1,282	1,338	1,338	1,347	1,255	1,413
Coke breeze	500	487	490	502	466	399	368	342
Oil [3]	548,914	497,272	492,410	475,930	515,016	525,817	585,762	[3] 629,151
Coal and coke, by use:								
Generator fuels [2]	1,934	1,631	1,709	1,655	1,723	1,718	1,707	1,799
Boiler fuels [1]	903	857	912	892	899	907	813	772
Bituminous coal carbonized	6,782	6,711	7,214	6,876	6,895	6,603	6,060	6,035
Bench and producer fuels	752	755	812	796	729	710	668	675

[1] Includes screenings. [2] Includes fuel used in production of reformed oil refinery gas.
[3] Oil used. For 1939, for carburetting water gas, 533,910,000 gallons; for making oil gas, 55,879,000 gallons; for boiler fuel, 39,362,000 gallons.

No. 800.—Manufactured-Gas and Natural-Gas Industries—Summary: 1932 to 1939

NOTE.—Population served and number of customers in thousands, gas produced, purchased, and sold in millions of cubic feet; revenue in thousands of dollars. Companies formerly distributing manufactured gas but which were distributing natural gas at the beginning of 1939 have been excluded from the figures for manufactured gas and included with those for natural gas for all years shown in this table. *Companies selling mixed manufactured and natural gas are included with data for manufactured gas.* Figures for natural gas do not include natural gas used in field operations or in the manufacture of carbon black, or gas used by distributing companies in the conduct of their gas operations

	1932	1933	1934	1935	1936	1937	1938	1939
MANUFACTURED-GAS INDUSTRY								
Population served, Dec. 31	46,520	47,009	47,261	47,263	47,396	47,847	48,086	48,259
Miles of main, Dec. 31	87,300	88,500	88,700	89,800	90,100	90,800	90,900	92,000
Employees, Dec. 31	62,800	66,300	68,400	67,900	69,600	69,400	67,600	67,400
Total gas produced and purchased	356,556	342,558	360,214	364,185	374,375	377,445	372,014	386,365
Gas produced	247,362	230,970	237,207	234,438	238,549	236,442	232,384	242,863
Gas purchased	109,194	111,588	123,007	120,747	135,826	141,003	139,630	143,502
Total number of customers, Dec. 31 [1]	9,205	9,160	9,330	9,466	9,648	9,889	9,872	10,045
Domestic	8,730	8,664	8,792	8,910	9,012	9,220	9,184	9,325
House heating	59	79	115	131	171	202	225	264
Industrial and commercial	407	408	414	416	456	458	454	447
Total gas sales to consumers [1]	327,901	311,431	323,022	328,828	340,150	348,655	348,644	362,409
Domestic	239,459	222,176	215,608	205,710	197,240	194,350	197,052	193,455
House heating	18,955	20,013	28,155	34,997	41,140	45,525	47,918	55,883
Industrial and commercial	67,248	67,252	77,207	85,994	99,572	106,656	101,430	111,078
Total revenue from consumers [1]	381,711	352,711	354,623	351,191	355,083	357,530	357,827	365,150
Domestic	301,785	277,726	272,645	263,811	257,287	255,075	256,418	255,131
House heating	14,587	14,089	18,811	22,601	26,144	28,472	30,809	35,930
Industrial and commercial	63,743	59,386	61,701	63,286	70,141	72,507	69,061	72,774
NATURAL-GAS INDUSTRY								
Population served, Dec. 31	----	----	----	----	----	33,127	33,726	34,298
Miles of main, Dec. 31	----	----	----	----	----	183,400	186,000	190,300
Employees, Dec. 31	----	----	----	----	----	60,300	63,800	65,300
Total number of customers, Dec. 31	6,128	6,177	6,391	6,605	6,817	7,066	7,216	7,454
Domestic [2]	5,671	5,716	5,911	6,104	6,292	6,521	6,650	6,870
Commercial	430	433	447	468	488	505	524	541
Industrial [3]	27	28	33	33	37	40	42	43
Total gas sales to consumers	834,010	862,388	976,141	1,053,806	1,215,930	1,314,907	1,210,856	1,328,243
Domestic [2]	320,641	300,286	303,321	320,733	339,893	359,890	352,238	372,971
Commercial	77,100	73,781	79,153	88,115	96,759	103,220	100,743	109,314
Industrial [3]	436,269	488,321	593,667	644,958	779,278	851,797	757,875	845,958
Total revenue from consumers	342,651	329,889	347,067	376,388	412,444	443,408	415,756	448,850
Domestic [2]	228,063	213,496	213,619	225,445	237,210	248,175	242,178	255,805
Commercial	38,995	37,165	38,376	42,314	46,463	48,642	47,147	50,362
Industrial [3]	75,593	79,228	95,072	108,629	128,771	146,591	126,431	142,692

[1] Including data for the miscellaneous group not separately shown. [2] Including house heating.
[3] Including data for electric generation.

Source of tables 799 and 800: American Gas Association, Annual Statistics of the Manufactured-Gas and Natural-Gas Industries, Statistical Bulletins Nos. 40 and 41.

No. 801.—Gas Prices—Monthly Prices of Specified Quantities, by Cities

[Based on rate as of Dec. 15, 1939]

City	Kind of gas [1]	Heating value per cubic foot in British thermal units	Equipment and average monthly consumption for 5-room house: Range, 10.6 therms [2]		Range and manual water heater, 19.6 therms [2]		Range and automatic [3] water heater, 30.6 therms [2]		Range, automatic [3] water heater, and refrigerator, 40.6 therms [2]	
			Monthly bill	Price per therm	Monthly bill	Price per therm	Monthly bill	Price per therm	Monthly bill	Price per therm
			Dollars	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*
Atlanta	N	980	1.78	16.8	2.70	13.8	3.77	12.3	4.38	10.8
Baltimore	M	500	1.80	17.0	3.33	17.0	4.78	15.6	6.08	15.0
Birmingham	M	520	1.63	15.4	3.02	15.4	4.70	15.4	6.25	15.4
Boston	M	535	2.78	26.2	4.13	21.1	5.78	18.9	7.27	17.9
	M	535	2.28	21.5	4.21	21.5	5.63	18.4	7.12	17.5
Buffalo	X	900	.77	7.2	1.42	7.2	2.21	7.2	2.93	7.2
Butte	N	850	1.11	10.5	1.59	8.1	2.17	7.1	2.70	6.7
Charleston, S. C.:										
Immediate	M	550	2.70	25.5	4.98	25.5	7.19	23.5	9.01	22.2
Objective [4]	M	550	(5)	(5)	4.42	22.6	5.92	19.3	7.28	17.9
Chicago	X	800	2.26	21.3	3.65	18.6	5.01	16.4	5.71	14.1
Cincinnati	X	930	.85	8.0	1.52	7.8	2.29	7.5	2.97	7.3
Cleveland	N	1,100	1.11	10.5	1.56	8.0	2.11	6.9	2.61	6.4
Columbus	N	1,050	[6] .75	7.1	1.03	5.2	1.60	5.2	2.13	5.2
	N	1,050	[6] .75	7.1	.90	4.6	1.40	4.6	1.86	4.6
Dallas	N	1,050	1.26	11.9	1.84	9.4	2.54	8.3	3.19	7.9
Denver [7]	N	825	2.18	20.6	3.35	17.1	4.20	13.7	4.84	11.9
Detroit: [8]										
Immediate	N	1,014	1.71	16.1	3.16	16.1	4.93	16.1	6.55	16.1
Promotional [4]	N	1,014	1.55	14.6	2.51	12.8	3.68	12.0	4.75	11.7
Fall River	M	528	2.53	23.9	4.06	20.7	5.94	19.4	7.64	18.8
Houston	N	1,066	1.14	10.8	1.70	8.7	2.37	7.7	2.98	7.3
Indianapolis	M	570	1.58	14.9	2.92	14.9	4.57	14.9	6.05	14.9
Jacksonville	M	535	3.97	37.5	5.73	29.3	7.59	24.8	9.27	22.8
Kansas City [7]	N	1,040	1.33	12.6	2.12	10.8	3.05	10.0	3.88	9.6
Little Rock [7]	N	1,000	1.11	10.4	1.61	8.2	2.23	7.3	2.79	6.9
Los Angeles	N	1,100	1.20	11.3	1.69	8.6	2.25	7.4	2.76	6.8
Louisville [8]	X	900	.98	9.2	1.58	8.0	2.20	7.2	2.78	6.8
Manchester	M	525	2.85	26.8	4.82	24.6	5.67	18.5	6.92	17.0
Memphis	N	980	1.51	14.3	2.48	12.7	3.60	11.8	4.21	10.4
Milwaukee	M	520	1.76	16.6	2.89	14.7	4.26	13.9	5.51	13.6
Minneapolis	X	800	1.92	18.1	3.01	15.4	4.34	14.2	5.50	13.5
Mobile: Present	N	970	2.24	21.1	3.40	17.3	4.72	15.4	5.40	13.3
Objective [4]	N	970	2.04	19.2	2.97	15.2	4.04	13.2	4.66	11.5
Newark	M	525	2.69	25.4	4.31	22.0	6.06	19.8	7.20	18.0
New Haven	M	528	2.41	22.7	4.11	21.0	6.20	20.3	8.09	19.9
New Orleans	N	950	1.26	11.9	2.10	10.7	3.15	10.3	4.09	10.1
New York: [8]										
Bronx, Manhattan, and Queens	M	540	2.32	21.9	4.30	21.9	6.72	21.9	8.91	21.9
Brooklyn	M	540	2.36	22.3	3.83	19.6	5.30	17.3	6.48	16.0
	M	540	2.46	23.2	4.09	20.9	6.09	19.9	7.90	19.5
	M	540	2.61	24.6	4.28	21.8	5.96	19.5	7.19	17.7
Richmond	M	540	3.14	29.6	5.15	26.3	7.15	23.3	8.95	22.1
Norfolk	M	530	2.40	22.6	4.36	22.2	6.62	21.6	8.51	21.0
Omaha	M	555	1.46	13.7	2.27	11.6	3.26	10.6	4.16	10.2
Peoria	N	1,000	2.12	20.0	3.64	18.6	4.67	15.3	5.57	13.7
Philadelphia	M	530	1.80	17.0	3.25	16.6	5.00	16.4	6.61	16.3
Pittsburgh [9]	N	1,100	[6] 1.00	9.4	1.07	5.4	1.67	5.4	2.21	5.4
	N	1,115	[6] 1.00	9.4	1.06	5.4	1.64	5.4	2.18	5.4
Portland, Maine	M	525	3.03	28.5	5.16	26.3	6.51	21.3	8.03	19.8
Portland, Oregon	M	570	2.34	22.0	3.98	20.3	5.33	17.4	6.61	16.3
Providence	M	510	2.57	24.3	4.16	21.2	6.10	19.9	7.86	19.4
Richmond	M	525	2.63	24.8	4.78	24.4	6.05	19.8	7.76	19.1
Rochester	M	537	1.97	18.6	3.65	18.6	5.56	18.2	7.05	17.4
St. Louis [7]	X	800	2.04	19.3	3.20	16.3	4.38	14.3	5.45	13.4
St. Paul	M	550	1.98	18.7	3.16	16.1	4.59	15.0	5.87	14.5
Salt Lake City [7]	N	865	2.12	20.0	3.27	16.7	4.16	13.6	4.86	12.0
San Francisco	N	1,150	1.18	11.2	1.65	8.4	2.22	7.2	2.68	6.6
Savannah	M	535	2.48	23.3	4.58	23.3	7.15	23.3	9.49	23.3
Scranton	M	520	2.89	27.2	4.57	23.3	5.77	18.8	7.60	18.7
Seattle	M	500	3.10	29.2	5.36	27.3	5.32	17.4	6.45	15.9
Springfield, Ill	N	1,000	1.91	18.0	3.36	17.1	4.47	14.6	5.37	13.2
Washington	X	604	1.51	14.2	2.69	13.7	3.96	12.9	5.06	12.5

[1] M, manufactured; N, natural; X, mixed.
[2] 1 therm equals 100,000 British thermal units.
[3] Automatic storage or instantaneous water heater.
[4] Rate designed to encourage greater use of gas.
[5] The "Objective" rate is not applicable for customers using 10.6 therms for the reason that the bill would be higher than that computed under the "Immediate" rate.
[6] Minimum charge.
[7] Prices include 2-percent sales tax.
[8] Prices include 3-percent sales tax.
[9] Reports from 2 companies with identical rates.

Source: Dept. of Labor, Bur. of Labor Statistics; published in Retail Prices, Dec., 1939.

No. 802.—Petroleum, Crude—Production: 1861 to 1939

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	1910	209,557	127,900	1925	763,743	1,284,960
1866–1870	4,013	15,795	1911	220,449	134,045	1926	770,874	1,447,760
1871–1875	8,221	16,430	1912	222,935	164,213	1927	901,129	1,172,880
1876–1880	16,816	22,926	1913	248,446	237,121	1928	901,474	1,054,880
1881–1885	25,508	22,933	1914	265,763	214,125	1929	1,007,323	1,280,417
1886–1890	32,990	23,830	1915	281,104	179,463	1930	898,011	1,070,200
1891–1895	51,095	35,708	1916	300,767	330,900	1931	851,081	550,630
1896–1900	59,498	56,836	1917	335,316	522,635	1932	785,159	680,460
1901–1905	102,083	83,524	1918	355,928	703,944	1933	905,656	908,000
1906–1910	172,769	119,572	1919	378,367	760,206	1934	908,065	904,825
1911–1915	247,739	185,793	1920	442,929	1,360,745	1935	996,596	961,440
1916–1920	362,661	735,698	1921	472,183	814,745	1936	1,099,687	1,199,820
1921–1925	647,961	999,186	1922	557,531	895,111	1937	1,279,160	1,513,340
1926–1930	895,762	1,205,217	1923	732,407	978,430	1938	1,214,355	1,373,060
1931–1935	889,311	741,071	1924	713,940	1,022,683	1939 (prel.)	1,264,256	[1] 1,265,000

[1] Estimated.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 803.—Petroleum, Crude and Refined—Production, Imports, Exports, and Bunker Oil Laden on Vessels in Foreign Trade: 1871 to 1939

Note.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils. General imports through 1933; imports for consumption thereafter

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 oil	Refined oils	
1871–1880	12,519	(1)	(1)	528	6,020	(1)	(1)	(1)	2.4	37.7	(1)
1881–1890	20,249	(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	1,396	5,413	58,896	11,681	26.5	5.0	14.1	323.7	24.2
1921–1925	647,961	94,857	12,545	13,330	76,455	36,501	68.0	22.2	22.5	363.6	55.9
1926–1930	895,762	67,919	23,779	20,062	119,700	50,198	78.6	51.8	30.2	464.7	62.3
1931–1935	889,311	38,395	23,902	36,413	[3] 70,892	34,868	27.3	22.3	38.2	[3] 164.3	31.3
1923	732,407	82,015	17,592	17,061	77,893	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	115,390	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	1,007,323	78,933	29,632	20,394	126,377	52,278	79.9	61.0	37.8	493.4	54.7
1930	898,011	62,129	43,381	23,704	122,167	50,773	64.9	78.7	32.2	438.2	53.6
1931	851,081	47,250	38,702	25,535	91,009	43,714	39.2	52.1	20.8	232.3	38.8
1932	785,159	44,700	30,228	27,391	[3] 69,348	38,152	30.4	29.2	27.1	[3] 168.1	29.4
1933	905,656	31,908	13,257	36,584	[3] 61,419	32,272	17.7	7.1	32.0	[3] 161.3	27.1
1934	908,065	35,772	14,952	41,127	[3] 64,750	29,899	25.9	9.6	49.8	[3] 159.5	31.3
1935	996,596	32,345	22,369	51,430	[3] 67,932	30,304	23.4	13.5	61.2	[3] 169.9	29.9
1936	1,099,687	32,957	25,460	50,313	[3] 71,402	33,407	23.2	16.5	66.1	[3] 179.0	34.3
1937	1,279,160	27,310	33,038	67,127	[3] 93,464	37,688	20.8	22.4	98.4	[3] 253.4	43.5
1938	1,214,355	26,048	27,891	77,254	[3] 102,124	36,059	18.6	19.7	111.6	[3] 249.6	37.8
1939 (prel.)	1,264,256	34,106	27,350	72,064	[3] 103,527	37,036	23.3	18.7	92.8	[3] 263.1	39.0

[1] Data are not available. [2] Average for years 1908–10 for total mineral oils.

[3] Not including natural gasoline (308,000 barrels valued at $533,000 in 1932, 1,657,000 barrels at $3,395,000 in 1933, 1,495,000 barrels at $2,729,000 in 1934, 1,645,000 barrels at $3,335,000 in 1935, 1,904,000 barrels at $4,227,000 in 1936, 3,738,000 barrels at $9,465,000 in 1937, 6,114,000 barrels at $13,059,000 in 1938, and 4,111,000 barrels at $8,739,000 in 1939), included with refined oils prior to 1932.

Sources: Production, Dept. of the Interior, Bur. of Mines; Minerals Yearbook. Imports and exports, Dept. of Commerce, Bur. of Foreign and Domestic Commerce; annual report, Foreign Commerce and Navigation of the U. S. Also published currently in Monthly Summary of Foreign Commerce of the U. S.

No. 804.—Petroleum, Crude—World Production; United States Production by Regions and States: 1911 to 1939

[In thousands of barrels of 42 gallons]

SECTION	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926–1930 (average)	1931–1935 (average)	1936	1937	1938	1939 (preliminary)
World total [1]	384,345	541,733	944,777	1,316,390	1,460,372	1,804,925	2,041,715	1,937,723	2,076,772
United States [2]	247,739	362,661	647,961	895,762	889,311	1,099,687	1,279,160	1,214,355	1,264,256
Percent of total	*64.5*	*66.9*	*68.6*	*68.0*	*60.9*	*60.9*	*62.7*	*61.1*	*60.9*
Regions:									
Appalachian	24,594	27,161	28,504	31,603	30,079	34,322	36,964	34,731	34,209
Lima—N. E. Ind.[3]—Mich.	5,052	3,468	2,298	3,603	10,050	12,706	17,272	19,352	23,401
Illinois—S. W. Indiana [3]	24,955	13,918	9,585	7,495	5,326	5,277	8,325	25,046	95,725
Mid-continent	87,656	184,616	343,545	527,944	566,251	669,538	774,369	677,521	666,556
Gulf	12,357	24,273	33,688	54,140	75,401	140,562	176,743	182,217	190,909
Rocky Mountain	2,605	11,830	35,258	29,468	17,984	22,509	26,966	25,739	29,102
California	90,512	97,384	195,074	241,509	184,221	214,773	238,521	249,749	224,354
States:									
Arkansas			36,644	35,010	12,144	10,469	11,764	18,180	21,143
California	90,512	97,384	195,074	241,509	184,221	214,773	238,521	249,749	224,354
Colorado	211	139	392	2,477	1,260	1,650	1,605	1,412	1,301
Illinois	24,955	13,918	8,815	6,654	4,551	4,475	7,499	24,075	94,302
Indiana	1,167	865	1,011	937	800	822	844	995	1,443
Kansas	2,235	32,556	32,733	41,123	43,033	58,317	70,761	60,064	60,723
Kentucky	484	5,335	8,044	7,103	5,494	5,633	5,484	5,821	5,581
Louisiana	12,997	19,117	25,759	22,338	30,306	80,491	90,924	95,208	93,869
Michigan			1	1,913	9,004	11,928	16,628	18,745	22,799
Montana		129	2,729	4,826	3,153	5,868	5,805	4,946	5,961
New Mexico [4]			[5] 554	3,171	15,829	27,223	38,854	35,759	37,323
New York	920	804	1,274	2,765	3,618	4,663	5,478	5,045	5,098
Ohio	8,586	7,583	7,045	7,022	4,504	3,847	3,559	3,298	3,156
Oklahoma	68,624	102,209	155,088	235,663	176,293	206,555	228,839	174,994	160,072
Pennsylvania	8,002	7,662	7,607	10,613	13,443	17,070	19,189	17,426	17,337
Texas	16,256	55,008	127,009	245,792	364,341	427,411	510,318	475,850	484,527
West Virginia	10,487	8,311	6,575	5,655	4,032	3,847	3,845	3,684	3,580
Wyoming	2,394	11,562	31,901	21,145	13,158	14,582	19,166	19,022	21,417

[1] Estimated. [2] Includes for certain years small quantities not distributed by regions and States.
[3] Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
[4] Not shown separately prior to 1924. [5] Average for years 1924 and 1925.

No. 805.—Petroleum and Petroleum Products—Stocks on December 31: 1920 to 1939

[In thousands of barrels of 42 gallons]

	1920	1925	1930	1935	1937	1938	1939
Crude petroleum, total [1]	149,448	345,863	408,809 [2] 411,882	314,855	306,826 [2] 320,338	291,425 [2] 290,027	252,240
Gasoline bearing:							
At refineries [3]	28,703	[4] 29,607	[4] 41,136	47,533	51,041	51,551	49,215
Pipe line and tank farm [5]	117,159	[4] 308,696	[4] 361,065 [2] [4] 364,138	256,793	244,545 [2] 243,552	211,931 [2] 211,138	178,546
Producers' [5]	3,586	7,560	6,608	10,529	11,240	11,476 [3] 10,871	11,149
Nongasoline bearing (Calif. heavy crude) [1]	(6)	(6)	(6)	(6)	[2] 14,505	16,467	13,330
Natural gasoline	(6)	[7] 326	2,377 [2] 3,100	3,698	4,758	4,830	4,421
Refined products, total [1] [8]	60,397	206,275	254,311 [2] 251,680	223,361	253,413 [2] 239,901	259,665 [2] 259,613	256,249
Gasoline	11,009	38,918	40,541 [2] 40,098	50,647	69,892	65,949	77,301
Kerosene	9,359	7,121	6,883	7,915	7,083	7,799	7,576
Gas oil and fuel oil [1]	19,938	110,464	140,428 [2] 137,790	103,984	117,585 [2] 104,073	125,619	114,148
Lubricants	3,822	7,253	10,971	7,025	7,512	7,695	7,142
Grand total stocks all oils	209,845	552,464	665,497 [2] 666,662	541,914	564,997	555,920 [2] 554,470	512,910

[1] California heavy crude and fuel oil included in refined products as residual fuel oil, 1925 through 1937.
[2] For comparison with succeeding year. [3] Includes foreign crude held by importers.
[4] Refinery stocks in California included in pipe-line and tank-farm stocks.
[5] Producers' stocks in California included in pipe-line and tank-farm stocks prior to 1933.
[6] Not available. [7] At plants only. [8] Includes wax, coke, and asphalt.

Source of tables 804 and 805: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 806.—Oils, Crude and Refined—Supply and Demand: 1933 to 1939

[In thousands of barrels of 42 gallons]

	1933	1934	1935	1936	1937	1938	1939 (pre.)
Total new supply of all oils	966,228	996,823	1,090,435	1,202,063	1,383,284	1,321,774	1,375,491
Domestic production, total	940,834	946,329	1,037,800	1,144,959	1,331,127	1,267,466	1,316,592
Crude petroleum	905,656	908,065	996,590	1,099,687	1,279,160	1,214,355	1,264,256
Natural gasoline	33,310	36,556	39,333	42,770	49,177	51,347	49,896
Benzol	1,368	1,708	1,871	2,502	2,790	1,764	2,440
Imports—							
Crude	31,893	35,558	32,239	32,327	27,484	26,412	33,095
Refined [1]	13,501	14,936	20,396	24,777	29,673	27,896	25,804
Change in stocks [2]	+11,013	−37,848	−22,238	−22,685	+45,768	−9,077	−42,276
Total demand	975,215	1,034,671	1,112,673	1,224,748	1,342,516	1,330,851	1,417,767
Exports [3]—							
Crude	36,584	41,127	51,430	50,313	67,234	77,254	72,073
Refined [1]	70,143	73,380	77,557	81,681	105,600	116,474	116,909
Domestic [4]	868,488	920,164	983,686	1,092,754	1,169,682	1,137,123	1,228,785

[1] Includes wax, coke, asphalt, and residuum in barrels. Data from Bur. of Foreign and Domestic Commerce.
[2] Data include crude petroleum, refined products, and natural gasoline.
[3] Includes shipments to noncontiguous territories. Data from Bur. of Foreign and Domestic Commerce.
[4] Includes bunker oil put on vessels engaged in foreign trade.

Source: Department of the Interior, Bureau of Mines, except as noted; Minerals Yearbook.

No. 807.—Petroleum Products—Production, by Kind: 1933, 1935, and 1937

Products	Quantity (thousands of gallons unless otherwise specified)			Value (thousands of dollars)		
	1933 [1]	1935	1937	1933 [1]	1935	1937
Refinery products, total value				1,359,968	1,830,394	2,537,061
Gasoline	16,094,531	18,505,867	22,020,325	759,183	1,023,578	1,447,688
Naphtha	228,516	216,906	281,391	12,251	13,223	19,381
Illuminating oils	1,949,863	2,194,731	2,508,045	78,128	94,179	123,681
Fuel oils	13,295,107	15,905,206	19,243,714	253,237	359,437	512,904
Distillates	1,598,816	1,782,051	2,997,561	49,648	60,983	122,187
Gas oils	1,977,443	2,709,138	3,153,937	53,031	85,550	110,428
Residual fuel oils	9,718,848	11,414,016	13,092,216	149,558	212,905	280,289
Partially refined oils sold for re-running	1,130,068	1,042,276	1,147,454	23,734	31,668	38,726
Above fuel oil	760,697	737,007	838,758			
Fuel oil	345,215	276,557	247,723	(2)	(2)	(2)
Below fuel oil	24,156	28,712	60,973			
Lubricating oils [3]	1,047,212	1,274,384	1,517,103	142,444	186,534	245,666
Black, cylinder, red, neutral, pale, and paraffin	650,475	777,072	970,593	74,178	104,986	133,986
All other lubricating oils, including compounded (except cylinder) oils	396,736	497,313	546,510	68,266	81,547	111,681
Liquid asphaltic road oils	300,243	406,968	481,135	8,343	13,346	16,418
Residuum or tar	64,977	88,526	20,421	1,271	1,696	853
Greases	41,923	49,919	61,926	9,251	12,740	17,216
Petrolatum, mineral jelly, etc.	14,711	18,327	23,083	1,855	2,608	3,932
Lubricating greases, including axle grease [3]	27,212	31,591	38,843	7,396	10,132	13,284
Paraffin wax	72,852	76,495	90,608	12,211	14,447	19,213
Acid oil	85,627	94,258	57,633	1,015	1,219	1,016
Asphalt other than liquid asphalt [4]	1,790	2,154	2,971	17,932	23,238	31,352
Petroleum coke [4]	1,751	1,444	1,327	5,582	5,765	5,048
Other refinery products, value				35,388	49,340	57,898

[1] Data incomplete; see third paragraph of general note, p. 802.
[2] No data.
[3] Production in petroleum refineries only.
[4] Thousands of tons of 2,000 pounds.

Source: Dept. of Commerce, Bur. of the Census; reports of Biennial Census of Manufactures.

No. 808.—Petroleum and Natural Gasoline—Amounts Run to Stills; Refinery Production, Stocks, Exports, and Apparent Consumption of Products: 1918 to 1939

Note.—Stocks are those in refiners' hands only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for the several products take into account imports not shown separately

[In thousands of barrels of 42 gallons, except as indicated]

ITEM	1918	1920	1925	1930	1935	1937	1938	1939 (prel.)
Crude oil run to stills	326,025	433,915	739,920	927,447	955,790	1,183,440	1,165,015	1,237,840
Domestic	324,618	372,779	698,582	866,615	933,659	1,157,444	1,138,828	1,204,350
Foreign	1,407	61,136	41,338	60,832	32,131	25,996	26,187	33,490
Natural gasoline run to stills or blended at refineries	2,451	3,153	[1] 19,636	[1] 43,170	[1] 31,025	[1] 39,381	[1] 39,961	[1] 40,320
Stocks of crude oil, end of year	15,750	21,261	[2] 29,200	[2] 41,136	47,533	51,041	51,551	49,215
Motor fuel:								
Production	86,280	118,022	262,252	440,728	468,021	571,727	569,162	607,941
Exports (gasoline, natural gasoline, and benzol)	13,650	15,678	31,684	65,575	30,613	38,306	50,109	44,559
Stocks, end of year	7,080	11,009	38,918	40,098	[3] 54,345	[3] 74,050	[3] 70,779	[3] 81,722
Apparent consumption	75,672	102,937	226,329	394,800	434,810	519,352	523,003	552,557
Kerosene:								
Production	43,401	55,240	59,689	49,208	55,813	65,308	64,580	68,521
Exports	11,820	20,878	21,212	16,884	6,651	8,886	7,504	8,243
Stocks, end of year	9,050	9,359	7,121	6,883	7,915	7,083	7,799	7,576
Apparent consumption	34,442	33,082	39,969	34,736	47,645	54,972	56,360	60,501
Gas oil and fuel oils:								
Production	174,319	210,987	364,991	372,498	360,061	458,770	446,664	468,566
Exports	29,637	22,080	36,088	36,450	28,948	45,433	47,561	49,511
Stocks, end of year	15,691	19,938	[2] 24,681	[4]137,790	[4] 103,984	[4]117,585 [5]104,073	125,610 [5]138,195	126,008
Apparent consumption					366,723	442,355	409,282	[6]459,754
Lubricants:								
Production	20,035	24,938	31,055	34,201	27,853	35,321	30,826	35,036
Exports	6,165	9,643	9,678	9,935	8,499	10,975	9,417	11,981
Stocks, end of year	3,306	3,822	7,253	10,971	7,025	7,512	7,695	7,142
Apparent consumption	13,823	14,742	20,581	21,589	19,661	23,323	21,233	23,613
Wax—production, 1,000 lbs	505,144	541,204	590,577	547,680	450,240	521,640	435,400	464,520
Stocks, end of year, do	199,658	195,308	116,391	232,592	114,675	144,992	129,340	75,648
Coke—production, 1,000 tons [7]	560	577	991	1,940	1,458	1,307	1,602	1,666
Stocks, end of year, do	23	32	238	1,069	389	379	708	666
Asphalt—production, 1,000 tons [7]	608	1,291	2,677	3,308	3,115	4,182	4,341	4,954
Stocks, end of year, do	77	81	159	308	430	557	490	550
Other finished products			8,044	13,179	[8] 59,102	[8] 74,687	[8] 75,354	[8] 77,206
Losses	14,557	18,743	22,914	37,003	[8] 11,493	[8] 6,256	[8] 4,242	[8] 7,345

[1] Includes natural gasoline run through pipe lines in California. [2] Stocks east of California only
[3] Includes terminal, transit, and natural gasoline stocks. [4] Including California heavy crude.
[5] For comparison with succeeding year.
[6] New basis; considers transfers of light grades of crude petroleum to the gas-oil and fuel-oil account, and also changes in bulk-terminal stocks, in refinery districts east of California. [7] Of 2,000 pounds.
[8] Other finished products include still gas formerly reported also with losses.

No. 809.—Petroleum and Natural Gasoline—Amounts Run to Stills, 1938 and 1939, and Refinery Products, 1939, 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, 1939 [1]				
	1938	1939 [1]	1938	1939 [1]	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	1,165,015	1,237,840	39,961	40,320	595,925	68,521	468,568	35,036	464,520
East coast	180,606	192,381	1,198	2,140	78,625	9,120	86,030	9,055	189,840
Appalachian	39,180	43,767	269	297	21,805	2,847	8,283	6,128	97,160
Indiana, Illinois, Kentucky, etc	163,140	191,634	4,488	4,516	109,447	8,476	47,925	3,111	38,080
Oklahoma, Kansas, and Missouri	111,143	112,409	5,772	5,112	65,494	7,073	29,824	3,100	31,920
Texas	374,829	399,233	12,688	12,304	196,631	26,201	150,425	8,675	73,920
Louisiana and Arkansas	70,902	73,456	1,119	863	29,083	9,368	27,537	2,042	22,400
Rocky Mountain	24,791	26,306	803	711	15,066	782	7,537	180	11,200
California	200,334	198,654	[2]13,624	[2]14,377	79,774	4,654	111,005	2,745	

[1] Preliminary. [2] Includes 1,349,000 barrels run through pipe lines in 1938 and 1,147,000 barrels in 1939.

Source of tables 808 and 809: Dept. of the Interior, Bur. of Mines; Minerals Yearbook.

No. 810.—Petroleum Pipe Lines—Summary: 1921 to 1939

[All figures, except miles of line operated, in thousands of dollars]

YEAR	Miles of line operated	Investment in pipe lines	Other investments	Pipe-line operating revenues	Pipe-line operating expenses	Pipe-line operating income	Net income
1921	55,260	365,024	287,114	115,950	62,370	25,530	34,400
1925	70,009	511,088	93,896	164,645	80,232	70,966	88,495
1930	88,727	772,711	96,184	237,910	99,363	121,816	123,741
1931	93,090	845,050	90,505	222,944	96,237	116,767	120,738
1932	92,783	763,042	41,754	211,789	86,003	110,019	112,362
1933	93,724	766,251	47,947	217,192	85,374	107,811	105,943
1934	93,070	758,172	57,275	199,166	86,884	84,865	84,143
1935	92,037	763,009	119,071	197,368	89,364	79,886	78,249
1936	94,060	773,743	77,239	219,057	92,899	94,491	91,742
1937	*96,611*	*802,946*	*87,389*	248,198	*99,641*	*109,994*	*102,720*
1938	95,775	807,657	70,666	228,211	98,756	95,128	80,346
1939	98,681	829,646	65,124	212,466	97,130	83,401	74,611

Source: Records of Interstate Commerce Commission.

No. 811.—Petroleum and Petroleum Products—Prices, 1921 to 1939, and by Months, 1939

Note.—Prices of crude and fuel oil in dollars per barrel of 42 gallons; others in cents per gallon. All prices are weighted averages compiled by Joseph E. Pogue

YEAR	Crude[1]	Gasoline[2]	Kerosene[3]	Fuel oil[4]	Lubricating oil[5]	MONTH, 1939	Crude[1]	Gasoline[2]	Kerosene[3]	Fuel oil[4]	Lubricating oil[5]
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1921	1.86	------	12.9	1.30	------	January	1.13	9.3	9.1	0.87	12.8
1925	1.96	19.9	12.3	1.46	24.3	February	1.16	9.2	9.1	.88	13.0
1930	1.39	16.4	12.1	.78	19.8	March	1.18	9.2	9.0	.90	13.2
1931	.91	12.9	10.3	.57	14.7	April	1.18	9.2	8.9	.92	13.4
1932	1.02	13.2	9.4	.62	14.5	May	1.18	9.8	8.9	.92	13.4
1933	.87	12.8	9.2	.67	14.7	June	1.16	9.6	8.9	.93	13.5
1934	1.21	13.5	9.5	.84	18.5	July	1.16	9.6	8.9	.93	13.4
1935	1.17	13.4	8.9	.89	14.4	August	1.14	9.6	8.9	.94	13.6
1936	1.30	13.9	9.0	.92	16.3	September	1.13	9.7	8.9	.96	16.9
1937	1.39	10.5	9.5	1.05	17.7	October	1.18	9.8	9.0	.99	21.6
1938	1.25	9.9	9.5	.91	12.9	November	1.22	9.7	9.1	.99	22.4
1939	1.17	9.5	9.0	.94	15.8	December	1.24	9.6	9.2	.99	22.7

[1] Average for 5 important grades at wells.
[2] Average based on sales in 50 cities (exclusive of all taxes). Prior to 1937, service-station prices; thereafter, tank-wagon prices.
[3] Average for 5 markets.
[4] Prior to 1938, average of 5 refining-location prices; thereafter, 4.
[5] Average of 6 grades at refineries.

No. 812.—Oil Wells, Number and Production, 1937 and 1938, and Number of Oil and Gas Wells Drilled, 1938 and 1939, by States

STATE	PRODUCING OIL WELLS				WELLS DRILLED[1]					
	Approximate number, Dec. 31		Average production per well per day (barrels)		Oil		Gas		Dry	
	1937	*1938*	*1937*	*1938*	*1938*	*1939*	*1938*	*1939*	*1938*	*1939*
Total	**363,030**	**369,640**	**9.8**	**9.1**	**18,433**	**17,485**	**2,236**	**2,145**	**6,043**	**6,357**
Arkansas	2,670	2,800	12.1	18.2	204	183	3	6	44	65
California[2]	13,460	13,930	50.9	50.0	993	852	7	15	265	251
Colorado	200	200	21.4	19.3	7	7	1	1	10	17
Illinois	14,110	15,800	1.5	4.4	1,806	2,943	23	18	408	621
Indiana	1,240	1,260	1.9	2.2	46	176	43	44	69	156
Kansas	21,850	20,900	9.3	7.7	1,108	977	200	150	402	309
Kentucky	13,700	13,900	1.1	1.2	484	275	91	110	314	312
Louisiana	4,160	4,900	62.6	57.6	690	871	126	98	331	403
Michigan	1,780	2,140	29.0	26.2	566	813	28	52	406	527
Montana	1,600	1,620	10.4	8.4	69	114	21	26	27	37
New Mexico	1,920	2,400	67.2	45.4	494	525	19	18	67	63
New York	19,900	20,150	.8	.7	(3)	(3)	(3)	(3)	(3)	(3)
Ohio	28,500	27,000	.3	.3	189	216	433	497	288	319
Oklahoma	55,900	54,400	11.3	8.7	936	1,045	160	151	545	603
Pennsylvania	82,800	81,500	.6	.6	[4] 1,690	[4] 1,586	[4] 166	[4] 200	[4] 95	[4] 148
Texas	77,360	85,600	19.4	16.0	8,892	6,683	341	314	2,577	2,328
West Virginia	18,400	17,700	.6	.6	114	110	484	419	126	90
Wyoming	3,350	3,300	15.5	15.7	95	99	10	10	43	41
Other States	130	140	------	------	------	10	71	16	26	67

[1] Figures, except for California, from Oil and Gas Journal.
[2] From American Petroleum Institute.
[3] Included in Pennsylvania.
[4] Includes New York.

Source: Dept. of the Interior, Bur. of Mines; Minerals Yearbook, except as noted.

No. 813.—Asphalt—Supply, Distribution, and Value: 1933 to 1939

	1933	1934	1935	1936	1937	1938	1939
Total supply (1,000 tons of 2,000 pounds)	3,090	3,573	4,028	5,098	5,301	5,575	5,979
Native asphalt and related bitumens:							
Produced	313	441	347	581	485	478	460
Imported (chiefly lake asphalt)	22	16	54	22	29	24	27
Petroleum asphalt (excluding road oil):							
Produced at refineries from—							
Domestic petroleum	1,237	1,445	1,802	2,327	2,804	3,069	4,954
Foreign petroleum	1,219	1,396	1,485	1,738	1,556	1,438	
Imported					63	10	47
Stocks, Jan. 1	299	276	339	430	364	557	490
Total distribution (1,000 tons of 2,000 pounds)	3,090	3,573	4,028	5,098	5,301	5,575	5,979
Native asphalt and related bitumens:							
Indicated domestic demand	299	426	328	567	467	464	446
Exports (unmanufactured)	14	15	19	14	19	14	14
Petroleum asphalt (excluding road oil):							
Indicated domestic demand (incl. lake asphalt)	2,296	2,569	3,028	3,962	4,049	4,405	4,769
Exports	204	224	223	191	209	202	200
Stocks, Dec. 31	276	339	430	364	557	490	550
VALUE (1,000 DOLLARS)							
Native asphalt and related bitumens:							
Sales	1,705	2,366	2,149	3,261	3,019	2,875	3,067
Imports (chiefly lake asphalt)	278	222	545	316	396	378	363
Exports (unmanufactured)	554	581	710	528	720	544	577
Petroleum asphalt (excluding road oil):							
Sales	23,543	29,895	31,355	41,145	42,994	41,381	40,892
Imports					260	39	189
Exports	2,861	3,383	3,371	2,835	3,111	3,030	3,098

No. 814.—Gypsum—Supply, Sales, Imports, and Exports: 1935 to 1939

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

	1935	1936	1937	1938	1939
Crude gypsum:					
Mined	1,904	2,713	3,058	2,684	3,227
Imported	450	677	897	789	1,308
Apparent supply	2,354	3,390	[1] 3,956	[1] 3,474	[1] 4,535
Calcined gypsum produced:					
Short tons	1,383	(2)	[3] 2,411	[3] 2,253	[3] 2,881
Value	(2)	(2)	[3]11,076	[3]10,990	[3] 14,621
Gypsum products sold: [4]					
Uncalcined:					
Short tons	595	831	[3] 861	[3] 757	[3] 868
Value	1,329	1,866	[3] 1,921	[3] 1,681	[3] 1,927
Calcined:					
Short tons	1,553	2,210	[3] 2,643	[3] 2,556	[3] 3,224
Value	22,358	31,089	[3] 36,880	[3] 34,575	[3] 44,001
Gypsum and gypsum products:					
Imported for consumption, value	720	892	1,168	1,002	1,365
Exported, value	186	256	271	283	309

[1] To avoid revealing confidential data, by-product gypsum is excluded.
[2] Data not collected.
[3] Includes by-product gypsum.
[4] Gypsum products from domestic and imported crude.

Source of tables 813 and 814: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 815.—Portland Cement—Production, by States; Shipments, Imports, and Stocks: 1910 to 1939

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 816)

State	1910	1920	1925	1930	1935	1937	1938	1939
	Thousands of barrels of 376 pounds							
Production, total	76,550	100,023	161,859	161,197	76,742	118,175	105,357	122,259
Alabama	[1] 1,481	1,132	6,288	4,821	2,493	4,415	4,623	5,038
California	[2] 6,386	7,098	13,098	10,124	7,974	11,954	10,513	10,990
Illinois	4,459	5,539	7,101	7,935	3,368	5,246	3,960	4,649
Iowa	[3] 2,010	4,849	4,648	7,088	3,520	4,706	4,727	4,718
Kansas	5,656	4,341	6,511	6,012	2,337	3,697	3,264	3,739
Michigan	3,688	4,891	10,936	11,511	4,579	8,181	7,159	8,219
Missouri	4,456	6,018	8,332	7,809	3,392	4,756	4,491	4,786
New York	3,296	5,885	8,770	10,373	4,285	5,913	5,808	6,868
Ohio	1,528	1,780	5,715	8,632	3,876	5,700	5,188	5,800
Pennsylvania	26,676	28,269	42,347	37,844	15,502	23,064	20,868	25,106
Tennessee	[4]	[4]	[4]	3,875	2,703	3,081	3,319	3,537
Texas	[5] 2,287	2,562	4,858	6,782	3,787	6,906	6,949	7,337
Other States	14,627	27,659	43,055	38,393	18,925	28,555	24,482	[6] 31,473
Shipments	[7]	96,312	157,295	159,059	75,233	113,805	106,324	122,651
Imports	307	525	3,667	985	619	1,804	1,727	1,914
Stocks at mills (Dec. 31)	[7]	8,833	18,336	25,899	23,065	24,913	23,993	23,601

[1] Includes Georgia and Tennessee.
[2] California includes Washington.
[3] Includes Kentucky and West Virginia.
[4] Included in other States.
[5] Includes Oklahoma.
[6] Includes production of Puerto Rico.
[7] Not available.

No. 816.—Portland Cement—Shipments, by States, and Exports: 1936 to 1939

[In thousands of barrels of 376 pounds]

State	1936	1937	1938	1939	State	1936	1937	1938	1939
Shipped from cement plants	112,850	113,805	106,324	122,651	Shipments to States—Continued.				
Shipments to States	111,967	112,782	105,043	120,649	South Atlantic—Continued.				
New England	4,531	4,999	4,613	6,015	West Virginia	2,061	1,325	1,021	1,395
Maine	373	393	412	416	North Carolina	1,209	1,432	1,649	2,090
New Hampshire	320	345	289	375	South Carolina	610	734	769	934
Vermont	238	295	222	264	Georgia	1,518	1,423	1,324	1,485
Massachusetts	1,000	2,066	1,958	2,607	Florida	1,203	1,365	1,236	1,506
Rhode Island	494	422	372	567	East South Central	5,850	6,827	7,284	7,071
Connecticut	1,206	1,478	1,365	1,787	Kentucky	1,625	1,704	1,984	1,909
Middle Atlantic	21,635	22,182	20,315	23,285	Tennessee	2,055	2,082	1,970	2,213
New York	11,325	11,112	10,824	12,224	Alabama	1,222	1,224	1,311	1,368
New Jersey	3,760	3,858	3,424	4,008	Mississippi	948	1,816	2,020	1,582
Pennsylvania	6,550	7,213	6,068	7,052	West South Central	10,077	10,451	10,859	11,526
East North Central	24,307	24,005	22,445	26,110	Arkansas	646	743	779	841
Ohio	5,414	5,420	5,266	6,309	Louisiana	1,544	1,695	1,908	1,978
Indiana	3,392	3,279	2,837	3,577	Oklahoma	2,416	2,099	1,900	2,166
Illinois	6,981	6,945	6,432	7,664	Texas	5,471	5,914	6,271	6,541
Michigan	5,657	5,360	5,289	5,338	Mountain	5,042	4,749	4,328	4,336
Wisconsin	2,863	3,001	2,620	3,222	Montana	1,488	820	392	470
West North Central	12,978	12,874	11,330	12,529	Idaho	364	471	383	411
Minnesota	2,843	2,553	2,394	2,650	Wyoming	249	395	497	265
Iowa	2,902	3,249	3,227	2,994	Colorado	1,134	1,056	857	1,171
Missouri	3,264	3,132	2,788	3,225	New Mexico	534	825	891	674
North Dakota	320	275	280	284	Arizona	563	571	702	640
South Dakota	399	526	394	462	Utah	509	500	479	562
Nebraska	1,212	1,191	1,102	1,224	Nevada	202	110	128	153
Kansas	2,039	1,950	1,646	1,690	Pacific	16,236	15,498	12,123	16,366
South Atlantic	11,046	11,148	11,222	13,263	Washington	3,781	4,107	2,237	5,074
Delaware	352	292	299	357	Oregon	816	762	669	795
Maryland	1,469	1,842	1,612	1,904	California	11,639	10,629	9,216	9,596
District of Columbia	1,147	1,066	1,005	1,423	Unspecified	267	51	19	149
Virginia	1,477	1,668	2,307	2,163	Exports direct by manufacturers [1]	883	1,022	1,281	2,002

[1] Includes shipments to Alaska, Hawaii, and Puerto Rico.

Source of tables 815 and 816: Dept. of the Interior, Bur. of Mines; Minerals Yearbook.

No. 817.—Cement—Production, by Kind: 1890 to 1939

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	1924	150,777	149,358	1,418	272,345
1895	8,731	990	7,741	5,482	1925	163,388	161,659	1,729	[1] 281,076
1900	17,231	8,482	8,749	13,284					
1905	40,102	35,247	4,855	35,932	1926	166,635	164,530	2,105	[1] 280,786
					1927	175,330	173,207	2,124	[1] 281,736
1910	77,785	76,550	1,235	68,752	1928	178,509	176,299	2,210	[1] 278,883
1912	83,351	82,438	913	67,462	1929	172,856	170,646	2,209	[1] 255,105
1913	92,949	92,097	852	93,001	1930	162,989	161,197	1,792	[1] 231,249
1914	89,050	88,230	820	82,204					
1915	86,708	85,915	794	74,285	1931	126,671	125,429	1,242	[1] 142,580
					1932	77,198	76,741	457	[1] 82,718
1916	92,363	91,521	842	101,379	1933	63,984	63,473	511	[1] 86,229
1917	93,454	92,814	639	126,106	1934	78,419	77,748	672	[1] 117,882
1918	71,515	71,082	433	114,132	1935	77,748	76,742	1,006	[1] 114,810
1919	81,307	80,778	529	138,714					
1920	100,791	100,023	767	203,198	1936	114,460	112,650	1,810	[1] 172,778
1921	99,381	98,842	539	187,708	1937	118,075	116,175	1,901	[1] 171,414
1922	115,679	114,790	889	203,324	1938	107,178	105,357	1,821	[1] 156,703
1923	138,732	137,460	1,272	263,122	1939	124,608	122,259	2,439	[1] 184,255

[1] Value of shipments.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 818.—Stone—Sales, by Kind and by Use: 1933 to 1939

Variety and use	Quantity sold, thousands of short tons (2,000 pounds)[1]							Value, 1,000 dollars	
	1933	1934	1935	1936	1937	1938	1939[2]	1938	1939[2]
Total	70,222	92,064	83,159	131,416	133,143	124,839	147,447	139,255	158,462
Granite	4,422	6,792	6,014	15,442	9,266	10,433	12,041	20,916	22,496
Basalt and related rocks	7,394	11,643	9,672	14,014	13,581	13,909	16,091	12,280	14,164
Sandstone	2,800	3,605	3,010	6,254	5,073	6,314	8,854	8,060	11,746
Marble	225	177	132	166	208	219	228	5,248	6,689
Limestone	45,922	57,502	57,493	87,736	94,577	81,680	100,846	82,287	94,817
All other	9,459	12,345	6,838	7,804	10,438	12,284	9,387	10,458	8,550
Building stone	870	711	830	1,001	1,159	1,006	1,353	11,895	16,008
Monumental	166	187	179	236	249	202	211	7,359	7,266
Paving blocks	60	64	78	75	74	38	[3] 26	463	[3] 246
Curbing	56	79	69	124	98	109	[4] 94	1,217	[4] 1,081
Flagging	14	23	24	44	50	41	65	418	427
Rubble	142	293	279	327	251	370	549	427	525
Riprap	3,255	6,053	4,919	11,319	5,389	6,211	5,812	6,995	5,852
Crushed stone	45,491	60,568	54,755	87,271	88,433	94,763	103,891	88,767	93,958
Furnace flux (limestone and marble)	7,985	9,231	12,192	17,725	21,332	9,703	17,288	6,943	12,632
Refractory stone	501	677	866	1,324	1,525	660	1,492	992	2,044
Manufacturing industries (limestone and marble)	5,638	5,373	5,835	6,596	14,583	11,737	16,666	13,779	18,422
Agricultural limestone and other	6,045	8,804	3,131	5,373					

[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 1939: Building stone (cut stone, slabs, and mill blocks), 9,300,300 cubic feet; monumental stone, 2,571,840 cubic feet; paving blocks, 2,797,550 (number); curbing, 1,175,260 cubic feet; and flagging, 789,410 cubic feet.

[2] Preliminary.

[3] To avoid disclosing confidential information, sandstone paving blocks are included under "curbing."

[4] Includes sandstone paving blocks.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 819.—Glass and Glassware—Production, by Kind: 1931, 1935, and 1937

Note.—Comparable figures not available for 1933. See third paragraph of general note, p. 802

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1931	1935	1937	1931	1935	1937
Total value					211,955	277,627	354,039
Window glass	Sq. ft.	266,772	428,938	616,566	10,307	18,180	31,389
Obscured glass, including cathedral and skylight glass and opalescent sheet glass.	do.	17,796	14,372	27,698	2,389	1,644	3,966
Wire glass, rough and polished	do.	15,664	11,961	21,343	1,800	1,369	2,719
Tableware, pressed and blown					24,263	[1] 34,750	[1] 41,082
Shades, globes, reflectors, etc.					6,590	5,812	9,160
Lenses, except optical lenses	Dozen	[2]	2,045	2,977	1,362	1,876	3,085
Food-product containers [3]	Gross	13,194	14,686	17,059	50,929	54,147	59,740
Beverage containers	do.	[2]	9,114	16,459	15,642	33,064	57,474
Medicinal and toilet preparation containers.	do.	12,765	14,579	18,348	30,280	30,345	36,157
Other glass and glass products [4]					68,392	[1] 96,439	[1] 109,267

[1] Ovenware, previously included with "Tableware," is included with "Other glass and glass products."
[2] Data incomplete or no data. [3] Not including pressed ware (packers' ware) and jelly glasses (home-pack.)
[4] Including polished plate glass.

No. 820.—Clay Products—Production, by Kind: 1933, 1935, and 1937

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1933	1935	1937	1933	1935	1937
CLAY PRODUCTS (OTHER THAN POTTERY)							
Total value					52,772	90,178	159,009
Brick:							
Common	Number	1,019,810	1,811,341	3,252,633	8,816	18,238	34,010
Vitrified [1]	do.	63,111	71,800	84,678	1,224	1,724	2,049
Face	do.	270,323	472,587	937,599	3,807	7,011	14,357
Drain tile	Ton [2]	168	264	444	1,127	2,002	3,589
Sewer pipe	do.	451	670	973	4,911	8,617	13,718
Architectural terra cotta	do.	26	18	29	1,831	1,528	2,915
Hollow building tile or block	do.	608	913	1,654	2,886	5,469	10,767
Tile (not drain):							
Roofing	Squares	103	135	228	911	1,145	2,054
Floor (incl. plain, vitreous, encaustic, quarry, etc.).	Sq. ft.	5,793	7,555	13,246	887	1,084	1,754
Ceramic mosaic (vitreous and semivitreous, unglazed).	do.	4,229	6,416	11,734	699	1,317	2,366
Faience (including art, enameled, and hand-decorated).	do.	8,401	12,625	29,182	2,386	3,862	9,066
Wall (white and bright glazed).[3]	do.	9,930	10,705	10,052	1,552	3,091	2,689
Stove lining	Ton [2]	6	8	12	224	236	310
Fire-clay products (shaped):							
Brick, block, etc.[4]	Number	382,076	494,899	728,406	13,834	20,567	34,940
Special shapes	Ton [2]	107	156	184	2,293	3,265	4,751
All other clay products					5,432	11,021	19,673
POTTERY, INCLUDING PORCELAIN WARE							
Total value					44,024	68,283	97,365
Red earthenware (flower pots, etc.).					1,207	1,795	1,960
Stoneware (except chemical) and yellow and Rockingham ware.					2,222	1,677	1,889
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain.					15,005	22,164	25,711
Hotel china					5,008	7,198	10,018
Vitreous china plumbing fixtures.					7,709	12,969	20,148
Porcelain electrical supplies [5]					7,056	12,504	24,837
Saggers					326	424	587
All other products					5,491	9,551	12,215

[1] Excluding sewer liners. Figure for 1933 includes some brick made for purposes other than paving.
[2] Of 2,000 pounds. [3] Including trim.
[4] Brick, block, or tile for locomotive and other fire-box lining, etc. (9-inch equiv.); and high alumina brick.
[5] Includes value of metal fittings for 1935 and 1937.

Source of tables 819 and 820: Dept. of Commerce, Bur. of the Census; reports of Biennial Census of Manufactures.

No. 821.—Clay Building Materials—Production of Brick, Tile, and Fire-Clay Products: 1915 to 1938

YEAR	BRICK (MILLIONS)			VALUE (THOUSANDS OF DOLLARS)							
				Brick			Architectural terra cotta	Hollow building tile	Tile (other than hollow and drain)	Sewer pipe	Fire-clay products
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face					
1915 [2]	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1920 [2]	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
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	86,692	12,974	39,931	16,446	24,908	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	29,426	38,174
1928	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	25,969	37,392
1929	5,505	368	2,139	58,733	7,504	36,120	13,921	30,142	32,846	21,330	42,376
1930	3,631	300	1,482	37,423	6,247	24,615	10,016	22,219	23,934	15,964	36,054
1931	2,315	207	903	21,652	4,266	13,271	5,492	11,172	19,700	9,448	19,487
1932	1,013	133	384	8,705	2,642	5,273	2,317	4,269	8,108	3,745	9,921
1933	1,020	63	270	8,816	1,224	3,807	1,831	2,836	6,435	4,911	16,127
1934	1,099	114	305	11,419	2,434	4,749	1,128	3,904	6,705	7,913	19,249
1935	1,811	72	473	18,238	1,724	7,011	1,528	5,469	10,500	8,617	23,831
1936	2,967	79	849	30,108	1,868	12,727	2,565	8,913	15,954	12,459	35,101
1937	3,253	85	938	34,010	2,049	14,367	2,915	10,767	17,929	13,718	42,538
1938	2,730	85	803	28,373	2,035	11,812	2,604	8,833	12,931	11,626	23,373

[1] Vitrified brick or plates, excluding sewer liners, for paving and other purposes through 1934; thereafter, for paving only. [2] From Geological Survey.

Source: Dept. of Commerce, Bureau of the Census; annual report, except as noted.

No. 822.—Salt—Production, Exports, and Imports, 1880 to 1939, and Production, by States and by Kind, 1915 to 1939

Note.—All quantity figures in short tons (2,000 pounds). Production figures represent sales plus that used by producers; they include Puerto Rico. Imports are imports for consumption

YEAR	Production	Exports	Imports	YEAR	Production	Exports	Imports
1880	834,548	1,642	509,703	1929	8,543,560	109,222	36,450
1885	985,411	2,108	440,290	1930	8,054,440	70,478	54,021
1890	1,242,779	2,484	257,323	1931	7,358,070	98,710	33,216
1895	1,913,751	3,602	279,576	1932	6,407,973	63,581	28,013
1900	2,921,708	7,511	199,909	1933	7,604,972	105,178	30,132
1905	3,635,257	34,238	161,159	1934	7,612,074	105,365	53,124
1910	4,242,792	49,013	137,103	1935	7,926,897	112,213	51,245
1915	5,352,409	80,474	122,326	1936	8,828,936	76,974	51,041
1920	6,840,029	139,272	137,654	1937	9,241,564	70,111	45,996
1925	7,397,500	155,079	85,788	1938	8,025,768	67,498	39,513
1928	8,074,700	145,396	42,850	1939	9,277,911	124,273	46,033

STATE OR KIND	1915	1920	1925	1930	1935	1938	1939
Production, total	**5,352,409**	**6,840,029**	**7,397,500**	**8,054,440**	**7,926,897**	**8,025,768**	**9,277,911**
By States:							
Michigan	1,762,430	2,202,915	2,172,600	2,558,290	2,128,171	2,078,612	2,408,872
New York	1,570,446	1,903,101	2,053,970	2,009,280	1,927,822	1,717,064	2,041,492
Ohio	823,234	1,057,802	1,173,590	1,311,440	1,487,315	1,489,270	1,794,783
Kansas	527,123	783,655	812,540	759,800	608,204	597,909	641,752
Louisiana	(1)	265,085	500,350	535,250	702,290	958,180	1,072,540
California	146,784	212,008	292,480	350,370	356,222	349,856	404,689
Texas	62,297	91,103	(1)	(1)	208,809	324,449	352,008
Utah	55,279	75,259	88,150	85,240	57,625	61,959	68,100
West Virginia	32,513	29,802	25,870	28,670	65,968	129,568	144,727
Undistributed	372,303	159,299	277,950	416,100	323,771	318,895	348,943
By kinds:							
Manufactured (evaporated)	2,335,823	2,409,924	2,235,170	2,358,610	2,330,042	2,429,100	2,558,577
In brine	1,851,199	2,819,916	2,819,690	3,718,460	3,837,613	3,394,807	4,584,177
Rock salt	1,165,387	1,610,189	2,342,640	1,977,370	1,759,242	1,901,861	2,035,157
Total value [2] (dollars)	**11,747,686**	**29,894,075**	**26,162,361**	**25,009,480**	**21,837,911**	**23,242,561**	**24,603,680**

[1] Included in "Undistributed."
[2] F. o. b. mine or refinery; values do not include cost of cooperage or containers.

Source: Department of the Interior, Bureau of Mines; Minerals Yearbook.

No. 823.—Accidents in Mineral Industries—Number of Men Employed, Killed, and Injured, and Rate: 1924 to 1938

Year	Average days active	Men employed: Actual number	Men employed: Equivalent in 300-day workers	Man-days of employment	Number killed	Number injured[1]	Number killed or injured per thousand 300-day workers: Killed	Number killed or injured per thousand 300-day workers: Injured[1]
1924	220	1,073,630	787,065	236,119,757	3,031	57,766	3.9	201.1
1925	222	1,049,579	777,896	233,368,875	2,826	58,704	3.6	197.2
1926	242	1,058,843	855,632	256,689,813	3,201	52,752	3.7	178.1
1927	225	1,044,537	782,635	234,790,200	2,797	45,618	3.6	163.2
1928	231	951,449	733,728	220,118,341	2,629	38,717	3.6	146.1
1929	243	928,648	752,809	225,842,583	2,728	38,808	3.6	143.1
1930	217	888,514	641,749	192,524,971	2,492	130,580	3.9	203.5
1931	188	784,347	492,009	147,602,799	1,707	96,412	3.5	196.0
1932	165	671,343	368,852	110,655,616	1,368	68,717	3.7	186.3
1933	181	677,722	409,202	122,787,658	1,242	72,342	3.0	176.7
1934	195	739,737	481,807	144,542,133	1,429	81,660	3.0	169.5
1935	195	783,139	507,847	152,354,170	1,495	82,220	3.0	161.9
1936	216	824,514	593,068	177,920,334	1,686	92,644	2.8	156.2
1937	217	859,951	622,634	186,790,283	1,759	96,484	2.8	155.0
1938	187	774,894	483,523	145,056,875	1,369	71,618	2.8	148.1

[1] Excluding those injured in coal mines for years prior to 1930. Figures for 1930 and subsequent years, excluding data for coal mines, are: Number injured—1930, 26,759; 1931, 16,063; 1932, 9,745; 1933, 11,029; 1934, 13,652; 1935, 16,644; 1936, 23,067; 1937, 28,207; 1938, 20,304. Number injured per thousand 300-day workers—1930, 117.0; 1931, 99.7; 1932, 91.6; 1933, 98.6; 1934, 100.9; 1935, 98.3; 1936, 109.8; 1937, 117.7; 1938, 107.3.

Source: Department of the Interior, Bureau of Mines; see annual bulletins listed in source note, table 824.

No. 824.—Accidents in Mineral Industries—Number of Men Employed, Killed, and Injured, by Industry Groups: 1938 and Earlier Years

Year	Number employed: Actual number	Number employed: Equivalent in 300-day workers	Killed	Injured: Temporary	Injured: Permanent
Metal mines:[1]					
1915	152,118	141,997	553	34,686	609
1920	136,583	134,540	425	32,205	357
1925	126,713	123,908	371	34,458	674
1930	103,233	92,900	271	15,091	503
1931	80,940	62,405	158	8,402	307
1932	53,288	36,984	107	4,837	177
1933	57,016	38,807	95	5,703	132
1934	66,645	49,077	116	7,699	193
1935	92,314	67,841	164	9,953	253
1936	100,932	84,033	199	14,355	295
1937	118,429	99,522	219	17,614	441
1938	103,027	78,353	156	12,347	375
Quarries:					
1915	100,740	82,447	148	9,148	523
1920	86,488	77,089	178	10,880	337
1925	91,872	83,487	149	13,713	452
1930	80,633	68,531	105	7,152	265
1931	69,200	51,755	61	5,222	205
1932	56,866	37,047	32	3,464	110
1933	61,927	37,874	59	3,526	111
1934	64,331	43,604	60	3,807	117
1935	73,005	48,744	51	4,023	120
1936	80,022	62,914	91	5,538	179
1937	84,094	67,547	77	6,171	177
1938	77,497	57,519	82	4,869	158
Metallurgical plants:					
1916	80,201	88,596	83	14,863	217
1920	59,232	65,587	61	8,714	149
1925	58,935	66,220	44	7,480	231
1930	40,787	44,403	25	2,570	156
1931	28,938	28,806	16	1,304	89
1932	21,564	18,474	8	778	59
1933	21,999	19,583	13	1,018	61
Metallurgical plants—Con.					
1934	26,852	24,472	13	1,243	77
1935	36,493	35,438	28	1,843	119
1936	41,167	42,424	32	2,108	132
1937	47,530	49,664	41	3,064	163
1938	39,043	37,943	20	2,136	137
Coke ovens:					
1916	31,603	34,119	45	5,154	83
1920	28,130	29,921	49	3,336	79
1925	23,254	24,054	28	1,652	44
1930	19,855	22,936	28	990	32
1931	15,564	18,163	9	499	35
1932	12,002	13,862	14	298	22
1933	13,598	15,609	11	366	22
1934	15,483	18,096	14	490	26
1935	16,125	17,251	10	304	21
1936	17,811	20,725	22	428	33
1937	20,042	22,997	9	554	33
1938	13,799	15,456	6	262	20
Coal mines:					
1911	728,348	532,565	2,656	(2)	(2)
1915	734,008	511,598	2,269	(2)	(2)
1920	784,621	601,283	2,272	(2)	(2)
1925	748,805	480,227	2,234	(2)	(2)
1929	654,494	481,545	2,187	(2)	(2)
1930	644,006	412,979	2,063	101,093	2,728
1931	580,705	330,880	1,463	78,478	1,871
1932	527,623	262,484	1,207	57,445	1,527
1933	523,182	297,419	1,064	59,972	1,341
1934	566,426	346,468	1,226	66,304	1,704
1935	565,202	338,572	1,242	63,701	1,874
1936	584,582	382,972	1,342	67,652	1,924
1937	589,856	382,904	1,413	66,344	1,933
1938	541,528	294,252	1,105	49,706	1,608

[1] Figures include data for mines producing nonmetallic minerals other than coal. [2] Not available.

Source: Department of the Interior, Bureau of Mines; annual bulletins, Metal Mine Accidents, Quarry Accidents, Accidents at Metallurgical Plants, Coke Oven Accidents, and Coal Mine Accidents.

32. MANUFACTURES

[Statistics in this section relate to continental United States except as noted. For additional statistics on manufactured food products, mineral products, and forest products, see sections 27, 28, 29, and 31]

GENERAL NOTE.—The Census of Manufactures was taken decennially prior to 1899 and for each fifth year thereafter through 1919, and has since been taken biennially. The censuses for 1904, 1909, 1914, and 1919 covered all factories or plants whose products were valued at $500 or more, but, beginning with 1921, the minimum limit has been $5,000. As a rule, the term "establishment" signifies a single plant or factory, but in some cases an establishment operates two or more factories and in a few cases two or more departments of a single plant or factory are treated as separate establishments. At the Census for 1937, however, an establishment operating two or more factories was counted as two or more establishments. The total number of establishments was increased approximately 2,000 by this change.

"Value of products" represents selling value at the plant or factory. Because of the use of the products of some establishments as materials for others, the total cost of materials and the total value of products for all industries in a given group, and for all groups in the aggregate, include much duplication, estimated at roughly one-third of the gross value of products. Such duplication is not, however, found to any great extent within individual industries.

At the census for 1933 the smaller establishments in many industries were canvassed by means of an abridged schedule which did not call for detailed data on production, and therefore the production figures in the reports of that census for certain industries are somewhat incomplete. In cases in which the degree of incompleteness was sufficient to affect the comparableness of the statistics for different census years, the 1933 figures have been omitted from tables presenting detailed statistics of production in the 1937 and subsequent issues of the Statistical Abstract. Figures for 1933, together with 1931 figures adjusted for comparison with 1933, are, however, included in the 1936 edition.

It is sometimes necessary, for various reasons but chiefly because of changes in census classification, to make adjustments in the figures for earlier census years. Adjustments have been made as a result of the exclusion from the Census of Manufactures for 1937 of the industries "Gas, manufactured, illuminating and heating" and "Railroad repair shops." Adjustments have been made, also, as a result of the exclusion, beginning 1933, of the industries "Coffee and spice, roasting and grinding" and "Peanuts, walnuts, and other nuts, processed and shelled." The "Motion pictures, not including projection in theaters" industry was treated as a manufacturing industry in the censuses for 1921 to 1929, inclusive, but not in subsequent censuses. No adjustments of the figures for 1929 and earlier years have been made on account of this change, but its effect on the comparableness of the figures for different census years is very slight.

Detailed quantity and value figures for products of selected manufacturing industries are presented in certain of the Census tables in this section and in sections 27, 28, 29, and 31. The "total value" figures for the respective industries, as given in those tables, differ from the values of products of the corresponding industries, as given in table 830, because of the inclusion in the product-value totals in those tables, but not in the values of products for the corresponding industries in table 830, of data for the respective classes of commodities made as minor or secondary products by establishments engaged primarily in other lines of manufacture.

No. 825.—MANUFACTURES—SUMMARY: 1849 TO 1937

	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased energy	Value of products [1]	Value added by manufacture [2]
Factories and hand and neighborhood industries:			*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
1849 [3]	123,025	957,059	236,755	555,124	1,019,107	463,983
1859 [3]	140,433	1,311,246	378,879	1,031,605	1,885,862	854,257
1869 [3]	252,148	2,053,996	[4] 620,467	[4] 1,990,742	[4] 3,385,860	[4] 1,395,119
1879 [3]	253,852	2,732,595	947,954	4,396,824	5,369,579	1,972,756
1889 [3]	355,405	4,251,535	1,891,220	5,162,014	9,372,379	4,210,365
1899 [3]	512,191	5,306,143	2,320,938	7,343,628	13,000,149	5,656,521
Factories, excluding hand and neighborhood industries: [5]						
1899 [3]	205,237	4,509,684	1,895,414	6,441,437	11,103,726	4,662,288
1904 [3]	213,935	5,189,895	2,444,221	8,306,460	14,345,545	6,039,086
1909 [3]	265,509	6,273,239	3,210,277	11,875,782	20,067,674	8,191,892
1914 [3]	269,223	6,613,991	3,787,767	14,020,718	23,443,659	9,422,941
1914 [6]	173,656	6,478,713	3,783,259	13,824,278	23,065,565	9,241,287
1919 [6]	210,426	8,431,157	9,673,134	36,283,747	60,053,895	23,770,147
1921 [6]	192,275	6,484,447	7,467,690	24,445,982	41,748,680	17,302,704
1923 [6]	192,293	8,202,779	10,166,713	33,658,376	58,288,281	24,629,905
1925 [6]	184,108	7,879,508	9,994,341	35,193,579	60,926,575	25,731,996
1927 [6]	187,801	7,857,015	10,118,713	34,045,316	60,471,716	26,426,400
1929 [6]	206,811	8,380,536	10,909,815	37,441,140	68,178,340	30,737,200
1931 [6]	171,450	6,136,144	6,688,541	21,229,356	39,829,888	18,600,532
1933 [6]	139,325	5,787,611	4,940,146	16,549,788	30,557,328	14,007,540
1935 [6]	167,916	7,203,794	7,311,329	[7] 26,441,145	44,993,699	[8] 18,552,553
1937 [6]	166,794	8,569,231	10,112,883	[7] 35,539,383	60,712,872	[8] 25,173,539

[1] See second paragraph of general note.
[2] Value of products less cost of materials, containers, fuel, and purchased electric energy.
[3] For all establishments having products valued at $500 or more.
[4] Reduced to gold basis.
[5] Figures for "Gas, manufactured, illuminating and heating" and "Railroad repair shops" have been excluded beginning 1899.
[6] For all establishments having products valued at $5,000 or more.
[7] Includes cost of contract work.
[8] Calculated by subtracting sum of cost of materials, containers, fuel, purchased electric energy, and cost of contract work from value of products. Not strictly comparable with years prior to 1935.

Source: Dept. of Commerce, Bur. of the Census; reports of Biennial Census of Manufactures.

No. 826.—Population, Wage Earners, and Production—Indexes: 1899 to 1937

NOTE.—See general note, p. 802

CENSUS YEAR	Population	Wage earners	Production (quantity)	Production per wage earner	CENSUS YEAR	Population	Wage earners	Production (quantity)	Production per wage earner
1899	100	100	100	100	1925	154	178	275	154
1904	110	115	122	106	1927	158	178	274	154
1909	121	139	159	114	1929	162	190	311	164
1914	131	147	170	116	1931	166	140	206	147
1919	140	191	214	112	1933	168	131	192	147
1921	145	147	169	115	1935	170	163	233	143
1923	149	186	263	141	1937	173	194	303	156

No. 827.—Manufacturing Establishments Classified According to Number of Wage Earners: 1935 and 1937

NOTE.—See general note, p. 802

NUMBER OF WAGE EARNERS	1935				1937			
	Establishments	Average number of wage earners	Percent of total		Establishments	Average number of wage earners	Percent of total	
			Establishments	Wage earners			Establishments	Wage earners
Total	**167, 916**	**7, 203, 794**	**100. 0**	**100. 0**	**166, 794**	**8, 569, 231**	**100. 0**	**100. 0**
None	6, 896		4. 1		6, 885		4. 1	
1 to 5	70, 033	190, 189	41. 7	2. 6	62, 164	170, 174	37. 3	2. 0
6 to 20	46, 136	509, 255	27. 5	7. 1	46, 402	514, 487	27. 8	6. 0
21 to 50	20, 910	674, 900	12. 5	9. 4	23, 138	750, 922	13. 9	8. 8
51 to 100	10, 373	741, 823	6. 2	10. 3	11, 911	852, 373	7. 1	9. 9
101 to 250	8, 251	1, 292, 789	4. 9	17. 9	9, 745	1, 522, 670	5. 8	17. 8
251 to 500	3, 141	1, 086, 782	1. 9	15. 1	3, 911	1, 363, 000	2. 3	15. 9
501 to 1,000	1, 421	976, 462	.8	13. 6	1, 660	1, 133, 323	1. 0	13. 2
1,001 to 2,500	579	852, 550	.3	11. 8	737	1, 080, 534	.4	12. 6
2,501 or more	176	879, 044	.1	12. 2	241	1, 181, 748	.1	13. 8

No. 828.—Manufacturing Establishments Classified By Value of Products: 1937

NOTE.—See general note, p. 802

CLASS OF ESTABLISHMENTS ACCORDING TO VALUE OF PRODUCTS	ESTABLISHMENTS		WAGE EARNERS		VALUE OF PRODUCTS		VALUE ADDED BY MANUFACTURE	
	Number	Percent distribution	Average number	Percent distribution	Amount (thousands of dollars)	Percent distribution	Amount (thousands of dollars)	Percent distribution
Total	**166, 794**	**100. 0**	**8, 569, 231**	**100. 0**	**60, 712, 872**	**100. 0**	**25, 173, 539**	**100. 0**
$5,000 to $19,999	50, 548	30. 3	101, 896	1. 9	576, 966	1. 0	327, 065	1. 3
$20,000 to $49,999	37, 611	22. 5	305, 036	3. 6	1, 214, 034	2. 0	659, 544	2. 6
$50,000 to $99,999	23, 661	14. 2	385, 439	4. 5	1, 683, 661	2. 8	879, 270	3. 5
$100,000 to $249,999	23, 422	14. 0	763, 574	8. 9	3, 729, 973	6. 1	1, 799, 924	7. 2
$250,000 to $499,999	12, 763	7. 7	867, 354	10. 0	4, 511, 524	7. 4	2, 076, 254	8. 2
$500,000 to $999,999	8, 908	5. 3	1, 128, 224	13. 2	6, 279, 012	10. 3	2, 834, 843	11. 3
$1,000,000 to $2,499,999	6, 098	3. 7	1, 517, 198	17. 7	9, 396, 818	15. 5	4, 157, 931	16. 5
$2,500,000 to $4,999,999	2, 132	1. 3	1, 021, 809	11. 9	7, 337, 152	12. 1	3, 251, 715	12. 9
$5,000,000 and over	1, 651	1. 0	2, 428, 701	28. 3	25, 983, 732	42. 8	9, 186, 995	36. 5

Source of tables 826, 827, and 828: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 829.—Industrial Production—Indexes, by Groups: 1923 to 1940

Note.—1935-39 average=100. This is a revised series. For discussion of this revision, see Federal Reserve Bulletin for August 1940. The monthly indexes have been adjusted for seasonal variations and for the varying number of working days in the month.

Year and month	Total	Manufactures										
		Total	Durable manufactures							Nondurable manufactures		
			Total	Iron and steel	Machinery	Transportation equipment	Nonferrous metals and products	Lumber and products	Stone, clay, and glass products	Total	Textiles and products	Leather and products
1923	88	86	104	110	86	110	90	143	87	72	83	99
1924	82	81	95	92	81	94	93	139	91	69	72	86
1925	91	90	108	110	89	106	104	148	101	76	84	88
1926	96	95	114	117	102	109	113	148	105	79	84	90
1927	95	95	107	109	99	89	108	144	106	83	92	94
1928	99	100	117	124	106	108	118	142	110	85	87	93
1929	110	110	133	135	130	134	136	146	110	93	94	95
1930	91	91	99	98	100	91	106	105	96	84	74	84
1931	75	74	68	62	66	62	83	76	77	79	79	82
1932	58	57	41	33	43	38	52	51	51	70	71	76
1933	69	68	54	55	50	48	60	63	54	79	88	88
1934	75	74	66	62	69	69	62	64	64	81	76	91
1935	87	87	84	82	83	95	79	85	77	90	93	99
1936	103	104	108	114	105	111	104	105	103	100	104	103
1937	113	113	122	123	126	125	124	113	114	106	106	102
1938	88	87	78	68	82	70	80	90	92	95	85	93
1939	108	108	108	114	104	99	114	106	114	108	112	104
1939												
July	104	104	101	103	101	86	102	104	114	106	113	107
August	104	107	105	111	104	92	112	105	113	108	111	103
September	113	113	114	128	108	99	128	108	116	111	114	103
October	121	121	129	161	115	105	144	113	123	115	119	105
November	124	124	133	161	123	102	153	121	120	117	128	108
December	126	128	140	167	125	128	159	121	128	118	126	105
1940												
January	122	122	135	147	127	137	154	115	123	113	118	101
February	116	116	124	118	123	137	142	114	113	110	109	98
March	112	112	118	106	123	131	132	111	120	106	99	93
April	111	110	113	99	123	115	124	110	115	107	100	85
May	115	114	119	118	124	116	126	112	113	110	103	87
June	121	121	131	154	128	120	129	111	111	114	106	96

Year and month	Manufactures—continued								Minerals		
	Nondurable manufactures—Continued										
	Manufactured food products	Alcoholic beverages	Tobacco products	Paper and products	Printing and publishing	Petroleum and coal products	Chemicals	Rubber products	Total	Fuels	Metals
1923	82	--------	84	58	74	56	57	63	98	94	118
1924	81	--------	83	61	79	59	56	66	89	86	107
1925	85	--------	85	66	84	69	63	81	92	87	120
1926	87	--------	88	72	92	76	70	80	99	95	125
1927	88	--------	90	74	93	78	73	83	100	97	116
1928	93	--------	92	79	96	87	78	98	99	95	120
1929	101	--------	96	85	104	96	89	100	107	103	134
1930	100	--------	93	79	97	89	87	78	93	91	101
1931	90	--------	87	74	88	80	78	72	80	82	67
1932	79	--------	79	65	74	69	68	64	66	72	35
1933	83	--------	80	76	75	74	76	77	76	80	60
1934	88	74	87	75	80	79	83	86	80	83	58
1935	89	89	90	86	89	85	89	93	86	89	73
1936	98	109	99	98	99	97	99	107	99	99	102
1937	103	108	103	107	109	108	112	104	112	109	127
1938	101	96	102	95	96	100	96	83	97	99	86
1939	108	98	106	114	106	110	104	113	106	105	113
1939											
July	105	97	100	108	100	106	104	107	107	108	102
August	111	96	110	112	105	110	100	112	91	89	105
September	111	96	107	121	111	112	106	122	114	113	121
October	109	106	111	131	118	120	111	128	119	117	128
November	110	98	110	134	117	120	111	126	120	118	131
December	112	95	109	135	119	119	112	123	114	113	124
1940											
January	111	98	103	123	109	117	113	119	118	117	127
February	113	96	106	114	108	116	111	119	114	112	130
March	112	98	103	110	106	118	109	116	117	114	134
April	111	103	111	116	108	115	111	115	119	116	135
May	112	100	110	127	115	114	114	117	118	115	135
June	115	113	115	132	120	115	116	115	118	116	134

Source: Board of Governors of the Federal Reserve System. Figures published monthly in Federal Reserve Bulletin.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937

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. See also general note, p. 802

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
All industries, total	1937	166,794	8,569,231	10,112,883	35,539,333	60,712,872	25,173,539
	1935	167,916	7,203,794	7,311,329	26,441,145	44,993,699	18,552,553
	1933	139,325	5,787,611	4,940,146	16,549,788	30,557,328	14,007,540
	1931	171,450	6,163,144	6,088,541	21,229,356	39,829,888	18,600,532
Food and kindred products, total	1937	48,727	888,298	977,776	7,911,368	11,265,610	3,354,242
	1935	48,936	797,442	799,381	6,724,450	9,510,675	2,786,224
	1933	40,285	666,237	620,558	4,210,015	6,604,036	2,394,021
	1931	47,767	635,359	725,669	5,315,248	7,958,362	2,643,113
Animal products, total	1937	12,604	216,386	252,505	3,562,050	4,323,019	760,970
	1935	11,812	195,754	206,810	2,989,662	3,627,336	637,674
	1933	10,370	178,791	170,076	1,870,028	2,415,559	545,531
	1931	11,922	171,003	208,922	2,671,813	3,353,725	681,912
Butter	1937	3,716	19,437	19,619	510,114	589,767	79,652
	1935	3,458	18,434	17,516	423,163	501,216	78,052
	1933	3,166	16,498	15,062	316,843	385,512	68,669
	1931	3,367	15,667	18,623	393,228	463,472	70,245
Canned and cured fish, crabs, shrimps, oysters, and clams	1937	325	18,229	8,705	48,728	78,410	29,682
	1935	274	13,356	6,310	30,193	60,588	21,395
	1933	264	9,993	4,473	26,248	40,560	14,311
	1931	304	8,591	5,222	28,404	42,352	13,948
Cheese	1937	2,567	4,482	4,359	95,672	112,786	17,114
	1935	2,573	4,344	3,936	84,122	98,950	14,827
	1933	2,157	3,141	2,910	46,791	57,334	10,542
	1931	2,371	2,964	3,564	54,081	68,072	13,991
Condensed and evaporated milk	1937	601	8,967	9,964	166,606	210,718	44,112
	1935	467	8,458	8,319	130,945	171,489	40,544
	1933	436	6,331	6,100	96,698	131,086	34,388
	1931	485	6,121	7,256	109,397	148,598	39,201
Ice cream	1937	2,885	18,664	21,269	143,587	282,003	138,416
	1935	2,447	17,321	19,104	101,276	209,685	108,408
	1933	2,118	14,367	16,145	66,315	158,386	92,072
	1931	2,948	17,819	25,416	110,504	268,515	158,011
Meat packing, wholesale	1937	1,160	127,477	170,386	2,386,090	2,787,358	401,267
	1935	1,223	116,620	136,468	2,030,924	2,362,369	331,445
	1933	1,078	113,193	112,266	1,202,539	1,490,085	287,546
	1931	1,209	106,707	134,530	1,839,260	2,180,823	341,564
Poultry dressing and packing, wholesale	1937	533	8,913	5,931	87,457	105,841	18,384
	1935	562	8,078	5,068	76,642	92,944	16,302
	1933	437	7,471	4,862	51,853	66,157	14,304
	1931	497	6,982	5,944	77,667	97,560	19,893
Sausage casings, not made in meat-packing establishments [3]	1937	31	875	899	4,415	6,539	2,124
Sausage, meat puddings, headcheese, etc., not made in meat-packing establishments [3]	1937	786	9,342	11,372	119,380	149,598	30,218
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments	1935	808	9,164	10,089	103,395	130,095	26,700
	1933	714	7,797	8,259	62,741	86,438	23,698
	1931	741	6,242	8,366	59,272	84,333	25,060

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[3] Shown as separate industry for first time in 1937; no comparable data for prior years.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Food, etc.—Continued.							
Vegetable products, except beverages, total.	1937	27,005	561,877	570,216	3,838,341	5,691,874	1,853,532
	1935	28,727	510,339	479,484	3,355,764	4,887,189	1,531,425
	1933	22,895	423,716	376,508	2,161,744	3,510,035	1,348,292
	1931	27,443	414,051	451,559	2,518,798	4,177,353	1,658,555
Bread and other bakery products.	1937	17,193	230,388	293,994	727,022	1,426,163	699,141
	1935	19,068	218,423	248,532	670,040	1,235,078	565,032
	1933	14,830	182,382	196,672	427,466	919,778	492,318
	1931	17,718	183,161	239,331	505,477	1,190,048	684,571
Canned and dried fruits and vegetables; canned and bottled juices; preserves, jellies, fruit butters, pickles, and sauces.	1937	2,772	137,064	92,638	498,562	788,927	290,366
	1935	2,744	116,298	70,612	409,241	649,644	240,403
	1933	2,072	84,274	45,239	268,420	439,988	171,568
	1931	2,535	80,184	54,001	322,005	513,001	190,996
Cereal preparations	1937	112	8,133	10,792	94,906	164,495	69,589
	1935	110	7,890	8,526	82,433	146,681	64,248
	1933	103	7,115	7,270	55,015	111,026	56,011
	1931	111	7,018	9,005	69,427	141,583	72,157
Chewing gum	1937	25	2,401	2,967	16,888	56,722	39,833
	1935	26	2,315	2,417	14,985	47,766	32,781
	1933	31	[4] 2,252	2,232	12,599	41,654	29,055
	1931	35	2,147	2,464	16,824	51,340	34,516
Chocolate and cocoa products, not including confectionery.	1937	40	7,402	8,129	74,131	102,346	28,215
	1935	44	8,291	7,996	66,407	93,047	26,639
	1933	54	6,460	6,115	41,572	67,754	26,182
	1931	55	5,677	6,649	50,045	87,346	37,301
Confectionery	1937	1,226	53,722	43,441	182,781	305,839	123,058
	1935	1,314	52,109	39,252	153,738	259,889	106,151
	1933	1,218	50,609	32,991	114,164	211,833	97,669
	1931	1,566	51,262	42,153	144,748	284,157	139,409
Corn sirup, corn sugar, corn oil, and starch.	1937	27	7,010	10,411	96,462	135,820	39,358
	1935	36	7,337	8,436	70,263	103,632	33,369
	1933	28	7,591	8,575	47,420	93,361	45,941
	1931	43	6,652	7,963	54,084	98,723	44,690
Feeds, prepared, for animals and fowls.	1937	1,126	14,397	15,839	338,505	415,211	76,706
	1935	942	11,606	11,068	230,022	288,662	58,040
	1933	710	8,791	7,866	122,070	161,343	39,273
	1931	796	8,449	9,402	162,734	209,921	47,187
Flavoring extracts, flavoring sirups, and related products.	1937	398	4,162	4,274	46,280	117,897	71,617
	1935	407	2,902	2,651	29,185	67,875	38,690
	1933	383	2,287	2,184	20,333	54,169	33,836
	1931	626	5,204	6,877	48,575	119,238	70,663
Flour and other grain-mill products.	1937	2,238	26,390	30,186	722,711	856,310	133,600
	1935	2,193	26,495	27,105	716,222	853,219	136,997
	1933	1,932	23,207	22,591	[4] 432,671	[4] 567,003	[4] 134,332
	1931	2,412	22,840	27,298	461,091	598,041	136,950
Food preparations not elsewhere classified.	1937	1,049	16,794	15,367	200,808	278,639	77,831
	1935	1,029	14,138	12,126	158,541	222,606	64,065
	1933	802	10,664	8,992	100,609	152,754	52,144
	1931	782	8,939	9,120	90,171	147,546	57,375
Macaroni, spaghetti, vermicelli, and noodles.	1937	319	6,452	5,719	32,836	50,359	17,522
	1935	336	6,005	5,306	31,811	47,590	15,787
	1933	296	5,492	4,265	20,385	35,892	15,507
	1931	309	4,764	4,474	20,311	36,225	15,914

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised: revision not carried into subgroup or group total.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Food, etc.—Continued.							
Malt [3]	1937	56	1,644	2,923	76,118	94,630	18,512
	1935	54	1,439	2,348	56,412	75,118	18,706
	1933	30	848	1,283	20,662	27,923	7,261
	1931	27	540	866	13,920	19,242	5,322
Oleomargarine (margarine) not made in meat-packing establishments.	1937	16	1,214	1,607	30,987	44,563	13,575
	1935	14	1,176	1,303	23,293	32,402	9,109
	1933	16	841	855	8,312	12,766	4,454
	1931	32	1,043	1,352	15,269	22,818	7,548
Rice cleaning and polishing	1937	61	2,218	1,356	38,816	46,853	8,037
	1935	68	2,025	1,312	34,214	44,113	9,899
	1933	50	1,636	1,022	22,697	30,683	7,987
	1931	55	1,503	1,276	31,813	40,360	8,547
Shortenings (other than lard), vegetable cooking oils, and salad oils.	1937	48	4,901	5,651	204,383	239,495	35,112
	1935	48	4,845	4,709	177,976	212,689	34,713
	1933	49	3,658	3,217	68,149	85,830	17,681
	1931	50	3,602	4,011	99,841	115,302	15,461
Sugar, beet	1937	87	9,366	11,733	68,906	107,396	38,399
	1935	77	9,232	9,338	71,142	95,160	24,017
	1933	84	10,706	10,884	76,127	127,133	51,006
	1931	67	6,241	7,548	62,325	85,673	23,348
Sugar, cane, not including products of refineries.	1937	72	4,221	2,380	20,722	29,151	8,429
	1935	74	2,944	1,530	18,298	26,281	7,983
	1933	67	2,371	1,228	11,504	18,233	6,639
	1931	68	2,032	1,333	10,008	13,981	3,973
Sugar refining, cane	1937	23	14,024	15,973	362,653	424,631	61,978
	1935	18	13,832	13,914	336,177	377,214	41,038
	1933	19	11,495	12,237	281,536	337,075	55,539
	1931	19	11,855	15,547	335,933	395,303	59,370
Vinegar and cider	1937	117	974	836	3,774	6,427	2,653
	1935	125	1,037	1,002	4,761	8,518	3,758
	1933	121	844	724	3,943	6,631	2,687
	1931	137	848	885	4,249	7,506	3,257
Beverages and ice, total	1937	9,118	110,035	149,055	510,977	1,250,717	739,740
	1935	8,397	91,349	113,588	379,025	996,150	617,125
	1933	7,020	63,732	73,974	178,243	678,442	500,199
	1931	8,402	50,215	65,188	124,637	427,284	302,647
Beverages, nonalcoholic	1937	3,920	27,979	30,981	112,380	276,779	164,399
	1935	3,175	16,778	17,343	62,094	159,298	97,204
	1933	2,903	15,123	14,197	41,873	111,297	69,424
	1931	4,250	23,905	30,082	76,045	212,567	136,522
Ice, manufactured	1937	3,847	18,705	21,603	27,517	136,542	109,025
	1935	3,850	19,032	20,635	28,048	128,385	100,337
	1933	[4] 3,699	21,332	22,849	26,959	139,263	112,304
	1931	4,111	25,217	33,656	35,078	192,027	156,949
Liquors, distilled [5]	1937	151	6,215	7,412	73,200	113,103	39,903
	1935	131	8,152	8,361	76,520	152,875	76,355
	1933	*31*	*1,661*	*1,471*	*14,560*	*34,293*	*19,734*
	1933	51	2,514	2,476	23,916	60,850	36,935
	1931	27	997	1,331	13,132	21,741	8,608

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.
[3] *Figures for 1937 and 1935 not strictly comparable with those for earlier years, because of inclusion of data for malthouses, first reported separately by breweries for 1935.*
[5] At the 1935 census ethyl alcohol was assigned to "Chemicals, n. e. c." and "Liquors, rectified, etc.," were separately classified. The 1933 figures in italics have been adjusted for comparison with 1935 and 1937.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Food, etc.—Continued.							
Liquors, malt	1937	653	47,037	79,275	201,917	537,105	335,189
	1935	666	30,169	60,615	139,918	420,030	280,112
	[7] 1933	525	23,501	33,480	76,194	[4] 229,961	[4] 153,767
Liquors, rectified and blended	1937	210	7,094	6,732	72,378	144,455	72,077
	[8] 1935	260	5,883	4,527	57,128	99,130	42,002
Liquors, vinous	1937	337	3,005	3,051	23,586	42,733	19,147
	1935	315	2,335	2,107	15,317	36,432	21,116
	1933	212	1,262	972	9,302	24,084	14,782
	1931	14	96	119	381	949	568
Textiles and their products, total	1937	20,616	1,814,387	1,549,559	4,089,124	7,061,609	2,972,485
	1935	22,847	1,687,737	1,371,173	3,531,972	6,060,834	2,528,862
	1933	19,295	1,476,794	1,018,687	2,531,298	4,810,960	2,279,662
	1931	23,786	1,422,901	1,240,048	3,021,880	5,855,546	2,833,666
Textile mill products, total	1937	6,279	1,125,514	957,003	2,252,972	3,986,881	1,733,908
	[9] 1935	6,699	1,063,307	837,956	[10] 1,918,282	3,347,137	[10] 1,428,855
	[9] 1933	6,208	967,315	658,660	1,410,791	2,714,070	1,303,279
	[9] 1931	6,818	899,607	755,284	1,527,216	3,024,190	1,496,974
Carpets and rugs, total	[11] 1937	114	34,580	36,193	97,190	183,526	86,337
	[11] 1935	123	30,487	30,443	62,573	127,588	65,015
	1933	87	22,194	18,836	30,869	73,885	43,016
	1931	118	24,217	25,285	40,200	92,411	52,211
Carpets and rugs, paper-fiber and grass	1937	9	788	768	1,220	3,152	1,932
	1935	12	692	572	824	2,092	1,268
	1933	7	221	186	228	609	382
	1931	6	311	258	297	875	578
Carpets and rugs, rag	1937	35	429	280	647	1,336	689
	1935	40	986	943	1,514	4,028	2,514
	1933	26	677	464	609	1,851	1,242
	1931	51	1,003	918	1,026	3,332	2,306
Carpets and rugs, wool (other than rag)	1937	56	30,779	32,171	83,574	162,187	78,613
	1935	55	27,633	27,710	56,234	115,257	59,023
	1933	54	21,296	18,186	30,032	71,425	41,393
	1931	61	22,903	24,109	38,876	88,204	49,328
Carpet yarn, woolen and worsted	1937	15	2,584	2,973	11,749	16,851	5,103
	[8] 1935	16	1,176	1,218	4,002	6,211	2,209
Cordage and twine; jute goods; linen goods, total	1937	162	22,427	18,501	55,033	98,425	43,392
	1935	148	18,609	13,949	34,542	68,858	34,316
	1933	142	16,986	11,091	25,314	55,546	30,233
	1931	151	16,439	12,926	32,736	65,574	32,838
Cordage and twine	1937	118	14,043	11,683	38,022	66,418	28,396
	1935	112	12,260	9,074	23,743	46,956	23,213
	1933	110	11,145	7,373	18,284	38,714	20,429
	1931	117	11,087	8,627	24,402	47,557	23,155
Jute goods [12]	1937	32	6,522	5,190	13,174	25,565	12,391
	1935	24	4,595	3,521	7,360	16,294	8,934
	1933	20	4,248	2,563	4,813	12,463	7,651
	1931	20	3,785	2,881	5,824	12,791	6,967

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[7] No comparable figures available for 1931.
[8] No comparable figures available for earlier years.
[9] Revised by adding figures for "Hats and caps, except felt and straw," formerly included in the "Cutting-up" industries.
[10] Because of changes in classification the figures below will not add to these totals.
[11] Figures not strictly comparable with those for 1933 and 1931.
[12] Because of changes in classification of certain establishments, the figures for earlier years are not strictly comparable with those for 1937.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Textiles, etc.—Continued							
Linen goods	1937	12	1,862	1,628	3,836	6,441	2,605
	1935	12	1,754	1,354	3,430	5,607	2,168
	1933	12	1,593	1,156	2,216	4,370	2,153
	1931	14	1,567	1,417	2,510	5,226	2,716
Cotton manufactures, total	[11] 1937	1,237	435,428	324,083	[13] 705,069	1,274,295	[13] 569,226
	[11] 1935	1,223	383,002	247,844	637,729	1,030,768	393,039
	1933	1,242	393,105	226,758	495,399	901,956	406,557
	1931	1,327	343,360	231,736	[13] 425,832	850,466	[13] 424,634
Cotton narrow fabrics	1937	156	12,616	11,131	22,115	43,486	21,371
	1935	170	13,466	11,107	23,017	44,593	21,576
	1933	172	13,237	10,059	17,558	38,890	21,331
	1931	174	12,826	11,617	19,693	41,991	22,298
Cotton woven goods (over 12 inches in width).	1937	677	336,104	255,655	[13] 525,947	967,110	[13] 441,163
	1935	670	295,648	192,769	478,929	768,738	289,809
Cotton yarn and thread	1937	395	86,206	56,834	[13] 155,093	260,604	[13] 105,510
	1935	372	73,414	43,570	134,103	214,835	80,731
Cotton woven goods (over 12 inches in width) and cotton yarn and thread.	1933	1,057	379,445	216,384	476,769	861,170	384,401
	1931	1,140	329,962	219,680	[13] 404,855	805,792	[13] 400,937
Fish nets and seines	1937	9	502	463	1,914	3,095	1,181
	1935	11	474	309	1,680	2,602	923
	1933	13	423	315	1,072	1,895	824
	1931	13	572	438	1,283	2,682	1,399
Dyeing and finishing cotton, rayon, and silk, total.	1937	533	74,982	75,730	135,795	283,262	147,468
	[8] 1935	523	71,380	66,226	105,904	223,662	117,668
Dyeing and finishing, cotton fabric.	1937	246	49,635	49,112	106,171	204,052	97,881
	[8] 1935	245	43,319	38,348	74,672	144,128	69,456
Dyeing and finishing, rayon-and silk-fabric.	1937	159	18,003	19,633	22,809	57,599	34,791
	[8] 1935	146	20,836	21,505	24,548	59,387	34,839
Dyeing and finishing yarn (cotton, rayon, and silk)—for sale or on commission.	1937	128	7,344	6,986	6,815	21,611	14,796
	[8] 1935	132	7,225	6,372	6,773	20,147	13,374
Felt goods, except woven felts	1937	39	3,711	4,529	18,649	29,649	11,000
	[8] 1935	40	3,576	3,438	13,505	23,697	10,192
Hats, caps, and hat and cap materials, total.	1937	528	28,802	29,199	66,437	122,815	56,378
	[9] 1935	617	26,862	27,718	56,410	107,322	50,912
	[9] 1933	547	23,269	19,688	38,573	77,292	38,718
	[9] 1931	671	23,844	26,452	53,772	106,817	53,045
Hats and caps, except felt and straw, men's.	1937	258	3,460	2,934	5,928	11,730	5,802
	1935	315	3,796	3,518	7,052	14,257	7,205
	1933	299	4,053	2,968	6,181	12,659	6,478
	1931	379	3,459	3,662	8,173	16,867	8,694
Hats, fur felt	1937	140	15,926	17,705	34,732	66,775	32,042
	1935	152	14,660	16,454	27,645	55,907	28,262
	1933	117	12,540	11,935	19,138	40,600	21,462
	1931	138	14,084	16,538	29,509	59,616	30,107

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[8] No comparable figures available for earlier years.
[9] Revised by adding figures for "Hats and caps, except felt and straw," formerly included in the "Cutting-up" industries.
[11] Figures not strictly comparable with those for 1933 and 1931.
[13] Not strictly comparable with 1935 and 1933 because of the inclusion of processing taxes in the cost of materials, etc., for those years.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Hat and cap materials, men's	1937	69	2,444	2,154	10,091	15,216	5,125
	1935	88	2,483	2,206	8,875	13,604	4,729
	1933	76	1,898	1,465	6,199	9,716	3,517
	1931	95	1,935	2,077	6,554	11,010	4,456
Hats, straw, men's	1937	47	3,024	2,692	7,138	13,622	6,484
	1935	50	2,918	2,644	7,471	12,369	4,898
	1933	46	3,147	2,056	5,217	9,947	4,730
	1931	50	2,823	2,784	7,253	13,892	6,639
Hat bodies, carded wool felt	1937	14	4,038	3,714	8,547	15,473	6,926
	1935	12	3,005	2,896	5,367	11,185	5,818
	1933	9	1,631	1,264	1,838	4,369	2,531
	1931	9	1,543	1,390	2,283	5,432	3,149
Knit goods, total	[11] 1937	1,821	231,064	199,057	329,489	659,974	330,485
	[11] 1935	1,852	219,776	184,478	315,573	606,726	291,153
	1933	1,577	189,698	132,030	[14] 249,356	498,350	248,993
	1931	1,706	178,011	149,589	[14] 296,687	585,677	288,990
Gloves and mittens, knitted	1937	15	3,182	2,121	2,330	5,795	3,465
Hosiery	[11] 1937	745	150,460	136,264	159,917	361,576	201,658
	[11] 1935	695	138,021	121,377	146,562	315,187	168,625
	1933	614	117,919	82,959	[14] 120,356	263,710	143,354
	1931	621	112,374	95,129	[14] 156,051	331,209	175,158
Knitted cloth	1937	213	11,360	10,558	44,298	68,001	23,703
	1935	213	11,370	9,486	43,483	64,030	20,547
	1933	167	8,950	7,246	[14] 33,388	49,892	16,505
	1931	167	7,544	7,171	[14] 36,628	53,043	16,415
Knitted outerwear—regular factories.	1937	505	23,424	19,504	58,867	102,244	43,378
Knitted outerwear—contract factories.	1937	164	2,715	2,050	658	4,592	3,934
Knitted outerwear [15]	1935	758	35,455	30,170	71,599	131,455	59,856
	1933	601	26,908	19,574	[14] 50,681	92,547	41,866
	1931	710	26,142	24,744	[14] 59,070	111,573	52,502
Knitted underwear	1037	179	39,923	28,560	63,419	117,767	54,348
	1935	186	34,930	23,445	53,929	96,054	42,124
	1933	195	35,915	22,251	[14] 44,931	92,200	47,269
	1931	218	31,951	22,545	[14] 44,938	80,853	44,916
Lace goods	1937	57	8,109	9,037	10,534	28,342	17,809
	1935	56	7,858	8,686	10,940	27,528	16,588
	1933	44	5,911	5,582	[14] 5,813	16,929	11,116
	1931	42	6,043	6,289	6,123	19,162	13,040
Rayon and silk manufactures, total.	1937	848	116,339	92,440	248,270	404,735	156,465
	[3] 1935	1,105	125,908	95,479	197,811	354,226	156,415
Rayon broad woven goods (18 inches wide and over).	1937	237	57,949	48,946	149,192	229,773	80,581
	[3] 1935	274	58,508	46,593	103,306	174,598	71,292
Rayon narrow fabrics	1937	112	5,568	4,830	8,347	18,535	10,188
	[3] 1935	92	3,399	2,727	4,199	9,845	5,646
Rayon throwing and spinning—commission only.	1937	25	1,937	1,191	472	2,400	1,927
	[3] 1935	45	5,270	3,147	1,145	6,014	4,869

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[3] No comparable figures available for earlier years.
[11] Figures not strictly comparable with those for 1933 and 1931.
[14] Revised to include cost of contract work.
[15] Includes data for knitted gloves and mittens for 1935 and prior census years.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Rayon yarn and thread—processed for sale.	1937	51	5,399	3,652	14,800	21,729	6,929
	[8] 1935	36	3,141	2,485	8,741	14,048	5,306
Silk broad woven goods (18 inches wide and over).	1937	194	17,597	14,010	38,886	63,098	24,212
	[8] 1935	396	27,104	21,249	52,903	90,286	37,382
Silk narrow fabrics	1937	81	4,527	4,201	5,525	13,770	8,245
	[8] 1935	91	4,515	4,173	4,734	13,254	8,519
Silk throwing and spinning—commission only.	1937	90	13,290	7,789	3,633	15,278	11,645
	[8] 1935	132	16,480	9,693	3,563	17,469	13,907
Silk yarn and thread—made for sale.	1937	52	10,572	7,820	27,415	40,152	12,737
	[8] 1935	39	7,491	5,413	19,219	28,712	9,494
Waste and related products, total. [16]	1937	236	10,205	9,155	50,486	76,055	24,569
	[8] 1935	313	9,245	7,347	42,446	66,022	23,576
Batting, padding, and wadding; upholstery filling. [16]	1937	110	4,645	4,353	23,888	36,870	12,982
	[8] 1935	110	3,248	2,592	15,853	25,631	9,778
Processed waste and recovered wool fiber—for sale.	1937	126	5,560	4,801	26,598	38,185	11,587
	1935	203	5,997	4,755	26,593	40,391	13,798
	1933	168	4,563	2,920	15,178	25,244	10,067
	1931	172	4,222	3,171	13,555	22,295	8,740
Wool and hair manufactures, total.	1937	704	159,277	159,080	536,021	826,802	290,781
	[8] 1935	699	166,604	152,349	440,532	710,740	270,209
Woolen and worsted dyeing and finishing.	1937	53	2,563	2,807	4,675	11,063	6,387
	[8] 1935	66	3,369	3,406	6,852	16,065	9,214
Woolen woven goods, including woven felts.	1937	332	61,931	62,598	173,054	288,748	115,694
	[8] 1935	323	64,986	60,451	135,377	246,928	111,551
Woolen yarn	1937	41	2,749	2,777	8,594	13,558	4,965
	[8] 1935	43	2,909	2,567	7,356	11,596	4,241
Wool scouring	1937	20	1,252	1,393	1,916	4,550	2,635
	1935	20	1,527	1,765	2,115	6,055	3,940
	1933	20	1,395	1,418	1,189	4,404	3,215
	1931	21	1,377	1,968	1,160	4,640	3,480
Wool combing—commission, and tops for sale.	1937	11	3,252	3,558	4,574	10,299	5,726
	[8] 1935	12	2,648	2,616	3,541	8,045	4,504
Worsted woven goods	1937	176	70,227	71,101	276,905	408,842	131,937
	[8] [17] 1935	167	72,068	66,138	226,531	338,442	111,911
Worsted yarn	1937	71	17,303	14,847	66,303	89,741	23,438
	[8] 1935	68	19,097	15,405	58,760	83,609	24,849
The cutting-up industries, total.	[18] 1937	13,217	661,767	562,691	1,747,222	2,907,211	1,159,989
	1935	14,952	602,513	510,074	1,544,852	2,580,706	1,035,853
	1933	12,127	491,420	343,315	1,073,988	1,993,527	919,539
	1931	15,665	503,600	460,964	1,441,947	2,708,665	1,266,718

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[8] No comparable figures available for earlier years.
[16] Excludes data for wiping rags for 1937 because not considered a manufactured product. Such data were included for 1935.
[17] Revised to include data for "Haircloth," which has been abandoned as a separate classification.
[18] Because of the fact that some establishments, such as those in all apparel industries, lose their identity during a 2-year period through change of name, ownership, and location, and, therefore, may be missed by a canvass made largely by mail, the 1937 statistics are not complete.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Men's, youths', and boys' clothing, not elsewhere classified, total.	[8] 1937	2,217	138,314	142,257	358,403	618,197	259,794
Clothing, men's, youths', and boys', not elsewhere classified—regular factories.	[8] 1937	1,282	94,361	101,042	353,884	558,997	205,113
Clothing, men's, youths', and boys', not elsewhere classified—contract factories.	[8] 1937	935	43,953	41,216	4,519	59,200	54,681
Men's and boys' cotton, leather, and allied garments, total.	[8] 1937	1,573	166,300	100,408	293,950	477,563	183,613
Clothing, leather and sheep-lined.	[8] 1937	78	4,075	3,720	14,399	20,973	6,573
Clothing, work (including work shirts), and sport garments, except leather.	[8] 1937	675	69,502	41,265	132,868	204,390	71,522
Shirts (except work shirts), collars, and nightwear—regular factories.	1937	409	55,570	34,948	102,835	174,988	72,154
Shirts (except work shirts), collars, and nightwear—contract factories.	1937	120	12,024	6,107	1,214	9,240	8,025
Shirts and nightwear (and collars)	[8] 1935	555	60,777	38,059	94,053	159,769	65,716
Trousers (semidress), wash suits, and washable service apparel.	[8] 1937	232	15,817	9,532	28,779	46,778	17,999
Underwear, men's—regular factories.	1937	50	7,888	4,213	13,707	20,285	6,578
Underwear, men's—contract factories.	1937	9	1,424	623	148	910	762
Underwear, men's	[8] 1935	65	7,655	4,021	11,654	18,968	7,314
Miscellaneous apparel and allied products, total.	[8] 1937	502	20,803	15,654	59,425	95,676	36,251
Furnishing goods, men's, not elsewhere classified—regular factories.	[18] 1937	333	12,144	9,794	37,080	60,064	22,984
Furnishing goods, men's, not elsewhere classified—contract factories.	[18] 1937	31	759	533	81	854	773
Furnishing goods, not elsewhere classified.	[8] 1935	427	11,185	9,615	32,294	56,528	24,234
Handkerchiefs—regular factories.	1937	58	4,065	2,548	13,470	18,776	5,306
Handkerchiefs — contract factories.	1937	16	932	586	134	944	810

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[8] No comparable figures available for earlier years.
[18] Because of the fact that some establishments, such as those in all apparel industries, lose their identity during a 2-year period through change of name, ownership, and location, and, therefore, may be missed by a canvass made largely by mail, the 1937 statistics are not complete.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Handkerchiefs	1935	89	4,889	3,216	11,210	18,443	7,233
	1933	74	4,701	2,442	8,060	14,924	6,864
	1931	88	4,761	3,221	10,256	18,798	8,543
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1937	64	2,903	2,193	8,660	15,038	6,379
	1935	74	2,719	1,956	8,578	14,659	6,080
	1933	62	2,617	1,827	[14] 8,150	12,781	4,631
	1931	71	3,257	2,442	9,995	17,165	7,170
Gloves and mittens, cloth or cloth and leather combined, made from purchased materials.	1937	107	12,679	7,847	18,705	32,560	13,855
	1935	115	8,048	4,488	10,333	18,940	8,608
	1933	91	8,586	3,547	8,743	16,012	7,270
	1931	106	7,101	3,319	8,912	14,539	5,627
Women's, misses', and children's apparel not elsewhere classified, total.	[8 13] 1937	6,337	242,879	225,615	724,549	1,213,202	488,653
Blouses, women's, misses', and children's—regular factories.	[8] 1937	128	3,850	3,350	16,774	26,785	10,010
Blouses, women's, misses', and children's—contract factories.	[8] 1937	64	2,554	1,661	145	2,435	2,290
Outerwear, children's and infants'—regular factories.	[8] 1937	346	15,962	13,295	46,731	77,522	30,791
Outerwear, children's and infants'—contract factories.	[8] 1937	106	5,157	3,308	276	4,941	4,665
Coats, suits, and separate skirts, women's, misses', and juniors'—regular factories.	[8] 1937	1,005	20,090	29,708	201,551	290,124	88,572
Coats, suits, and separate skirts, women's, misses', and juniors'—contract factories.	[8] 1937	762	18,923	22,004	2,163	31,097	28,934
Dresses, except house dresses—regular factories.	[8] 1937	1,147	48,217	54,278	258,464	403,074	144,610
Dresses: except house dresses—contract factories.	[8] 1937	1,275	43,874	42,655	2,635	58,503	55,868
Dresses: House dresses, uniforms, and aprons—regular factories.	[8] 1937	403	28,250	17,165	55,684	93,892	38,208
Dresses: House dresses, uniforms, and aprons—contract factories.	[8] 1937	79	4,039	2,203	278	3,242	2,964
Underwear and nightwear of cotton and flannelette woven fabric, women's, children's, and infants'.	[8] 1937	122	8,835	5,511	19,600	30,050	10,450
Underwear and nightwear of knitted fabric, women's, children's, and infants'.	[8] 1937	113	10,453	6,562	21,418	36,373	14,955

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[8] No comparable figures available for earlier years.
[14] Revised to include cost of contract work.
[13] Because of the fact that some establishments, such as those in all apparel industries, lose their identity during a 2-year period through change of name, ownership, and location, and, therefore, may be missed by a canvass made largely by mail, the 1937 statistics are not complete.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Clothing, women's, misses', and children's, not elsewhere classified—regular factories.	[8] 1937	654	26,897	20,613	98,374	149,958	51,585
Clothing, women's, misses', and children's, not elsewhere classified—contract factories.	[8] 1937	133	5,178	3,304	455	5,207	4,752
Millinery, total	1937	755	21,560	22,921	41,007	88,242	47,235
	1935	1,033	22,770	23,988	40,042	88,989	48,947
	1933	834	22,574	20,318	34,646	77,347	42,701
	1931	1,134	26,612	32,565	71,795	144,575	72,780
Millinery—regular factories	[8] 1937	723	21,321	22,654	40,855	87,544	46,690
Millinery—contract factories	[8] 1937	32	239	268	152	697	545
Corsets and allied garments	1937	215	16,385	13,255	32,514	70,789	38,274
	1935	241	15,635	12,036	32,532	66,947	34,415
	1933	179	14,017	9,388	29,034	58,092	29,058
	1931	204	13,977	11,496	31,694	71,923	40,229
Fabricated textile products other than wearing apparel, total.	1937	1,511	42,847	34,733	218,669	310,982	92,313
	[8] 1935	1,561	32,503	25,399	163,462	236,683	73,222
Awnings, tents, sails, and canvas covers. [10]	1937	367	4,732	4,844	17,506	30,324	12,818
	[8] 1935	421	3,987	3,974	12,582	22,809	10,227
Bags, other than paper	1937	186	12,075	9,749	103,725	130,001	26,276
	1935	198	10,920	8,048	88,001	111,566	23,564
	1933	169	10,543	6,977	69,537	92,115	22,578
	1931	189	11,985	9,111	79,173	104,991	25,818
Curtains, draperies, and bedspreads—regular factories.	1937	284	8,934	5,908	37,253	52,517	15,264
Curtains, draperies, and bedspreads—contract factories.	1937	48	711	506	173	1,109	937
Curtains, draperies, and bedspreads.	[8] 1935	352	6,934	5,185	27,536	42,645	15,109
Housefurnishings, not elsewhere classified.	1937	404	11,346	9,230	44,710	69,391	24,681
	[8] 1935	421	7,737	5,902	28,918	46,433	17,515
Fabricated textile products not elsewhere classified.	1937	101	2,903	2,874	11,567	19,771	8,204
	[8] 1935	52	1,187	941	3,274	5,841	2,567
Flags, banners, regalia, vestments, robes, and related products.	1937	121	2,146	1,623	3,736	7,870	4,134
	1935	117	1,738	1,349	3,151	7,389	4,239
	1933	98	1,494	1,046	2,011	4,948	2,936
	1931	129	2,204	2,083	3,458	8,443	4,985
The processing industries, total.	1937	1,120	27,106	29,805	88,930	167,517	78,587
	1935	1,196	21,917	23,143	68,838	132,992	64,154
	1933	960	18,060	16,712	46,519	103,363	56,844
	1931	1,303	19,784	23,800	52,718	122,692	69,974

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[8] No comparable figures available for earlier years.
[10] Restricted to establishments with products valued at $20,000 or more.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Embroideries; trimmings (not made in textile mills); stamped art goods, total. [12]	1937	1,071	15,189	13,314	28,234	57,908	29,674
	1935	1,147	11,859	10,839	21,620	46,273	24,653
	1933	912	9,765	7,949	[14] 16,698	35,314	18,706
	1931	1,252	11,773	13,183	18,361	50,533	32,171
Embroideries—Schiffli-machine products—regular factories.	1937	98	1,171	999	2,783	5,220	2,437
Embroideries—Schiffli-machine products—contract factories.	1937	173	1,586	1,418	1,668	4,969	3,301
Embroideries—Schiffli-machine products.	1935	308	2,360	2,162	4,263	9,618	5,355
Embroideries—Other than Schiffli-machine products—regular factories.	1937	47	548	459	676	1,632	956
Embroideries—Other than Schiffli-machine products—contract factories.	1937	267	3,394	2,859	1,472	6,956	5,485
Embroideries—Other than Schiffli-machine products.	1935	351	3,351	2,991	2,173	7,792	5,619
Embroideries (Schiffli-machine and other).	1933	547	4,652	3,874	[14] 4,261	12,194	7,933
	1931	732	5,561	6,330	[14] 6,851	20,224	13,373
Trimmings (not made in textile mills); stamped art goods—regular factories.	1937	203	4,362	3,710	20,241	30,285	10,044
Trimmings (not made in textile mills); stamped art goods—contract factories.	1937	283	4,128	3,870	1,394	8,847	7,452
Trimmings (not made in textile mills); stamped art goods.	1935	488	6,148	5,687	15,184	28,863	13,679
	1933	365	5,113	4,075	[14] 12,347	23,120	10,773
	1931	520	6,212	6,853	13,824	30,308	16,485
Artificial leather; oilcloth, total	1937	33	3,810	5,173	27,788	40,425	12,637
	1935	33	3,648	4,199	23,277	34,321	11,045
	1933	30	3,203	3,416	15,011	26,236	11,225
	1931	30	3,170	4,288	17,330	29,181	11,843
Artificial leather	1937	25	2,541	3,475	18,413	27,607	9,194
	1935	25	2,254	2,577	14,009	21,218	7,209
	1933	22	1,952	1,955	8,148	13,584	5,436
	1931	21	1,941	2,477	9,083	15,195	6,112
Oilcloth	1937	8	1,269	1,698	9,374	12,817	3,443
	1935	8	1,394	1,623	9,267	13,103	3,836
	1933	8	1,251	1,461	6,864	12,653	5,789
	1931	9	1,229	1,811	8,256	13,986	5,730
Asphalted-felt-base floor covering; linoleum, total.	1937	16	8,107	11,378	32,908	69,184	36,276
	1935	16	6,410	8,105	23,942	52,398	28,456
	1933	18	5,092	5,347	16,320	41,812	25,492
	1931	21	4,841	6,329	17,017	42,977	25,960

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[12] Because of changes in classification of certain establishments, the figures for earlier years are not strictly comparable with those for 1937.
[14] Revised to include cost of contract work.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Textiles, etc.—Continued.							
Asphalted-felt-base floor covering	1937	13	3,280	4,773	17,630	33,548	15,918
	1935	12	2,694	3,480	12,558	28,371	15,814
	1933	13	2,271	2,546	9,564	22,714	13,150
	1931	15	1,946	2,734	9,151	19,993	10,842
Linoleum	1937	3	4,827	6,604	15,278	35,637	20,358
	1935	4	3,716	4,624	11,384	24,026	12,642
	1933	5	2,821	2,800	6,756	19,098	12,342
	1931	6	2,895	3,595	7,866	22,984	15,118
Forest products, total	1937	18,012	694,341	636,724	1,173,931	2,439,530	1,265,600
	1935	16,127	579,012	438,395	793,534	1,662,221	868,686
	1933	12,295	454,171	289,097	509,182	1,127,405	618,223
	1931	16,016	509,665	440,176	763,631	1,646,922	883,291
Basic industries, total	1937	8,692	326,394	276,113	369,805	880,540	510,735
	1935	6,924	283,309	190,125	230,930	573,291	342,362
	1933	4,676	216,461	119,117	130,595	368,985	238,389
	1931	6,010	225,831	163,833	167,715	463,117	295,402
Excelsior	1937	52	960	730	1,335	3,033	1,698
	1935	48	831	532	1,031	2,444	1,413
	1933	50	809	432	863	2,094	1,231
	1931	61	927	683	1,412	2,983	1,571
Lumber and timber products not elsewhere classified	1937	7,647	323,928	275,034	345,800	848,481	502,681
	1935	5,981	255,230	183,074	222,440	551,614	329,174
	1933	3,783	189,367	113,183	123,450	350,464	227,013
	1931	4,996	196,647	155,870	160,511	443,629	283,118
Turpentine and rosin	1937	993	1,506	350	22,670	29,025	6,356
	1935	895	27,248	6,519	7,468	19,233	11,765
	1933	843	26,285	5,501	6,282	16,427	10,145
	1931	953	28,257	7,280	5,793	16,506	10,713
Wood-reworking industries, total	1937	3,805	94,178	92,106	216,650	403,001	186,351
	1935	3,694	73,188	61,914	141,228	270,256	129,028
	1933	3,106	53,863	39,175	89,844	177,116	87,272
	1931	4,430	75,574	78,144	157,063	310,678	153,615
Lasts and related products	1937	48	1,444	1,833	1,624	5,433	3,809
	1935	48	1,496	1,911	1,459	5,521	4,062
	1933	47	1,404	1,687	1,308	5,044	3,737
	1931	51	1,497	2,020	1,683	5,747	4,065
Planing-mill products and other wooden products not elsewhere classified, made in planing mills not connected with sawmills	1937	2,858	66,814	67,745	174,795	312,552	137,758
	1935	2,753	48,297	42,179	109,108	196,272	87,164
	1933	2,356	35,388	26,117	67,880	124,235	56,355
	1931	3,453	54,493	58,552	125,760	235,681	109,920
Window and door screens and weather strip	1937	144	2,833	3,034	7,394	14,748	7,353
	1935	141	1,873	1,744	4,123	8,668	4,545
	1933	123	1,571	1,223	2,911	6,314	3,403
	1931	207	2,564	2,971	5,713	13,539	7,826
Wood turned and shaped and other wooden goods, not elsewhere classified	1937	755	23,087	19,493	32,837	70,268	37,431
	1935	752	21,522	16,080	26,537	59,794	33,257
	1933	580	15,500	10,147	17,746	41,523	23,777
	1931	719	17,020	14,602	23,907	55,710	31,804
Wooden-container industries, total	1937	1,294	48,173	36,169	87,624	160,350	72,726
	1935	1,344	45,122	29,600	70,113	130,486	60,373
	1933	1,217	42,007	24,183	59,078	108,952	49,874
	1931	1,490	43,277	33,056	73,825	139,016	65,192

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Forest products—Continued.							
Baskets and rattan and willow ware, not including furniture.	1937	194	9,308	5,126	6,963	16,651	9,687
	1935	204	9,006	4,603	5,750	14,492	8,741
	1933	184	8,371	3,625	4,900	12,435	7,536
	1931	223	8,428	5,257	6,314	16,347	10,033
Boxes, cigar, wooden and part wooden.	1937	69	3,296	2,322	2,681	7,128	4,447
	1935	72	3,176	2,000	2,227	6,161	3,934
	1933	77	3,426	1,782	2,209	5,904	3,695
	1931	92	3,777	2,564	3,473	8,859	5,386
Boxes, wooden, except cigar boxes.	1937	634	25,981	19,544	45,454	86,347	40,893
	1935	661	23,061	15,015	32,165	63,278	31,113
	1933	595	21,753	12,515	29,056	54,995	25,938
	1931	675	22,864	17,572	39,705	74,667	34,962
Cooperage	1937	397	9,588	9,177	32,527	50,225	17,698
	1935	407	9,879	7,982	29,972	46,556	16,584
	1933	361	8,457	6,261	22,913	35,618	12,705
	1931	500	8,208	7,663	24,333	39,143	14,810
Furniture and related industries, total.	1937	3,283	173,984	176,529	315,376	676,781	361,406
	1935	3,221	133,772	116,741	214,387	447,441	233,054
	1933	2,566	108,298	78,421	145,924	305,960	160,035
	1931	3,340	131,310	130,077	223,071	497,197	274,125
Billiard and pool tables, bowling alleys, and accessories.	1937	23	530	538	1,838	5,547	3,709
	1935	17	314	290	1,059	3,145	2,086
	1933	17	407	228	514	1,123	609
	1931	32	592	613	1,396	3,761	2,366
Furniture, including store and office fixtures.	1937	3,097	170,072	172,558	308,304	658,467	350,163
	1935	3,035	130,781	113,898	209,151	434,444	225,293
	1933	2,411	105,488	76,346	142,587	297,730	155,143
	1931	3,148	127,605	125,972	217,896	482,289	264,393
Mirror and picture frames	1937	163	3,382	3,433	5,234	12,767	7,534
	1935	169	2,677	2,552	4,177	9,852	5,675
	1933	138	2,403	1,847	2,823	7,107	4,284
	1931	160	3,113	3,492	3,780	11,146	7,367
Other allied industries, total.	1937	938	51,612	55,808	184,476	318,357	134,382
	1935	944	43,621	40,016	136,867	240,747	103,880
	1933	*750*	*33,545*	*28,202*	*83,741*	*166,393*	*82,652*
	1931	746	33,673	35,065	141,957	236,913	94,957
Caskets, coffins, burial cases, and other morticians' goods.	1937	521	13,678	15,120	33,628	71,757	38,128
	1935	548	13,779	13,817	29,479	65,653	36,174
	1933	396	12,155	11,337	25,674	58,740	33,066
	1931	399	11,932	14,225	28,519	69,810	41,291
Cork products	1937	35	3,599	4,136	13,905	21,783	7,879
	1935	34	3,033	2,776	7,268	13,987	6,719
	1933	30	2,797	2,168	5,277	11,604	6,327
	1931	31	3,018	3,027	6,617	14,877	8,260
Matches	1937	25	5,261	5,392	20,214	30,902	10,688
	1935	24	5,075	4,693	19,039	30,440	11,401
	1933	18	4,726	4,037	11,679	26,373	14,693
	1931	19	3,369	3,493	10,875	18,473	7,597
Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified.	1937	160	16,673	19,822	32,045	77,716	45,671
	1935	153	12,749	12,090	21,300	50,299	28,999
	1933	101	6,840	5,927	10,023	25,731	15,708
	1931	86	5,654	6,105	10,805	27,239	16,435

[1] *Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.*

[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Forest products—Continued.							
Wood preserving	1937	197	12,401	11,338	84,684	116,700	32,015
	1935	185	8,985	6,639	59,781	80,368	20,587
	1933	185	7,027	4,233	31,087	43,945	12,858
	1931	211	9,700	8,214	85,141	106,514	21,374
Paper and allied products, total	1937	3,053	264,455	307,270	1,208,154	2,060,849	852,695
	1935	2,945	235,665	235,725	887,346	1,523,186	635,840
	1933	2,697	196,380	172,842	654,647	1,172,743	518,096
	1931	2,883	194,581	214,337	758,010	1,357,582	599,572
Paper and pulp, total	1937	841	137,803	175,650	721,101	1,205,132	484,031
	1935	779	126,971	133,602	525,499	879,002	353,503
	1933	781	107,298	99,194	393,663	695,654	301,991
	1931	[10] 848	107,902	126,886	495,089	851,530	356,442
Pulp (wood and other fiber)	1937	194	26,994	33,570	153,652	247,192	93,540
	1935	188	23,627	23,401	96,178	167,208	71,030
	1933	181	20,074	18,103	81,896	134,692	52,796
	1931	[10] 198	20,219	22,844	110,668	166,559	55,891
Paper	1937	647	110,809	142,080	567,449	957,940	390,491
	1935	591	103,344	110,200	429,320	711,793	282,473
	1933	600	87,224	81,091	311,767	560,963	249,196
	1931	650	87,683	104,042	384,420	684,971	300,551
Converted paper products, total.	1937	2,212	126,652	131,619	487,053	855,717	368,664
	1935	2,166	108,694	102,123	361,847	644,185	282,338
	1933	1,916	89,082	73,648	260,984	477,089	216,105
	[20] 1931	2,069	89,186	89,936	271,005	520,921	249,916
Bags, paper, exclusive of those made in paper mills.	1937	107	10,360	9,850	53,424	82,458	29,034
	1935	107	9,120	8,038	41,766	65,564	23,798
	1933	96	7,665	5,813	29,296	49,379	20,084
	1931	95	6,836	6,423	33,427	54,291	20,864
Boxes, paper, not elsewhere classified.	1937	1,257	65,158	66,025	238,500	409,475	170,974
	1935	1,214	55,276	50,579	168,915	298,648	129,733
	1933	1,104	47,220	37,614	126,326	223,004	96,679
	1931	1,214	46,722	44,085	113,251	217,872	104,621
Cardboard, not made in paper mills.	1937	16	877	814	2,925	5,379	2,454
	1935	16	628	641	1,947	3,694	1,748
	1933	12	492	452	1,406	2,793	1,388
	1931	12	520	599	1,656	3,594	1,938
Card cutting and designing	1937	77	3,315	4,138	9,369	21,138	11,769
	1935	76	2,951	2,845	7,710	17,216	9,506
	1933	64	1,804	1,535	4,029	10,138	6,108
	1931	72	2,041	2,408	6,674	15,953	9,279
Envelopes	1937	162	9,511	10,503	25,107	51,290	26,183
	1935	166	9,038	9,087	20,900	43,618	22,718
	1933	163	7,981	6,755	15,918	33,896	17,978
	1931	162	8,924	9,658	22,452	46,943	24,491
Paper goods not elsewhere classified.	1937	551	32,888	34,835	145,809	259,206	113,397
	1935	547	27,416	26,448	110,719	195,786	85,068
	1933	438	20,681	18,304	77,158	142,079	64,921
	[20] 1931	464	20,409	22,769	84,395	162,074	77,679
Wallpaper	1937	42	4,543	5,455	11,920	26,772	14,852
	1935	40	4,265	4,486	9,890	19,658	9,768
	1933	39	3,239	3,116	6,851	15,800	8,948
	1931	50	3,734	3,994	9,150	20,194	11,044

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[10] Revised; revision not carried into group total.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Printing, publishing, and allied industries, total.	1937	22,751	353,108	532,985	793,092	2,585,699	1,792,607
	1935	22,606	304,842	446,372	613,446	2,164,995	1,551,550
	1933	19,293	262,993	354,320	375,843	1,726,425	1,350,583
	1931	24,789	315,306	535,962	578,080	2,487,825	1,909,744
Printing and publishing, total.	1937	19,831	276,583	416,930	676,592	2,205,826	1,529,234
	1935	19,840	245,376	361,662	536,934	1,891,639	1,354,704
	1933	16,867	213,786	292,472	[14] 422,372	1,524,990	1,102,618
	[20] 1931	21,978	255,480	438,630	[14] 647,871	2,212,267	1,564,397
Printing and publishing, book, music, and job.	1937	10,587	141,368	195,050	283,571	809,795	526,224
	1935	10,961	126,602	168,772	233,080	698,820	464,840
	1933	9,224	104,699	128,982	[14] 175,049	519,990	344,942
	[20] 1931	11,767	135,977	212,931	[14] 262,881	804,019	541,138
Printing and publishing, newspaper and periodical.	1937	9,244	135,215	221,881	303,021	1,306,031	1,003,010
	1935	8,879	118,684	192,890	302,954	1,192,819	889,865
	1933	7,633	109,087	163,490	[14] 247,323	1,004,990	757,676
	1931	10,211	119,503	225,699	[14] 384,900	1,408,248	1,023,259
Allied industries, total	1937	2,920	76,525	116,055	116,500	379,873	263,373
	1935	2,766	59,466	84,710	76,511	273,356	196,845
	1933	2,436	49,207	61,849	56,221	201,436	145,215
	1931	2,819	60,845	98,538	73,101	280,848	207,747
Bookbinding and blank-book making.	1937	997	25,333	28,665	30,745	94,822	64,077
	1935	1,022	20,454	21,796	22,018	73,315	51,297
	1933	863	16,865	16,091	[14] 16,540	56,011	39,471
	1931	1,050	21,216	25,356	[14] 22,504	79,780	57,276
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1937	77	2,152	2,771	2,865	8,881	6,016
	1935	101	2,100	2,449	2,752	7,661	4,909
	1933	77	1,089	1,094	921	3,425	2,505
	1931	133	1,407	2,048	1,440	5,607	4,168
Engraving, steel, copperplate, and wood, and plate printing.	1937	435	7,831	9,883	8,115	29,436	21,321
	1935	388	5,300	6,521	4,818	20,124	15,306
	1933	343	5,033	5,265	3,637	16,223	12,585
	1931	432	6,995	9,503	6,425	27,425	21,001
Lithographing	1937	552	24,079	35,928	54,319	137,731	83,412
	1935	387	17,088	24,158	34,305	92,047	57,742
	1933	346	14,579	18,123	[14] 25,996	68,188	42,193
	1931	364	16,215	25,723	[14] 30,688	87,433	56,745
Photoengraving, not done in printing establishments.	1937	641	12,364	29,113	15,303	77,962	62,659
	1935	662	9,408	21,342	8,787	53,342	44,555
	1933	600	7,907	14,788	[14] 6,518	37,583	31,064
	1931	617	10,095	24,990	[14] 8,453	56,020	47,566
Stereotyping and electrotyping, not done in printing establishments.	1937	218	4,766	9,694	5,153	31,043	25,890
	1935	206	4,417	8,444	3,831	26,867	23,036
	1933	207	3,734	6,488	2,609	20,006	17,397
	1931	223	4,857	10,917	3,590	24,582	20,991
Chemicals and allied products, total.	1937	7,419	314,520	381,405	1,927,948	3,721,531	1,793,583
	1935	7,419	276,434	285,875	1,448,832	2,837,315	1,388,483
	1933	6,527	237,480	220,771	968,473	2,117,513	1,149,041
	1931	7,444	230,370	263,271	1,255,459	2,650,635	1,395,176
Chemicals and allied products other than animal and vegetable oils, total.	1937	6,831	292,640	366,055	1,598,676	3,315,675	1,716,999
	1935	6,818	258,922	275,280	1,207,808	2,543,885	1,335,986
	1933	5,960	220,507	212,519	838,522	1,947,491	1,108,969
	1931	6,835	215,176	251,063	1,035,312	2,376,978	1,341,667

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[14] Revised to include cost of contract work.
[20] Revised; revision not carried into group total.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Chemicals, etc.—Continued.							
Ammunition and related products.	1937	15	6,596	7,584	16,462	37,443	20,981
	1935	13	5,599	5,121	10,354	26,308	15,954
	1933	8	5,305	4,429	9,397	24,402	15,005
	1931	9	5,336	4,428	9,427	25,112	15,685
Baking powder, yeast, and other leavening compounds.	1937	40	2,380	3,761	13,330	30,279	16,949
	1935	46	2,666	4,278	14,403	32,341	17,938
	1933	40	2,690	3,654	13,112	31,975	18,863
	1931	45	2,881	4,798	20,746	47,027	26,281
Blacking, stains, and dressings	1937	147	1,536	1,480	7,988	19,183	11,194
	1935	167	1,498	1,467	8,396	17,932	9,536
	1933	154	1,625	1,504	6,909	19,056	12,146
	1931	156	1,501	1,666	6,941	20,343	13,402
Bluing	1937	14	67	69	350	1,120	778
	1935	15	58	55	287	912	624
	1933	16	77	86	323	1,033	710
	1931	20	95	94	402	1,179	777
Bone black, carbon black, and lampblack.	1937	62	2,190	2,712	7,236	18,354	11,618
	1935	55	1,828	1,937	5,334	14,811	9,477
	1933	48	1,449	1,206	4,010	8,507	4,497
	1931	62	1,039	1,344	5,022	9,535	4,513
Candles	1937	22	725	686	2,624	5,352	2,727
	1935	23	713	599	2,400	4,734	2,334
	1933	19	673	561	1,844	4,128	2,284
	1931	23	713	711	2,481	5,396	2,915
Chemicals not elsewhere classified.	1937	601	78,951	117,221	455,062	932,750	477,688
	1935	570	65,838	80,481	330,134	668,697	338,564
	1933	541	53,190	59,229	221,453	476,503	255,049
	1931	558	48,522	66,360	246,068	533,175	287,107
Cleaning and polishing preparations.	1937	363	3,341	3,943	23,644	57,871	34,228
	1935	395	2,824	3,033	17,295	42,407	25,112
	1933	327	2,755	2,722	14,753	41,048	26,296
	1931	388	2,449	2,969	16,979	48,007	31,028
Compressed and liquefied gases	1937	356	4,655	6,591	14,244	56,418	42,174
	1935	330	3,788	4,408	11,239	42,019	30,780
	1933	326	2,763	3,154	8,586	32,007	23,421
	1931	349	2,844	3,806	10,135	41,806	31,672
Drug grinding	1937	21	699	849	4,762	7,935	3,173
	1935	21	590	601	3,379	5,916	2,537
	1933	22	630	614	3,448	6,399	2,951
	1931	23	661	711	5,457	9,159	3,702
Drugs and medicines	1937	1,013	24,095	26,116	98,822	345,918	247,097
	1935	1,056	22,128	21,979	83,704	291,733	208,030
	1933	996	19,683	18,798	70,594	257,013	186,419
	1931	1,197	21,023	23,194	82,356	313,563	231,206
Explosives	1937	77	5,406	8,620	24,213	58,181	33,969
	1935	74	4,570	5,647	17,013	40,667	23,655
	1933	66	4,168	4,135	12,705	35,106	22,401
	1931	78	4,733	5,572	19,519	46,258	26,739
Fertilizers	1937	743	20,893	15,364	130,081	195,759	65,678
	1935	670	17,473	10,967	93,382	140,386	47,004
	1933	522	13,063	7,274	69,053	94,939	25,886
	1931	599	14,551	12,146	106,481	154,350	47,869

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Chemicals, etc.—Continued.							
Fireworks and allied products	1937	50	1,760	1,621	3,695	8,128	4,433
	1935	52	1,588	1,309	2,649	6,504	3,855
	1933	46	1,420	1,122	2,046	5,979	3,933
	1931	48	1,887	1,661	2,992	6,976	3,985
Glue and gelatin	1937	75	3,547	4,565	23,391	40,650	17,259
	1935	74	3,253	3,534	15,076	28,161	13,085
	1933	63	2,013	2,033	8,328	17,163	8,834
	1931	72	2,559	3,325	15,460	27,516	12,055
Grease and tallow, not including lubricating greases.	1937	266	5,200	6,763	32,980	52,269	19,289
	[4] 1935	259	4,761	5,390	22,214	39,836	17,622
	1933	201	3,988	4,099	14,141	26,238	12,097
	1931	238	4,067	5,225	17,533	29,241	11,708
Ink, printing	1937	184	2,793	4,085	25,104	47,347	22,243
	1935	101	2,370	3,234	[4] 18,602	34,535	[4] 15,933
	1933	160	2,094	2,663	12,604	26,166	13,563
	1931	171	2,247	3,479	14,532	32,188	17,656
Ink, writing	1937	17	366	370	1,500	3,476	1,976
	1935	22	377	380	1,415	3,382	1,967
	1933	22	355	321	1,226	2,522	1,296
	1931	23	347	363	1,463	3,535	2,073
Insecticides and fungicides, and industrial and household chemical compounds not elsewhere classified.	1937	573	4,322	4,659	34,103	71,168	37,065
	1935	546	3,466	3,401	24,394	53,429	29,036
	1933	380	1,977	1,856	11,211	27,908	16,698
	1931	498	2,650	3,015	20,640	54,756	34,117
Mucilage, paste, and other adhesives, except glue and rubber cement.	1937	61	295	313	2,165	4,210	2,045
	1935	66	267	289	[4] 1,767	3,633	[4] 1,866
	1933	55	213	237	1,295	2,478	1,184
	1931	69	282	350	1,889	3,621	1,732
Paints, pigments, and varnishes	1937	1,124	31,664	42,751	312,085	538,461	226,375
	1935	1,082	27,686	32,187	232,164	417,000	184,836
	1933	961	22,880	23,791	153,026	289,442	136,416
	1931	1,039	22,521	29,425	193,737	350,726	156,989
Perfumes, cosmetics, and other toilet preparations.	1937	478	10,158	9,262	53,905	132,336	78,431
	1935	558	9,662	8,586	44,759	119,529	74,770
	1933	490	8,978	7,470	33,175	97,049	63,874
	1931	658	10,026	9,674	44,184	153,818	109,634
Rayon and allied products	1937	33	55,008	65,291	80,616	254,697	174,081
	1935	32	50,550	50,693	64,513	185,160	120,646
	1933	34	44,306	38,613	44,031	156,932	112,900
	1931	32	38,735	38,231	36,181	132,632	96,452
Salt	1937	46	4,616	5,279	11,212	32,741	21,528
	1935	48	4,970	4,884	10,934	29,720	18,786
	1933	50	5,036	4,814	9,154	29,011	19,857
	1931	53	4,728	5,549	10,864	31,430	20,566
Soap	1937	232	14,008	19,075	185,170	301,292	116,122
	1935	238	13,911	15,339	139,493	239,152	99,659
	1933	235	14,304	14,140	93,507	200,128	106,621
	1931	248	14,163	17,740	121,829	257,719	135,889
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1937	158	2,812	3,000	22,603	35,685	13,081
	1935	154	2,651	2,636	19,706	33,639	13,933
	1933	124	2,141	2,212	13,518	23,322	9,804
	1931	116	1,962	2,390	15,521	26,469	10,948

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Chemicals, etc.—Continued.							
Wood distillation and charcoal manufacture.	1937	60	4,467	4,024	11,328	26,145	14,817
	1935	60	3,808	2,816	7,923	15,971	8,047
	1933	54	2,731	1,782	5,073	11,036	5,963
	1931	63	2,654	2,745	6,474	11,440	4,966
Animal and vegetable oils, total.	1937	588	21,880	15,351	329,273	405,857	76,584
	1935	601	17,512	10,595	240,934	293,431	52,497
	1933	567	16,973	8,252	129,951	170,022	40,072
	1931	609	15,194	12,207	220,147	273,657	53,509
Oil, cake, and meal, cottonseed	1937	447	16,583	8,532	195,747	242,043	46,296
	1935	458	13,226	5,912	160,552	187,887	27,336
	1933	475	14,242	5,376	78,229	104,212	25,982
	1931	504	12,208	8,335	147,165	181,347	34,182
Oil, cake, and meal, linseed	1937	23	2,628	3,591	74,481	90,357	15,875
	1935	25	2,350	2,650	48,815	60,264	11,449
	1933	22	1,625	1,684	33,853	40,463	6,610
	1931	28	1,837	2,278	50,306	62,883	12,576
Oils, essential	1937	13	195	266	2,933	3,981	1,048
	1935	12	166	219	2,603	3,542	939
	1933	12	175	222	2,243	3,094	851
	1931	12	128	199	2,707	3,505	798
Oils not elsewhere classified	1937	105	2,474	2,962	56,111	69,476	13,365
	1935	106	1,770	1,814	[4] 30,918	41,737	[4] 10,819
	1933	58	931	970	15,625	22,254	6,629
	1931	65	961	1,394	19,970	25,922	5,952
Products of petroleum and coal, total. [21]	1937	675	106,473	176,904	2,366,802	2,954,465	587,662
	1935	688	96,370	133,854	1,686,859	2,118,307	431,448
	1933	668	84,203	107,669	1,206,372	1,576,013	369,641
	1931	679	85,623	132,925	1,399,154	1,797,066	397,911
Coke-oven products	1937	94	20,603	33,103	273,068	357,469	84,401
	1935	88	16,694	21,575	180,557	238,704	58,147
	1933	97	13,066	15,527	123,275	165,731	42,456
	1931	112	14,383	22,134	162,793	226,509	63,716
Fuel briquets	1937	21	457	547	4,041	6,138	2,097
	1935	25	341	386	3,394	4,913	1,519
	1933	24	296	262	1,886	2,944	1,058
	1931	23	301	357	3,035	4,568	1,533
Lubricating oils and greases, not made in petroleum refineries.	1937	195	2,231	2,839	25,387	44,113	18,725
	1935	180	1,933	2,282	20,972	36,069	15,096
	1933	158	1,794	2,087	16,774	28,702	11,928
	1931	168	2,115	2,960	22,809	41,704	18,895
Petroleum refining	1937	365	83,182	140,415	2,064,307	2,546,746	482,439
	1935	395	77,402	109,611	1,481,936	1,838,622	356,686
	1933	389	69,047	80,793	1,064,437	1,378,637	314,200
	1931	376	68,824	107,474	1,210,517	1,524,285	313,768

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.
[21] This group formerly included "Gas, manufactured, illuminating and heating." At the Census for 1937 this was discontinued as a manufactures industry classification; the figures for earlier years have been revised accordingly.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Rubber products, total	1937	478	129,818	171,305	514,260	883,033	368,772
	1935	466	114,681	133,715	368,811	677,659	308,848
	1933	408	106,283	99,117	211,397	472,744	261,347
	1931	453	99,250	112,596	252,807	614,205	361,398
Rubber tires and inner tubes	1937	46	63,200	96,707	366,858	575,860	209,002
	1935	42	57,128	78,253	265,515	446,092	180,576
	1933	44	52,976	54,737	139,392	299,313	159,921
	1931	48	49,159	63,089	173,604	406,283	232,679
Boots and shoes, rubber	1937	12	18,356	20,422	27,475	64,455	36,981
	1935	12	17,246	16,113	20,821	53,102	32,341
	1933	13	18,102	14,440	14,124	42,019	27,895
	1931	15	15,882	13,770	12,298	47,905	35,607
Rubber goods other than tires, inner tubes, and boots and shoes.	1937	420	48,172	54,176	119,927	242,717	122,790
	1935	412	40,307	30,348	82,475	178,405	95,931
	1933	351	35,205	29,939	57,881	131,411	73,531
	1931	390	34,218	35,738	66,965	160,077	93,112
Leather and its manufactures, total.	1937	3,364	331,955	311,293	899,469	1,491,513	592,043
	1935	3,506	310,755	279,740	694,293	1,224,431	530,139
	1933	3,265	282,000	222,487	544,737	996,773	452,036
	1931	3,702	272,757	262,130	666,200	1,189,876	523,676
Leather: Tanned, curried, and finished. [23]	1937	402	50,687	61,288	281,506	395,022	113,516
	1935	384	50,877	55,683	199,411	308,345	108,934
	1933	374	44,191	43,076	138,177	237,202	99,025
	1931	418	42,047	49,542	172,786	271,138	98,352
Leather: Tanned, curried, and finished—regular factories.[23]	1937	331	48,132	58,332	279,220	387,908	108,688
Leather: Tanned, curried, and finished—contract factories.[23]	1937	71	2,555	2,956	2,286	7,114	4,828
Leather products, total	1937	2,962	281,268	250,004	617,963	1,096,490	478,527
	1935	3,122	259,878	224,056	494,882	916,086	421,205
	1933	2,891	237,811	179,411	406,561	759,571	353,010
	1931	3,284	230,710	212,588	493,415	918,738	425,324
Belting and packing, leather	1937	182	2,829	3,355	15,529	27,901	12,372
	1935	187	2,362	2,520	11,574	21,522	9,948
	1933	152	1,684	1,733	7,018	14,880	7,862
	1931	178	1,640	1,968	7,302	14,522	7,220
Boot and shoe cut stock and findings.	1937	470	18,755	17,844	95,088	132,660	36,672
	1935	498	18,275	16,781	76,317	111,579	35,261
	1933	487	16,798	13,918	61,864	93,293	31,429
	1931	552	17,672	16,412	82,274	117,101	34,827
Boots and shoes, other than rubber.	1937	1,080	215,438	191,305	416,305	768,327	352,022
	1935	1,024	202,113	172,349	333,799	643,872	310,073
	1933	1,132	190,914	142,054	286,308	553,425	267,122
	1931	1,156	181,374	163,271	337,627	653,880	316,252
Gloves and mittens, leather	1937	221	11,637	9,039	15,720	30,718	14,999
	1935	224	9,810	8,500	13,874	28,131	14,257
	1933	194	8,120	6,434	11,377	23,470	12,093
	1931	227	7,884	7,554	13,136	28,024	14,887

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[23] At the census for 1937 the "Leather: Tanned, curried, and finished" industry was separated into 2 industries, "Leather: Tanned, curried, and finished—regular factories" and "Leather: Tanned, curried, and finished—contract factories." No separation of the statistics was made for years prior to 1937.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Leather, etc.—Continued.							
Handbags and purses, women's. [23]	1937	203	11,306	9,054	24,756	43,446	18,690
Leather goods—small articles [23]	1937	68	2,443	1,850	5,342	10,217	4,875
Leather goods not elsewhere classified. [23]	1937	322	7,103	6,399	15,679	31,084	15,405
Pocketbooks, purses, and card cases. [23]	1935	324	11,406	9,232	23,288	42,992	19,704
	1933	218	8,107	5,954	15,349	28,345	12,996
	1931	260	8,747	9,793	22,601	43,147	20,546
Leather goods not elsewhere classified. [23]	1935	401	6,024	5,421	13,358	26,385	13,027
	1933	291	4,547	3,516	9,176	18,425	9,250
	1931	355	5,221	5,321	11,974	26,012	14,038
Saddlery, harness, and whips	1937	139	3,049	2,699	8,110	13,417	5,306
	1935	157	3,234	2,919	7,739	13,357	5,618
	1933	147	2,515	2,054	6,146	10,364	4,218
	1931	185	1,974	1,926	5,268	9,339	4,071
Trunks, suitcases, brief cases, bags, and other luggage.	1937	277	8,708	8,458	20,534	38,720	18,186
	1935	307	6,654	6,336	14,932	28,248	13,317
	1933	270	5,117	3,749	9,328	17,368	8,040
	1931	371	6,198	6,343	13,232	26,715	13,483
Stone, clay, and glass products, total.	1937	6,071	300,278	348,521	523,112	1,395,858	872,746
	1935	5,722	233,205	226,140	353,709	946,480	592,771
	1933	4,528	173,000	142,142	212,155	608,699	396,545
	1931	6,408	222,856	248,860	316,468	925,318	608,850
Industries using stone as a material, total.	1937	3,578	110,171	130,333	250,317	628,892	378,575
	[24] 1935	3,395	81,302	80,231	155,255	408,786	253,531
	[24] 1933	2,556	61,620	54,013	96,549	273,195	176,646
	[24] 1931	3,762	84,787	107,105	165,666	463,441	297,774
Abrasive wheels, stones, paper, and cloth, and related products.	1937	103	9,670	14,250	29,339	77,954	48,615
	1935	94	6,776	8,351	20,734	53,867	33,133
	1933	77	4,890	4,981	11,349	30,159	18,810
	1931	73	4,614	5,540	11,727	31,647	19,919
Asbestos products other than steam packing and pipe and boiler covering.	1937	73	13,023	14,157	29,494	63,794	34,300
	1935	72	9,622	9,293	17,178	38,163	20,985
	1933	58	6,084	5,075	10,780	25,255	14,466
	1931	67	6,009	6,452	13,837	35,174	21,337
Cement	1937	158	26,426	34,070	69,979	183,201	113,222
	1935	153	20,698	20,904	43,089	120,417	77,328
	1933	148	15,829	13,870	26,932	86,921	59,989
	1931	164	24,317	29,884	56,098	148,845	92,747
Concrete products	1937	1,382	12,840	13,781	35,453	76,174	40,721
	1935	1,224	8,399	7,834	20,228	44,967	24,745
	1933	766	4,422	3,592	9,289	20,538	11,249
	1931	1,432	9,253	10,728	22,373	53,192	30,819

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.

[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

[23] At the census for 1937 "Handbags and purses, women's," "Leather goods—small articles;" and "Leather goods not elsewhere classified" were established as separate industry classifications. The establishments comprising these industries were formerly in the industries "Pocketbooks, purses, and card cases" and "Leather goods not elsewhere classified." Comparable figures are not available for classifications established for 1937.

[24] At the census for 1937 "Nonclay refractories" was established as a separate industry classification; data were formerly included in the "Clay products" industry. The figures for 1935 and 1933 for the latter industry have been revised by excluding data for nonclay refractories, but no segregation has been made for 1931. The subgroup totals have been revised for the years 1935 and 1933.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Stone, etc.—Continued.							
Gypsum products [23]	1937	70	5,207	6,591	16,681	42,617	25,935
	1935	72	3,382	3,444	8,921	26,288	17,368
Lime	1937	203	9,751	9,610	13,287	35,022	21,735
	1935	189	7,497	6,052	8,040	23,322	14,382
	1933	167	5,972	4,079	6,543	16,200	9,657
	1931	203	6,706	6,012	8,896	22,200	13,304
Marble, granite, slate, and other stone, cut and shaped.	1937	1,403	20,816	24,381	27,349	79,006	51,657
	1935	1,404	15,224	16,192	18,756	56,478	37,722
	1933	1,129	16,541	16,760	17,777	55,041	37,264
	1931	1,588	27,700	41,651	34,405	119,395	84,990
Nonclay refractories [24]	1937	40	5,641	6,331	12,538	28,457	15,919
	1935	43	4,861	4,023	8,153	20,771	12,618
	1933	40	3,394	2,139	4,813	12,151	7,338
Sand-lime brick	1937	23	414	460	545	1,618	1,073
	1935	20	227	199	270	654	385
	1933	10	84	61	74	205	131
	1931	31	322	357	461	1,268	806
Wallboard and plaster (except gypsum), building insulation, and floor composition.[25]	1937	114	6,383	6,691	15,652	41,049	25,398
	1935	124	4,616	3,938	8,992	23,859	14,867
Wallboard, insulating board, gypsum and other plasters, and floor composition.[25]	1933	172	4,604	3,679	9,439	27,610	18,172
	1931	214	6,451	7,111	18,913	54,504	35,681
Industries using clay as a material, total.	1937	1,727	98,404	102,630	91,346	291,247	199,901
	[24] 1935	1,582	74,078	63,570	59,113	185,030	125,918
	[24] 1933	1,334	55,062	37,347	33,611	110,679	77,068
	[24] 1931	1,807	80,969	75,223	59,977	209,286	149,309
China firing and decorating, not done in potteries.	1937	16	306	359	762	1,690	927
	1935	19	278	224	645	1,267	622
	1933	14	152	127	378	762	384
	1931	21	220	236	551	1,128	577
Clay products (other than pottery).	1937	1,198	59,585	57,844	50,975	163,262	112,286
	[24] 1935	1,031	39,722	30,579	29,931	90,427	60,496
	[24] 1933	888	28,550	16,828	15,181	52,452	37,271
	[24] 1931	1,264	51,128	44,368	36,969	127,336	90,367
Graphite, ground and refined	1937	6	56	74	729	1,078	349
	1935	9	256	261	942	2,122	1,180
	1933	10	168	146	763	1,490	727
	1931	9	183	183	976	1,962	986
Minerals and earths, ground or otherwise treated.	1937	157	4,539	4,898	11,613	27,161	15,548
	1935	161	4,258	3,614	8,919	21,545	12,626
	1933	107	1,874	1,565	4,389	9,684	5,295
	1931	88	1,090	1,127	3,817	7,295	3,478

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.

[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not avilable except for a few industries.

[24] At the census for 1937 "Nonclay refractories" was established as a separate industry classification; data were formerly included in the "Clay products" industry. The figures for 1935 and 1933 for the latter industry have been revised by excluding data for nonclay refractories, but no segregation has been made for 1931. The subgroup totals have been revised for the years 1935 and 1933.

[25] The "Gypsum products" and "Wallboard and plaster (except gypsum), building insulation, and floor composition" industries were treated as a single industry, "Wallboard, insulating board, gypsum and other plasters, and floor composition" prior to 1935. The 1933 and 1931 figures for the latter industry have been revised to include data for mineral wool, formerly assigned to "Steam and other packing," etc., but this revision was not carried into totals for subgroup and group.

267706°—41——54

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Stone, etc.—Continued.							
Pottery, including porcelain ware.	1937	251	33,060	38,329	26,252	94,726	68,474
	1935	257	28,845	28,088	18,003	66,778	48,775
	1933	231	23,632	17,891	12,179	43,718	31,539
	1931	275	27,023	26,981	16,393	65,866	49,473
Statuary and art goods (except concrete), factory production.	1937	99	858	1,126	1,015	3,331	2,316
	1935	105	719	803	[4] 776	2,892	[4] 2,116
	1933	84	686	789	721	2,574	1,853
	1931	150	1,325	2,328	1,271	5,700	4,429
Glass and manufactures of glass, total.	1937	766	91,703	115,568	181,449	475,719	294,270
	1935	745	77,825	82,339	139,341	352,664	213,323
	1933	638	56,317	50,781	81,995	224,825	142,830
	1931	839	57,100	66,531	90,824	252,592	161,767
Glass	1937	232	79,051	101,588	140,705	387,710	247,005
	1935	213	67,138	71,443	110,041	283,925	173,884
	1933	213	49,797	45,222	63,410	191,948	128,538
	1931	229	49,917	57,882	73,575	216,265	142,690
Mirrors and other glass products made of purchased glass.	1937	534	12,652	13,981	40,744	88,009	47,265
	1935	532	10,687	10,896	29,300	68,738	39,438
	1933	425	6,520	5,559	18,585	32,877	14,292
	1931	610	7,183	8,650	17,250	36,327	19,077
Iron and steel and their products, not including machinery.	1937	8,345	1,166,287	1,661,045	4,047,687	7,480,360	3,432,674
	[26] 1935	8,105	879,089	991,207	2,511,698	4,588,958	2,077,260
	[26] 1933	7,055	655,536	585,521	1,522,536	2,768,962	1,246,426
	[26] 1931	6,531	626,331	735,787	1,859,989	3,400,102	1,540,113
Crude iron and steel and rolled products, total.	1937	497	502,417	817,778	2,378,626	4,003,017	1,624,391
	1935	468	374,808	458,584	1,412,280	2,305,970	893,681
	1933	466	288,945	270,367	876,046	1,357,574	481,529
	1931	526	278,206	357,645	1,091,015	1,714,214	623,199
Blast-furnace products	1937	87	23,075	38,001	544,881	672,525	127,644
	1935	72	15,178	18,916	300,658	374,651	73,993
	1933	72	12,098	11,564	183,957	213,685	29,729
	1931	80	13,572	19,259	259,132	311,371	52,240
Steel-works and rolling-mill products (including all departments, such as bolt and nut, wire, tin plate, etc.).	1937	410	479,342	779,776	1,833,745	3,330,491	1,496,747
	1935	396	359,630	439,669	1,111,631	1,931,318	819,688
	1933	394	276,847	258,803	692,089	1,143,889	451,800
	1931	446	264,634	338,387	831,884	1,402,843	570,959
Other iron and steel products, total.	1937	7,848	663,870	843,267	1,669,061	3,477,344	1,808,283
	[26] 1935	7,637	504,281	532,623	1,099,409	2,282,988	1,183,580
	[26] 1933	6,589	366,594	315,154	646,490	1,411,387	764,897
	[26] 1931	6,005	348,125	378,142	768,973	1,685,888	916,915
Boiler-shop products [27]	1937	453	24,485	33,842	82,979	165,280	82,301
	1935	413	13,290	14,770	36,598	73,170	36,572
	1933	292	9,805	9,094	23,481	45,866	22,386

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.

[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

[4] Revised; revision not carried into subgroup or group total.

[26] Figures for 1935 and 1933 revised to include figures for "Boiler-shop products" and "Foundry products (gray-iron and malleable-iron)" transferred from "Machinery, not including transportation equipment" group; no revision has been made in the figures for 1931.

[27] Prior to the census for 1937 in "Machinery, not including transportation equipment" group. No separate figures for 1931; at that census included in the abandoned industry "Foundry and machine-shop products."

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Iron and steel, etc.—Con.							
Bolts, nuts, washers, and rivets [28]	1937	138	16,840	22,088	44,342	98,079	53,737
	1935	137	12,506	13,375	29,300	57,420	28,120
	1933	103	8,486	7,155	15,350	32,874	17,523
	1931	116	10,518	10,177	16,872	39,483	22,611
Cast-iron pipe and fittings	1937	75	17,613	18,083	25,441	61,118	35,677
	1935	71	13,543	10,370	14,810	37,870	23,060
	1933	71	9,454	5,847	8,992	20,916	11,924
	1931	78	16,066	14,559	20,977	47,938	26,960
Doors, shutters, and window sash and frames, molding, and trim, metal.	1937	154	8,408	11,879	20,053	49,915	29,862
	1935	134	4,533	5,093	10,284	22,740	12,456
	1933	125	3,572	3,123	5,953	13,377	7,423
	1931	139	6,816	8,898	14,572	35,608	21,036
Firearms	1937	21	6,847	9,670	4,333	21,555	17,222
	1935	22	4,855	5,499	3,412	13,027	9,615
	1933	22	3,382	3,164	2,169	9,214	7,045
	1931	24	4,264	4,711	2,501	10,611	8,110
Forgings [28]	1937	194	18,255	27,659	63,224	122,835	59,611
	1935	185	12,253	15,107	35,108	66,351	31,243
	1933	181	7,953	7,354	16,896	32,523	15,627
	1931	202	9,071	11,444	22,657	47,700	25,043
Foundry products (gray-iron and malleable-iron).[27]	1937	1,239	120,024	158,588	141,723	397,303	255,580
	1935	1,251	89,894	98,512	90,275	250,460	160,185
	1933	1,078	59,321	49,414	43,543	142,722	99,179
Galvanizing and other coating [29]	1937	64	1,119	1,376	2,527	5,994	3,467
	1935	65	1,201	1,269	2,133	5,194	3,061
	1933	54	761	661	1,164	2,691	1,527
	1931	60	1,011	1,170	1,669	4,060	2,391
Hardware not elsewhere classified	1937	428	53,000	65,274	80,736	219,082	132,346
	1935	405	41,473	42,386	57,747	147,677	89,930
	1933	381	32,550	26,937	30,040	85,077	55,037
	1931	451	36,118	37,269	38,318	115,900	77,582
Heating and cooking apparatus, except electric.[30]	1937	830	89,287	111,788	180,105	439,285	259,181
	1935	834	68,820	73,041	115,010	297,364	182,354
	1933	770	52,494	46,510	66,344	186,971	120,626
	1931	827	61,576	64,833	91,537	271,607	180,070
Nails, spikes, etc.[28]	1937	42	2,432	2,746	5,636	11,929	6,293
	1935	43	2,178	2,320	4,334	9,656	5,322
	1933	39	1,695	1,590	2,704	6,973	4,269
	1931	46	1,570	1,670	2,982	6,828	3,846
Plumbers' supplies, not including pipe or vitreous-china sanitary ware.	1937	241	25,240	30,635	50,116	113,920	63,804
	1935	252	20,136	21,335	32,120	75,631	43,510
	1933	232	15,893	12,922	17,561	46,886	29,325
	1931	238	19,688	20,440	26,003	70,936	44,933

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.

[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

[27] Prior to the census for 1937 in "Machinery, not including transportation equipment" group. No separate figures for 1931; at that census included in the abandoned industry "Foundry and machine-shop products."

[28] Not including similar products manufactured to a considerable extent by steel works and rolling mills or by plants operated in connection with rolling mills. The figures here given refer only to establishments engaged primarily in the specified classes of products. "Nails, spikes," etc., also exclude products made in wire mills.

[29] Largely custom work. Exclusive of products made in steel works and rolling mills or in plants operated in connection with rolling mills.

[30] Represents industries classified prior to 1937 as "Steam and hot-water heating apparatus and steam fittings" and "Stoves and ranges, other than electric."

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Iron and steel, etc.—Con.							
Safes and vaults	1937	14	1,132	1,445	1,998	5,149	3,152
	1935	14	809	800	1,266	3,313	2,047
	1933	21	933	643	938	2,918	1,980
	1931	25	2,044	2,176	4,073	11,607	7,534
Screw-machine products and wood screws.	1937	311	21,287	28,030	42,714	102,725	60,011
	1935	302	15,018	16,825	27,228	63,029	35,801
	1933	255	10,236	8,951	13,485	33,449	19,964
	1931	275	12,047	13,478	16,142	43,698	27,556
Springs, steel, except wire [28]	1937	57	3,902	5,804	16,153	27,233	11,080
	1935	49	3,146	3,566	11,049	18,233	7,185
	1933	60	2,112	1,972	5,543	10,413	4,869
	[31] *1931*	77	*2,561*	*3,101*	*6,367*	*12,614*	*6,248*
	[32] 1931	98	2,938	3,634	7,541	15,158	7,617
Stamped and pressed metal products; enameling, japanning, and lacquering.	1937	743	61,092	73,141	148,148	294,039	145,891
	1935	698	50,014	51,183	102,323	208,672	106,349
	1933	552	32,302	26,634	54,682	117,372	62,690
	1931	566	28,378	30,662	53,618	122,696	69,078
Steel barrels, kegs, and drums	1937	58	6,231	7,357	30,296	48,175	17,880
	1935	64	5,761	5,839	21,090	34,650	13,560
	1933	58	5,517	6,026	18,035	30,399	12,364
	1931	52	3,253	3,513	12,990	21,644	8,654
Structural and ornamental metal work. [29]	1937	1,132	38,814	53,898	169,673	292,756	123,083
	1935	1,111	27,243	28,225	94,088	160,762	66,675
	1933	902	21,377	18,624	63,169	107,612	44,443
	1931	1,302	37,510	47,875	131,649	238,033	106,384
Tin cans and other tinware not elsewhere classified.	1937	224	33,145	37,194	245,110	358,796	113,686
	1935	204	27,484	27,826	206,118	292,388	86,270
	1933	194	23,343	22,693	137,046	207,946	70,900
	1931	199	25,271	27,978	149,121	223,634	74,513
Tools and cutlery:							
Cutlery (not including silver and plated cutlery) and edge tools.	1937	251	16,830	18,633	18,737	68,194	49,457
	1935	264	13,715	13,532	12,672	51,171	38,499
	1933	200	10,807	8,848	8,047	38,718	30,071
	1931	221	12,485	12,194	8,983	52,337	43,354
Files	1937	21	3,715	4,815	3,344	13,653	10,309
	1935	22	2,913	3,049	2,237	9,179	6,943
	1933	23	2,634	2,431	1,567	7,391	5,824
	1931	26	3,016	2,719	1,221	7,316	6,095
Saws	1937	80	4,384	5,576	7,415	19,853	12,438
	1935	82	3,425	3,731	[4] 5,223	13,649	[4] 8,427
	1933	71	2,528	2,347	3,003	9,926	6,923
	1931	78	3,005	3,084	4,035	11,572	7,537
Tools, not including edge tools, machine tools, files, or saws.	1937	369	17,612	21,132	30,959	80,046	49,087
	1935	343	12,636	13,298	19,068	52,544	33,476
	1933	294	9,598	8,158	10,521	34,199	23,678
	1931	355	10,833	11,209	13,725	42,417	28,692

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.
[28] Not including similar products manufactured to a considerable extent by steel works and rolling mills or by plants operated in connection with rolling mills. The figures here given refer only to establishments engaged primarily in the specified classes of products. "Nails, spikes," etc., also exclude products made in wire mills.
[29] Largely custom work. Exclusive of products made in steel works and rolling mills or in plants operated in connection with rolling mills.
[31] Adjusted for comparison with 1933 and later years.
[32] Includes data for establishments engaged primarily in repairing and replacing motor-vehicle springs, not included in later years.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Iron and steel, etc.—Con.							
Wire drawn from purchased rods (covers fabricated wire products made in the same establishments).	1937	93	24,580	33,967	100,375	182,149	81,774
	1935	88	21,550	24,452	68,722	127,417	58,695
	1933	78	14,056	14,321	39,615	75,476	35,861
	1931	82	14,476	17,179	45,187	83,370	38,183
Wirework not elsewhere classified.	1937	563	33,471	39,207	78,296	164,510	86,214
	1935	536	25,165	25,426	55,984	117,569	61,585
	1933	429	17,633	14,155	35,220	74,520	39,300
	1931	494	17,226	17,382	40,308	86,694	46,386
Wrought pipe, welded and heavy riveted.[20]	1937	53	14,125	19,436	68,629	113,769	45,140
	1935	48	10,720	11,793	42,285	73,849	31,564
	1933	44	6,552	5,580	20,821	34,957	14,135
	1931	51	8,045	9,890	42,291	75,041	32,749
Nonferrous metals and their products, total.	1937	5,303	270,327	349,276	1,926,526	2,783,285	856,759
	1935	5,411	214,986	232,651	1,092,344	1,668,561	576,217
	1933	4,367	155,960	140,088	586,444	951,381	364,937
	1931	5,744	180,477	209,515	808,569	1,326,565	517,996
Smelting and refining, total	1937	230	35,873	50,788	1,134,077	1,289,707	155,630
	1935	249	27,242	29,815	600,453	695,268	94,815
	1933	214	18,236	17,023	302,328	359,012	56,684
	1931	237	21,906	27,064	401,151	484,682	83,530
Primary, total	1937	62	29,815	43,255	954,818	1,084,607	129,789
	1935	62	22,478	24,887	476,053	554,027	77,974
	1933	59	14,567	13,549	231,885	273,286	41,401
	1931	76	18,477	22,716	335,713	408,589	72,876
Smelting and refining, copper	1937	23	14,514	20,941	645,294	715,355	70,061
	1935	20	10,449	11,154	310,797	348,257	37,460
	1933	19	5,596	5,387	142,672	158,610	15,938
	1931	27	8,642	10,708	226,520	269,384	42,864
Smelting and refining, lead	1937	14	4,036	5,547	234,072	253,598	19,526
	1935	16	3,187	3,424	122,019	137,219	15,200
	1933	14	2,105	2,325	60,534	70,453	9,920
	1931	16	2,584	3,569	78,745	90,726	11,982
Smelting and refining, zinc	1937	25	11,265	16,767	75,452	115,655	40,202
	1935	26	8,842	10,309	43,836	69,151	25,315
	1933	26	6,866	5,838	28,679	44,222	15,543
	1931	33	7,251	8,439	30,449	48,479	18,030
Secondary, total	1937	168	6,058	7,533	179,260	205,100	25,841
	1935	187	4,764	4,928	123,801	140,641	16,840
	1933	155	3,669	3,474	70,443	85,726	15,283
	1931	161	3,429	4,348	65,438	76,093	10,655
Gold, silver, and platinum, refining and alloying.	1937	65	1,085	1,561	85,208	92,093	6,886
	1935	88	1,002	1,318	71,791	78,018	6,227
	1933	61	745	980	39,036	44,604	5,567
	1931	63	803	1,186	36,893	41,398	4,505
Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore.	1937	103	4,973	5,972	94,052	113,007	18,955
	1935	99	3,762	3,610	52,009	62,623	10,614
	1933	94	2,924	2,494	31,407	41,123	9,716
	1931	98	2,626	3,162	28,546	34,695	6,150

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Largely custom work. Exclusive of products made in steel works and rolling mills or in plants operated in connection with rolling mills.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Nonferrous metals, etc.—Con.							
Alloys and manufactures of metals, and of alloys, total.	1937	5,073	234,454	298,488	792,448	1,493,578	701,129
	1935	5,162	187,744	202,836	491,890	973,293	481,403
	1933	4,153	137,734	123,065	284,117	592,369	308,253
	1931	5,507	[20] 158,305	182,451	407,418	841,883	434,466
Aluminum products	1937	153	23,695	31,888	96,104	165,643	69,540
	1935	170	19,271	20,345	58,609	104,087	45,458
	1933	109	13,634	11,900	34,027	61,464	27,437
	1931	138	13,803	16,106	41,605	76,300	34,695
Clocks, watches, time-recording devices, and materials and parts except watchcases.	1937	75	23,223	27,559	38,444	97,934	59,489
	1935	76	18,026	18,280	22,674	61,204	38,530
	1933	53	12,850	10,003	9,468	31,656	22,188
	1931	75	16,213	15,686	12,880	45,563	32,683
Collapsible tubes	1937	15	1,983	1,872	5,272	9,185	3,913
	1935	16	1,961	1,750	4,066	8,505	3,539
	1933	17	1,750	1,482	3,834	6,924	3,090
	1931	17	1,737	1,634	4,142	7,634	3,492
Electroplating	1937	547	8,256	9,828	6,815	26,686	19,872
	1935	553	6,238	6,941	4,649	18,328	13,679
	1933	423	3,956	3,715	2,352	10,032	7,680
	1931	464	4,107	5,642	2,802	13,084	10,282
Fire extinguishers, chemical	1937	25	1,041	1,401	3,582	8,889	5,307
	1935	25	806	965	2,479	5,343	2,864
	1933	22	589	604	1,720	3,775	2,055
	1931	25	571	617	1,706	4,453	2,656
Gold leaf and foil	1937	26	625	515	1,231	2,299	1,068
	1935	27	557	403	961	1,783	822
	1933	31	608	348	684	1,402	718
	1931	48	865	631	1,015	2,217	1,202
Jewelers' findings and materials	1937	71	2,470	3,002	14,574	21,684	7,109
	1935	73	2,663	2,728	10,991	17,170	6,179
	1933	60	1,811	1,604	5,503	9,250	3,747
	1931	99	1,899	2,343	7,121	11,976	4,855
Jewelry	1937	974	20,368	23,273	43,915	96,601	52,686
	1935	994	17,096	17,841	30,883	70,917	40,034
	1933	779	13,069	11,323	16,783	42,652	25,869
	1931	1,052	16,724	20,231	28,684	75,123	46,438
Lighting equipment	1937	466	21,743	24,918	55,593	115,096	59,503
	1935	501	16,677	17,232	40,114	85,700	45,586
	1933	357	10,538	9,506	19,241	46,173	26,933
	1931	523	14,790	18,150	30,312	75,050	44,738
Needles, pins, hooks and eyes, and slide and snap fasteners.	1937	52	9,580	10,154	10,291	36,240	25,949
	1935	50	10,104	9,494	9,383	32,830	23,447
	1933	45	6,412	5,768	5,818	22,758	16,940
	1931	46	5,354	5,667	4,842	20,342	15,500
Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified.	1937	1,103	83,016	115,515	392,683	669,374	276,691
	1935	1,098	62,935	72,001	220,759	393,227	172,468
	1933	875	47,784	43,729	128,356	239,156	110,800
	1931	1,056	48,913	55,109	195,338	331,439	136,101
Sheet-metal work, not specifically classified.	1937	1,392	22,973	29,263	85,935	159,096	73,161
	1935	1,400	17,369	19,551	58,123	109,333	51,210
	1933	1,229	13,050	12,658	35,463	68,807	33,344
	1931	1,762	19,365	25,158	56,342	116,443	60,101

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Revised; revision not carried into group total.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Nonferrous metals, etc.—Con.							
Silverware and plated ware	1937	136	11,361	13,790	22,670	56,733	34,063
	1935	139	10,194	11,078	15,298	43,372	28,074
	1933	126	9,177	8,229	12,425	34,333	21,907
	1931	163	11,077	12,713	11,792	45,815	34,022
Tin and other foils, not including gold foil.	1937	9	1,669	2,354	11,157	17,760	6,603
	1935	11	1,831	1,899	9,226	14,533	5,307
	1933	7	1,337	1,189	7,681	11,331	3,651
	1931	8	[20] 1,218	998	7,383	12,226	4,843
Watchcases	1937	29	2,451	3,156	4,182	10,358	6,176
	1935	29	2,016	2,329	2,776	6,983	4,206
	1933	20	1,169	1,006	760	2,657	1,897
	1931	31	1,669	1,767	1,361	4,219	2,858
Machinery, not including transportation equipment, total.	1937	9,961	955,975	1,375,506	2,424,495	5,891,599	3,467,105
	[33] 1935	10,114	687,465	800,020	1,405,792	3,492,701	2,086,909
	[33] 1933	8,442	470,580	444,567	724,217	1,887,842	1,163,625
	[33] 1931	11,468	695,297	797,510	1,218,187	3,415,078	2,196,892
Agricultural implements (including tractors).	1937	262	77,512	121,861	286,514	564,778	278,265
	1935	241	52,866	64,321	140,249	291,254	151,005
	[34] 1933	194	19,264	18,562	29,006	64,951	35,945
	[34] 1931	250	29,245	32,265	69,782	168,318	98,536
Cash registers, adding and calculating machines, and other business machines except typewriters.	1937	87	23,630	37,422	21,245	138,071	116,826
	1935	93	18,468	23,696	13,911	94,739	80,828
	[35] 1933	73	12,448	14,926	7,849	50,831	42,982
	[35] 1931	41	12,176	14,982	5,269	56,474	51,205
Cranes, and dredging, excavating, and road-building machinery. [36]	1937	158	18,800	28,151	64,193	138,848	74,656
	1935	128	10,808	12,572	29,010	62,860	33,850
Electrical machinery, apparatus, and supplies.	1937	1,435	257,660	355,959	642,867	1,622,098	979,232
	1935	1,393	179,641	198,046	372,001	960,430	588,430
	1933	1,209	130,857	115,750	212,514	553,431	340,918
	1931	1,379	180,106	204,488	337,125	995,010	657,886
Engines, turbines, water wheels and windmills.	1937	139	32,855	50,838	86,601	194,695	108,094
	1935	149	22,062	26,845	43,206	99,996	56,790
	[34] 1933	153	15,411	14,853	23,436	56,619	33,183
	[34] 1931	173	22,414	26,075	44,977	109,933	64,956
Machine-shop products [37]	1937	2,957	109,245	155,337	262,142	652,751	390,609
	1935	3,026	82,474	97,454	174,184	418,054	243,870
	1933	2,895	70,947	66,392	104,760	274,568	169,808

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Revised; revision not carried into group total.
[33] The figures for 1935 and 1933 have been revised by excluding figures for the "Boiler-shop products" and "Foundry products (gray-iron and malleable-iron)" industries which have been transferred to "Iron and steel and their products, except machinery" group. The figures for 1931 have not been revised as there are no figures available for these industries for 1931.
[34] Beginning 1935 figures for tractors excluded from "Engines, turbines, water wheels, and windmills" and included with "Agricultural implements (including tractors)." The 1933 and 1931 figures for these industries have been revised accordingly.
[35] Manufacturers of duplicating machines, check-writing machines, and manifolding machines, now classified in this industry, prior to 1935 were assigned to the abandoned industry "Foundry and machine-shop products." Figures for 1933 have been revised accordingly, but no revision has been made for 1931.
[36] New industry at the census for 1935; formerly a part of the abandoned industry classification "Foundry and machine-shop products." No figures available for earlier years.
[37] No figures available for 1931; included with those for the abandoned industry "Foundry and machine-shop products" for 1931.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Machinery—Continued.							
Machinery not elsewhere classified.[38]	1937	2,298	146,712	217,737	375,647	964,151	588,504
	1935	2,532	107,285	128,895	215,006	566,605	351,598
Machine-tool accessories and machinists' precision tools.	1937	806	32,893	55,957	46,002	162,002	116,000
	1935	731	23,138	34,414	27,413	96,838	69,424
	1933	587	12,757	14,159	10,882	44,383	33,501
	1931	718	17,533	26,559	16,320	69,033	52,713
Machine tools	1937	292	47,266	78,284	78,115	260,243	182,128
	1935	269	28,185	37,261	36,689	121,833	85,143
	1933	232	12,714	12,596	10,844	41,434	30,589
	1931	279	21,262	25,150	21,901	81,287	59,386
Printers' machinery and equipment.[36]	1937	230	13,716	22,378	20,966	78,628	57,662
	1935	238	9,884	13,582	13,131	51,560	38,429
Pumps (hand and power), pumping equipment, and air compressors.	1937	345	28,320	39,773	85,061	198,721	113,661
	[39] 1935	348	17,523	20,170	41,593	102,298	60,704
	[39] 1933	277	12,469	11,771	23,798	55,910	32,111
	[39] 1931	324	17,010	19,023	38,906	96,562	57,656
Radios, radio tubes, and phonographs.	1937	162	48,343	52,002	154,906	277,807	122,902
	1935	196	44,796	42,906	103,686	200,973	97,286
	1933	156	32,879	29,655	58,521	121,802	63,281
	1931	217	36,490	35,146	88,403	193,143	104,740
Refrigerators and refrigerating and ice-making apparatus.	1937	280	50,623	71,371	195,229	363,788	168,559
	1935	275	37,146	40,443	116,925	224,114	107,189
	1933	204	26,398	24,335	69,601	140,762	71,161
	1931	227	26,116	32,350	88,562	199,427	110,865
Scales and balances	1937	57	3,299	4,115	5,858	17,856	11,998
	1935	56	2,468	2,633	3,816	13,384	9,568
	1933	45	2,187	1,825	2,162	8,333	6,171
	1931	54	2,814	3,233	3,644	14,561	10,917
Sewing-machines and attachments.	1937	36	9,019	13,551	9,003	34,836	25,833
	1935	39	7,509	9,053	6,032	22,635	16,604
	1933	30	6,313	6,034	2,862	12,926	10,064
	1931	34	8,090	8,792	6,091	20,148	14,057
Textile machinery and parts	1937	356	25,340	33,139	35,546	107,429	71,883
	1935	349	19,072	21,246	23,269	68,846	45,577
	1933	314	18,576	18,737	18,378	60,323	41,945
	1931	330	18,808	21,238	18,175	65,798	47,623
Typewriters and parts	1937	21	21,440	25,956	13,392	45,006	31,614
	1935	20	15,398	16,632	8,630	33,858	25,228
	1933	14	9,591	7,565	3,256	16,465	13,208
	1931	20	10,924	10,328	3,785	22,057	18,271

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[36] New industry at the census for 1935; formerly a part of the abandoned industry classification "Foundry and machine-shop products." No figures available for earlier years.
[38] New industry at the census for 1935; formerly a part of the abandoned industry classification "Foundry and machine-shop products." The figures for 1935 have been revised to exclude data for air compressors, now a part of "Pumps, pumping equipment, and air compressors." No figures available for earlier years.
[39] Figures revised to include data for air compressors, classified in "Machinery not elsewhere classified" at the census for 1935 and in the abandoned industry "Foundry and machine-shop products" in previous years.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Machinery—Continued.							
Washing machines, wringers, driers, and ironing machines, for household use.	1937	40	9,302	11,675	41,208	69,889	28,680
	1935	41	8,742	9,852	37,041	62,425	25,384
	1933	41	6,956	6,363	24,361	44,542	20,181
	1931	59	6,201	7,212	24,521	50,929	26,408
Foundry and machine-shop products, not elsewhere classified.[40]	1933	2,018	80,813	81,045	121,987	340,564	218,577
	1931	7,363	286,108	330,669	450,726	1,272,399	821,673
Transportation equipment, air, land, and water, total. [41]	1937	1,942	623,845	967,231	4,099,756	5,985,889	1,886,134
	1935	1,813	475,971	651,954	2,983,065	4,290,117	1,307,053
	1933	1,505	303,402	316,438	1,286,619	2,047,210	760,592
	1931	1,999	369,600	464,130	1,729,837	2,881,856	1,152,019
Aircraft and parts	1937	92	24,003	33,353	38,805	106,568	67,763
	1935	79	11,384	14,893	14,361	45,347	30,986
	1933	64	7,816	10,308	7,957	26,460	18,503
	1931	101	9,870	15,481	13,101	40,278	27,177
Carriages, wagons, sleighs, and sleds.	1937	43	1,823	1,723	4,633	9,138	4,505
	1935	45	1,592	1,284	3,683	6,845	3,162
	1933	53	1,400	922	2,350	4,753	2,402
	[42] *1931*	*70*	*1,821*	*1,199*	*3,494*	*5,160*	*2,666*
	1931	75	1,431	1,389	2,918	6,179	3,261
Cars, electric and steam railroad, not built in railroad repair shops.	1937	154	40,466	59,276	226,505	335,322	108,817
	1935	150	21,481	25,756	61,732	100,542	38,810
	1933	138	14,266	14,710	27,311	46,148	18,837
	1931	152	18,785	25,553	59,754	99,657	39,903
Locomotives, railroad, mining, and industrial, not built in railroad repair shops.	1937	13	9,000	14,845	39,266	72,123	32,857
	1935	14	3,790	3,972	9,493	17,383	7,890
	1933	13	2,374	1,863	4,266	6,927	2,661
	1931	16	5,443	5,590	14,871	22,119	7,248
Motorcycles, bicycles, and parts.	1937	29	6,938	8,207	19,793	36,044	16,251
	1935	23	5,093	5,214	12,813	23,086	10,273
	1933	19	3,038	2,639	6,162	12,055	5,894
	1931	19	3,294	3,563	5,520	13,697	8,177
Motor-vehicle bodies and motor-vehicle parts.	1937	936	284,814	439,940	1,275,073	2,080,018	804,945
	1935	825	240,757	328,375	1,005,059	1,550,924	545,866
	1933	701	145,745	148,322	[20] 437,186	[20] 756,034	[20] 318,848
	1931	940	150,649	193,770	516,945	945,407	428,461
Motor vehicles, not including motorcycles.	1937	131	194,527	316,141	2,394,269	3,096,219	701,949
	1935	121	147,044	217,039	1,814,814	2,391,090	576,276
	1933	122	97,869	103,785	767,763	1,096,946	329,178
	1931	178	134,866	156,756	1,044,406	1,567,526	523,120
Ship and boat building, steel and wooden, including repair work.	1937	544	62,274	93,747	101,411	250,457	149,046
	1935	556	44,830	55,422	61,109	154,900	93,790
	1933	395	30,885	33,890	31,172	92,696	61,524
	1931	518	45,262	62,028	72,322	186,993	114,671

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Revised; revision not carried into group total.
[40] This industry abandoned as a separate classification at the census for 1935; divided into 6 industries. The 1933 and 1931 figures were not in all cases assigned to the industry classifications.
[41] Excludes figures for "Carriages and sleds, children's." See "Miscellaneous industries" group.
[42] Manufacturers of lunch wagons, classified in this industry prior to 1933, are now assigned to "Planing-mill products" industry in "Forest products" group. These figures have been revised for comparison with later years.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Miscellaneous industries, total	1937	10,077	355,164	366,083	1,633,610	2,712,042	1,078,432
	[43] 1935	11,211	310,140	284,628	1,344,995	2,227,258	882,263
	[43] 1933	8,695	262,583	205,842	1,005,854	1,688,621	682,766
	[43] 1931	11,781	302,672	305,625	1,285,776	2,322,890	1,037,113
Musical instruments, total	1937	187	11,971	14,089	17,161	43,265	26,104
	1935	192	8,805	8,738	10,188	26,633	16,446
	1933	170	6,106	5,097	5,424	15,715	10,292
	1931	230	10,003	11,152	10,762	32,207	21,445
Organs	1937	34	1,086	1,235	1,474	4,637	3,163
	1935	28	614	611	592	1,699	1,107
	1933	29	574	510	387	1,627	1,240
	1931	42	1,460	1,763	1,627	5,710	4,083
Pianos	1937	38	5,698	7,062	9,767	21,703	11,936
	1935	36	4,110	4,089	5,606	12,688	7,082
	1933	36	2,700	2,382	2,828	7,243	4,415
	1931	50	4,737	5,157	5,892	15,293	9,401
Piano and organ parts and materials.	1937	32	1,778	1,716	2,114	4,978	2,864
	1935	34	1,217	1,029	1,224	3,186	1,962
	1933	33	768	527	584	1,732	1,148
	1931	50	1,213	1,178	1,005	3,090	2,085
Musical instruments and parts and materials, not elsewhere classified.	1937	83	3,409	4,075	3,806	11,948	8,141
	1935	94	2,864	3,010	2,765	9,060	6,295
	1933	72	2,064	1,678	1,624	5,114	3,490
	1931	88	2,593	3,053	2,238	8,114	5,875
Tobacco manufactures, total	1937	852	92,158	70,291	[44] 947,628	1,272,688	325,059
	1935	800	90,543	59,448	[44] 809,025	1,093,400	284,375
	1933	804	87,325	50,933	[44] 659,095	909,082	249,987
	1931	1,228	99,769	69,411	[44] 785,502	1,155,851	370,349
Cigarettes	1937	34	26,149	24,182	[44] 771,522	968,927	197,405
	1935	29	24,447	18,315	[44] 641,313	806,690	165,377
	1933	27	22,544	13,835	[44] 503,560	637,776	134,216
	1931	40	20,146	14,664	[44] 555,049	759,389	204,340
Cigars	1937	693	55,879	37,522	[44] 87,341	169,237	81,895
	1935	746	56,019	33,503	[44] 77,814	151,265	73,451
	1933	665	54,558	30,061	[44] 72,589	139,372	66,783
	1931	1,063	68,182	46,074	[44] 119,295	227,349	108,054
Tobacco (chewing and smoking) and snuff.	1937	125	10,130	8,587	[44] 88,766	134,524	45,759
	1935	115	10,077	7,629	[44] 89,808	135,445	45,547
	1933	112	10,223	7,037	[44] 82,946	131,935	48,988
	1931	125	11,441	8,073	[44] 111,158	169,113	57,955
Other industries, total	1937	9,038	251,035	281,703	668,820	1,396,089	727,269
	[43] 1935	10,129	210,792	216,442	525,782	1,107,224	581,442
	[43] 1933	7,721	169,154	149,812	341,336	763,823	422,487
	[43] 1931	10,323	192,900	[20] 225,278	489,512	1,134,832	645,320
Artificial and preserved flowers and plants.	1937	189	5,657	3,893	6,175	14,378	8,202
	1935	190	3,206	2,609	3,383	8,994	5,611
	1933	131	2,338	1,567	2,481	6,445	3,964
	1931	158	2,348	2,140	3,415	9,035	5,620

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Revised; revision not carried into group total.
[43] Revised to include data for "Carriages and sleds, children's" industry. Until the census for 1937 this industry was included in "Transportation equipment, air, land, and water" group.
[44] Amount of internal-revenue tax paid by tobacco, cigar, and cigarette manufacturers included to avoid inflating "Value added by manufacture."

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Miscellaneous industries—Con.							
Artists' materials	1937	40	372	403	1,282	2,783	1,501
	1935	47	350	336	1,229	2,431	1,202
	1933	38	265	259	989	2,137	1,148
	1931	45	328	308	1,211	2,544	1,333
Beauty-shop equipment, except furniture.[45]	1937	73	2,548	2,480	5,334	13,571	8,238
	1935	82	2,179	1,968	5,059	12,525	7,466
Brooms	1937	289	4,067	2,906	6,301	11,628	5,327
	1935	348	4,158	3,072	7,515	14,338	6,824
	1933	260	3,757	2,111	4,601	9,073	4,472
	1931	334	4,086	[20] 3,326	6,264	13,135	6,871
Brushes, other than rubber	1937	243	7,915	7,250	24,110	44,537	20,426
	1935	250	6,818	6,007	18,857	42,091	23,234
	1933	221	5,809	4,821	12,200	24,576	12,376
	1931	264	5,891	5,992	14,228	30,827	16,600
Buttons	1937	291	12,026	9,256	13,578	31,291	17,713
	1935	297	10,288	8,151	11,275	28,031	16,756
	1933	200	9,888	6,706	8,614	22,412	13,798
	1931	212	8,224	6,661	8,303	21,525	13,221
Carbon paper and inked ribbons	1937	50	1,627	1,991	9,178	17,860	8,681
	1935	56	1,425	1,629	7,502	14,695	7,193
	1933	47	1,171	1,243	5,157	11,225	6,069
	1931	54	1,198	1,463	6,034	13,476	7,442
Carriages and sleds, children's	1937	54	5,218	5,415	9,960	19,655	9,696
	1935	55	4,918	4,360	7,432	15,511	8,080
	1933	46	3,971	2,877	5,671	10,985	5,314
	1931	59	4,159	4,479	7,091	16,769	9,679
Dentists' equipment and supplies.	1937	101	4,574	5,347	12,717	30,879	18,162
	1935	87	3,516	3,631	9,145	22,968	13,823
	1933	79	3,120	2,452	6,945	16,437	9,492
	1931	84	3,874	3,949	9,362	24,005	14,643
Feathers, plumes, and manufactures thereof.	1937	61	559	437	1,193	2,320	1,126
	1935	73	573	423	612	1,646	1,034
	1933	40	322	265	227	835	608
	1931	53	527	559	588	1,898	1,310
Foundry supplies	1937	51	466	592	4,739	8,626	3,886
	1935	46	400	446	3,446	6,519	3,074
	1933	40	334	315	1,326	2,788	1,462
	1931	52	428	492	2,080	3,998	1,918
Fur goods—regular factories [46]	1937	1,590	12,798	21,369	106,206	154,971	48,765
Fur goods—contract factories [46]	1937	52	154	191	138	634	495
Fur goods [46]	1935	2,438	12,510	21,040	90,992	143,784	52,793
	1933	1,463	8,210	11,500	50,061	80,524	30,464
	1931	2,354	12,368	24,793	102,634	164,749	62,115

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[20] Revised; revision not carried into group total.
[45] New classification at the census for 1935; no comparable figures available for earlier years.
[46] At the census for 1937 the industry "Fur goods" was separated into two industries, "Fur goods—regular factories" and "Fur goods—contract factories." Because of the fact that some establishments lose their identity during a 2-year period through change of name, ownership, and location, and, therefore, may be missed by a canvass made largely by mail, the 1937 figures for this industry are not complete and are not comparable with the figures for the "Fur goods" industry for prior years.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Miscellaneous industries—Con.							
Furs, dressed and dyed	1937	121	6,343	8,335	6,449	21,763	15,314
	1935	167	6,434	7,561	7,007	21,340	14,333
	1933	181	5,364	6,246	9,540	24,948	15,408
	1931	243	5,160	7,968	16,221	37,873	21,652
Hair work	1937	35	434	374	942	2,449	1,507
	1935	43	502	438	1,064	2,738	1,674
	1933	37	228	188	306	986	679
	1931	52	267	288	311	1,184	874
Hand stamps and stencils and brands.	1937	266	2,375	2,929	3,047	10,386	7,339
	1935	277	2,255	2,532	2,750	9,338	6,588
	1933	256	2,196	2,062	1,855	7,637	5,782
	1931	288	2,496	3,371	2,305	10,045	7,651
Instruments and apparatus, professional, scientific, commercial, and industrial.[47]	1937	283	17,309	23,543	29,684	96,013	66,329
	1935	283	15,216	17,573	20,714	68,344	47,630
	1933	241	8,894	9,183	9,586	35,915	26,328
	1931	302	13,341	15,912	15,953	59,447	43,495
Jewelry and instrument cases	1937	91	4,788	3,692	4,860	12,202	7,343
	[4] 1935	74	2,629	2,252	2,602	7,156	4,553
	1933	62	1,095	841	1,134	3,096	1,961
	1931	92	1,398	1,415	1,941	4,919	2,978
Lapidary work	1937	51	217	306	3,343	4,391	1,048
	1935	60	153	201	1,244	2,050	806
	1933	34	107	124	483	823	340
	1931	53	205	340	1,378	2,475	1,097
Mattresses and bed springs not elsewhere classified.	1937	839	19,165	19,811	63,190	113,120	49,929
	1935	824	15,404	14,668	48,949	84,811	35,862
	1933	645	13,280	10,694	32,491	59,724	27,233
	1931	781	13,622	14,702	37,509	77,508	39,999
Miscellaneous articles not elsewhere classified.	1937	595	15,854	12,905	24,156	54,404	30,248
	[48] 1935	666	14,452	12,025	21,492	50,353	28,861
	[48] 1933	574	13,435	9,894	16,644	41,811	25,167
	[48] 1931	732	14,545	13,690	23,217	57,050	33,833
Models and patterns, not including paper patterns.	1937	594	5,728	9,762	4,142	22,289	18,147
	1935	582	4,104	6,128	3,244	15,297	12,053
	1933	422	2,795	3,525	1,483	8,627	7,145
	1931	649	4,332	7,378	2,787	16,192	13,405
Optical goods	1937	96	11,998	14,465	14,432	47,461	33,029
	1935	100	9,667	10,333	11,114	33,600	22,486
	1933	103	7,598	7,300	8,155	26,214	18,059
	1931	102	7,446	8,756	7,524	27,887	20,364
Paving materials: Blocks (except brick and stone) and mixtures.	1937	148	1,946	2,419	14,605	25,289	10,683
	1935	132	2,231	2,514	9,984	17,885	7,901
	1933	93	1,151	1,215	6,287	10,950	4,663
	1931	97	1,081	1,556	8,587	16,003	7,416

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.
[47] Manufacturers of gas and water meters, prior to 1935, assigned to "Meters (gas, water, etc.) and gas generators" industry in "Machinery, except transportation equipment" group, are now classified in this industry. The figures for years prior to 1935 have been revised accordingly, but the revision has not been carried into the total for the group and subgroup.
[48] Revised to include figures for "Combs and hairpins not made of metal or of rubber" industry, abandoned as a separate classification.

No. 830.—Manufactures—Summary for Industry Groups and Industries: 1931 to 1937—Continued

Group or industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, purchased energy, and contract work [1]	Value of products	Value added by manufacture [2]
				In thousands of dollars			
Miscellaneous industries—Con.							
Pencils, lead (including mechanical), and crayons.	1937	46	5,776	5,216	9,866	22,430	12,564
	1935	47	5,182	4,236	8,255	19,999	11,744
	1933	43	4,048	3,167	5,134	14,394	9,260
	1931	46	3,969	3,700	6,128	17,237	11,109
Pens, fountain and stylographic; pen points, gold, steel, and brass.	1937	42	4,343	4,352	7,385	21,828	14,443
	1935	51	3,780	3,428	5,796	17,888	12,091
	1933	54	3,099	2,341	4,124	11,598	7,473
	1931	68	3,945	4,364	7,219	23,799	16,579
Photographic apparatus and materials and projection apparatus.	1937	109	18,450	28,876	36,653	115,888	79,235
	1935	118	12,000	15,807	26,150	73,966	47,817
	1933	84	8,975	10,155	11,985	53,860	41,875
	1931	110	10,609	13,082	20,868	79,507	58,639
Pipes (tobacco)	1937	25	2,382	2,413	2,523	7,647	5,124
	1935	29	2,240	2,283	2,019	6,176	4,158
	1933	22	1,362	1,145	960	3,274	2,314
	1931	24	1,677	1,761	1,776	5,522	3,747
Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.	1937	111	7,418	9,520	62,644	102,562	39,917
	1935	108	6,478	6,685	44,325	76,173	31,847
	1933	74	4,418	4,436	23,803	44,833	20,040
	1931	88	4,123	5,331	32,706	58,963	26,257
Signs and advertising novelties	1937	1,001	16,042	19,181	27,754	75,723	47,969
	1935	1,075	13,712	14,932	21,920	61,362	39,442
	1933	848	12,044	11,577	15,312	47,144	31,832
	1931	1,078	14,463	18,485	21,297	74,681	53,384
Soda fountains and related products.	1937	51	1,655	2,549	6,263	13,033	6,770
	1935	48	1,096	1,436	4,171	8,214	4,043
	1933	40	816	948	2,649	6,035	3,386
	1931	47	1,503	2,190	5,236	14,606	9,370
Sporting and athletic goods, not including firearms or ammunition.	1937	204	11,392	11,730	21,857	44,461	22,603
	1935	196	9,665	9,018	16,720	34,864	18,143
	1933	176	8,215	6,523	10,570	25,267	14,698
	1931	217	10,176	11,219	20,099	49,257	29,159
Stationery goods not elsewhere classified.[49]	1933	86	3,467	2,738	6,818	14,241	7,423
	[4] 1931	128	5,088	5,345	12,211	27,196	14,985
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1937	125	5,934	6,930	15,048	32,554	17,506
	[50] 1935	124	4,774	4,742	11,768	24,258	12,491
	[50] 1933	118	4,285	3,785	8,728	19,390	10,661
	[50] 1931	131	4,120	4,545	10,253	22,647	12,394
Surgical and orthopedic appliances and related products.	1937	323	8,423	8,546	45,031	77,068	32,037
	1935	307	7,089	6,288	36,144	61,764	25,620
	1933	250	6,958	6,119	28,846	51,442	22,596
	1931	325	6,740	7,271	22,954	51,012	28,058
Theatrical scenery and stage equipment.	1937	50	397	489	1,189	2,678	1,489
	1935	48	279	437	751	1,937	1,186
	1933	40	312	397	617	2,044	1,427
	1931	45	365	649	1,218	3,003	1,784

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not, except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.
[4] Revised; revision not carried into subgroup or group total.
[49] Abandoned as a separate classification in 1935, now assigned to other industries.
[50] Revised to exclude data for establishments manufacturing mineral wool as a primary product, such establishments having been transferred to "Wallboard and plaster (except gypsum), building insulation, and floor composition" industry in "Stone, clay, and glass products" group. Revision not carried into total for group or subgroup.

No. 830.—MANUFACTURES—SUMMARY FOR INDUSTRY GROUPS AND INDUSTRIES: 1931 TO 1937—Continued

GROUP OR INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [1]	VALUE OF PRODUCTS	VALUE ADDED BY MANUFACTURE [2]
				In thousands of dollars			
Miscellaneous industries—Con.							
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1937	344	17,547	15,020	28,812	63,856	35,044
	1935	384	15,375	12,129	23,935	52,156	28,222
	1933	285	12,484	8,877	17,119	37,222	20,103
	1931	380	13,231	12,380	21,515	53,601	32,086
Umbrellas, parasols, and canes	1937	81	3,088	2,572	8,042	13,237	5,196
	1935	83	2,186	1,712	6,159	10,086	3,927
	1933	80	2,155	1,531	4,972	8,259	3,287
	1931	93	1,852	1,611	5,136	9,115	3,979
Window shades (textile and paper), and fixtures.	1937	304	3,166	3,173	13,294	23,574	10,280
	1935	319	2,999	2,710	12,223	20,324	8,101
	1933	312	2,903	2,264	9,115	16,170	7,055
	1931	448	3,119	3,313	11,198	20,562	9,364
Wool pulling	1937	19	794	1,064	12,695	16,651	3,956
	1935	17	866	975	9,065	12,403	3,338
	1933	16	678	670	7,087	10,226	3,138
	1931	14	640	915	5,359	7,378	2,019

[1] Figures for 1937 and 1935 include cost of contract work; those for 1933 and 1931 do not; except as noted.
[2] Value added by manufacture calculated for 1937 and 1935 by subtracting cost of materials, etc., fuel, purchased energy, and contract work from value of products; for 1933 and 1931 figures for contract work are not available except for a few industries.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 831.—Manufactures—Summary, by States: 1935 and 1937

[See general note, p. 802]

	Census year	Number of establishments	Salaried officers and employees[1]	Wage earners (average for the year)[1]	SALARIES	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK[2]	VALUE OF PRODUCTS[2]	VALUE ADDED BY MANUFACTURE[3]
					In thousands of dollars				
United States	1937	166,794	1,217,171	8,569,231	2,716,866	10,112,883	35,539,333	60,712,872	25,173,539
	1935	167,916	1,058,501	7,203,794	2,253,425	7,311,329	26,441,145	44,993,699	18,552,553
GEOGRAPHIC DIVS.									
New England	1937	15,568	131,740	1,022,350	294,813	1,133,392	2,622,660	5,109,918	2,487,258
	1935	15,130	120,129	902,658	255,348	882,428	2,029,377	3,931,000	1,901,123
Middle Atlantic	1937	49,897	378,730	2,386,743	882,402	2,936,510	9,256,477	16,590,776	7,343,298
	1935	53,920	337,748	2,066,784	757,294	2,199,623	7,010,885	12,562,542	5,551,657
East North Central	1937	36,773	380,686	2,571,131	876,111	3,505,767	11,523,928	19,970,059	8,446,131
	1935	36,907	319,114	2,082,293	682,681	2,400,913	8,295,627	14,353,526	6,057,899
West North Central	1937	13,834	76,559	406,176	153,687	457,489	2,762,949	4,091,727	1,328,778
	1935	13,892	70,185	345,752	136,072	343,978	2,257,985	3,308,119	1,050,134
South Atlantic	1937	15,751	84,029	991,825	176,843	836,180	3,288,204	5,403,450	2,115,245
	1935	15,219	71,689	856,446	147,930	625,845	2,491,453	4,025,611	1,534,158
East South Central	1937	6,681	34,198	370,412	69,757	297,939	1,186,135	1,977,318	791,183
	1935	6,382	30,135	303,955	58,462	214,281	868,172	1,449,201	581,029
West South Central	1937	8,582	41,492	272,389	80,350	251,833	1,877,111	2,693,027	815,916
	1935	8,179	34,731	214,213	65,828	177,032	1,332,061	1,892,782	560,721
Mountain	1937	3,683	13,784	78,774	27,032	96,678	639,194	928,951	289,757
	1935	3,302	12,254	61,997	23,065	66,197	406,883	599,460	192,576
Pacific	1937	16,025	75,953	469,431	155,862	597,006	2,382,675	3,938,647	1,555,972
	1935	14,895	62,516	369,696	126,745	401,030	1,748,202	2,871,457	1,123,255
New England:									
Maine	1937	1,171	6,432	75,464	13,452	72,263	197,526	348,636	151,111
	1935	1,189	6,067	68,603	12,141	58,027	154,515	271,731	117,216
New Hampshire	1937	794	4,819	56,517	10,473	55,235	144,323	249,632	105,309
	1935	775	4,688	53,833	9,154	47,812	116,357	207,091	90,734
Vermont	1937	683	2,871	23,682	6,038	24,615	58,772	111,876	53,104
	1935	660	2,498	18,870	5,014	17,598	41,323	80,847	39,524
Massachusetts	1937	8,619	68,204	496,036	154,043	556,077	1,364,299	2,620,789	1,256,490
	1935	8,266	62,677	437,459	136,377	438,416	1,084,175	2,060,045	975,871
Rhode Island	1937	1,409	12,384	108,031	28,872	112,933	276,739	517,196	240,458
	1935	1,420	11,132	100,852	24,921	94,322	225,590	411,886	186,296
Connecticut	1937	2,892	37,030	262,620	81,936	312,270	581,002	1,261,789	680,787
	1935	2,820	33,067	223,041	67,741	226,253	407,918	809,401	491,483
Middle Atlantic:									
New York	1937	29,749	188,616	995,658	438,861	1,236,048	3,998,209	7,314,447	3,316,180
	1935	33,569	173,460	878,592	390,068	991,678	3,307,515	5,963,850	2,656,335
New Jersey	1937	7,064	67,496	436,745	160,526	523,504	1,890,539	3,253,246	1,362,708
	1935	7,425	59,037	373,522	136,686	391,924	1,382,469	2,407,323	1,024,855
Pennsylvania	1937	13,084	122,618	954,340	283,014	1,176,957	3,367,673	6,032,083	2,664,410
	1935	12,926	105,251	814,670	230,540	816,022	2,320,901	4,191,369	1,870,467
E. North Central:									
Ohio	1937	9,138	104,016	694,205	242,874	957,650	2,793,190	5,099,817	2,306,627
	1935	9,142	88,593	579,522	192,696	665,855	2,005,768	3,660,904	1,655,136
Indiana	1937	3,939	43,581	313,342	93,480	402,117	1,478,508	2,497,548	1,018,980
	1935	3,917	37,086	248,196	73,708	257,802	940,284	1,649,530	703,246
Illinois	1937	11,704	118,256	668,841	273,835	862,793	2,985,247	5,304,283	2,319,036
	1935	12,018	99,214	525,046	215,942	581,388	2,131,031	3,743,099	1,612,069
Michigan	1937	5,614	76,219	660,676	183,414	986,841	3,204,438	5,296,101	2,091,663
	1935	5,544	60,246	531,658	132,698	691,666	2,428,059	3,986,178	1,558,119
Wisconsin	1937	6,318	38,614	234,067	82,507	296,365	1,062,486	1,772,310	709,824
	1935	6,286	33,975	196,972	67,637	204,201	784,486	1,313,815	529,329
W. North Central:									
Minnesota	1937	3,718	17,424	89,925	35,923	107,393	624,565	937,463	312,898
	1935	3,701	16,751	76,241	32,737	77,974	500,843	746,351	245,507
Iowa	1937	2,454	13,886	67,878	25,490	76,193	473,395	709,458	236,064
	1935	2,457	12,277	56,541	21,604	55,483	398,718	575,371	176,653
Missouri	1937	4,291	29,843	186,831	64,001	202,586	944,985	1,505,383	560,398
	1935	4,370	27,193	157,683	56,577	153,735	742,709	1,183,637	440,928
North Dakota	1937	340	839	2,854	1,433	3,192	35,571	45,837	10,266
	1935	320	831	2,551	1,337	2,742	32,357	41,333	8,976
South Dakota	1937	434	1,281	4,970	2,198	5,485	52,897	67,276	14,380
	1935	403	1,138	4,400	1,949	4,398	44,722	56,026	11,305
Nebraska	1937	1,071	4,899	19,590	9,049	22,126	215,077	282,502	67,424
	1935	1,140	4,810	17,855	8,708	18,129	189,332	247,727	58,395
Kansas	1937	1,526	8,387	34,128	15,594	40,513	416,459	543,807	127,348
	1935	1,492	7,185	30,481	13,160	31,518	349,304	457,675	108,371

For footnotes, see p. 840.

No. 831.—MANUFACTURES—SUMMARY, BY STATES: 1935 AND 1937—Con.

	Census year	Number of establishments	Salaried officers and employees [1]	Wage earners (average for the year) [1]	SALARIES	WAGES	COST OF MATERIALS, ETC., FUEL, PURCHASED ENERGY, AND CONTRACT WORK [2]	VALUE OF PRODUCTS [2]	VALUE ADDED BY MANUFACTURE [3]
					In thousands of dollars				
South Atlantic:									
Delaware	1937	359	2,679	21,052	6,329	22,992	65,980	124,384	58,404
	1935	339	2,232	16,532	4,703	15,259	46,604	83,015	36,411
Maryland	1937	2,683	18,436	145,932	40,787	156,995	665,027	1,095,863	430,836
	1935	2,679	15,482	117,245	32,516	108,282	444,919	741,608	296,689
Dist. of Columbia	1937	469	5,043	8,714	9,521	12,848	31,451	74,108	42,657
	1935	490	3,986	8,115	8,778	11,953	28,884	66,232	37,348
Virginia	1937	2,384	11,791	132,643	25,388	112,774	572,374	908,222	335,848
	1935	2,241	10,238	113,654	21,259	86,377	450,500	697,530	247,029
West Virginia	1937	1,057	8,061	83,464	18,295	102,511	257,752	480,526	222,774
	1935	1,027	6,680	74,180	14,492	76,650	198,820	366,574	167,754
North Carolina	1937	2,896	13,139	258,771	29,050	189,265	908,903	1,384,738	475,834
	1935	2,599	12,082	227,100	25,595	148,922	735,018	1,103,911	368,893
South Carolina	1937	1,193	5,434	129,748	11,841	91,792	234,433	409,912	175,478
	1935	1,121	4,808	108,558	10,163	65,946	184,618	297,156	112,538
Georgia	1937	2,875	12,549	159,496	23,629	110,501	439,145	708,652	269,507
	1935	2,834	10,546	139,650	20,245	81,495	327,406	514,655	187,249
Florida	1937	1,835	6,897	52,005	12,003	36,501	113,138	217,045	103,907
	1935	1,889	5,635	51,412	10,179	30,961	74,683	154,930	80,247
E. South Central:									
Kentucky	1937	1,624	8,801	68,998	18,298	66,249	323,002	504,897	181,896
	1935	1,621	8,966	60,809	17,423	53,058	284,289	450,676	166,386
Tennessee	1937	2,083	13,359	135,073	27,241	109,248	412,360	707,987	295,627
	1935	1,991	11,002	112,434	22,015	81,246	302,432	520,969	218,537
Alabama	1937	1,874	8,832	120,301	18,511	96,058	336,328	573,764	237,436
	1935	1,711	7,417	94,345	14,201	60,643	210,642	357,226	146,584
Mississippi	1937	1,100	3,206	46,040	5,708	26,384	114,446	190,671	76,225
	1935	1,059	2,750	36,367	4,823	19,334	70,809	120,330	49,521
W. South Central:									
Arkansas	1937	1,048	3,251	37,280	6,095	24,734	99,089	164,676	65,587
	1935	1,066	2,915	29,076	5,181	17,328	74,108	119,341	45,233
Louisiana	1937	1,684	9,645	76,057	18,919	60,203	380,984	580,840	199,856
	1935	1,611	8,359	61,664	15,659	44,982	290,577	433,520	142,943
Oklahoma	1937	1,428	6,042	29,551	12,066	34,390	255,470	366,089	110,618
	1935	1,335	5,306	24,349	10,122	24,521	203,258	280,676	77,418
Texas	1937	4,422	22,554	129,501	43,280	132,505	1,141,568	1,581,422	439,854
	1935	4,167	18,151	99,124	34,867	90,202	764,118	1,059,245	295,128
Mountain:									
Montana	1937	515	1,952	11,268	3,936	15,758	134,041	176,279	42,238
	1935	478	1,581	8,725	3,177	10,502	92,863	122,430	29,568
Idaho	1937	533	1,319	12,707	2,485	16,250	63,633	101,325	37,691
	1935	455	1,176	9,635	2,050	10,738	41,319	64,988	23,668
Wyoming	1937	235	824	3,795	1,711	5,219	33,028	49,129	16,101
	1935	209	682	3,172	1,387	4,072	29,592	42,192	12,600
Colorado	1937	1,233	5,197	25,932	10,299	31,753	145,735	237,838	92,103
	1935	1,160	4,763	20,858	8,746	21,530	107,762	171,350	63,588
New Mexico	1937	241	506	3,683	768	2,992	11,485	20,599	9,114
	1935	197	404	2,827	718	2,233	7,812	13,573	5,761
Arizona	1937	290	1,288	7,193	2,823	8,602	84,721	118,356	33,635
	1935	272	1,000	4,748	2,207	5,034	39,283	55,456	16,173
Utah	1937	552	2,448	13,094	4,575	14,479	156,911	204,857	47,946
	1935	538	2,420	10,808	4,280	10,304	80,268	114,167	33,899
Nevada	1937	84	250	1,012	434	1,625	9,638	20,568	10,930
	1935	83	228	1,224	499	1,694	7,984	15,303	7,319
Pacific:									
Washington	1937	3,057	13,008	101,260	26,589	128,472	380,321	675,640	295,319
	1935	2,840	11,470	79,589	22,590	83,970	268,944	470,123	201,179
Oregon	1937	2,107	7,051	65,982	14,670	79,492	194,085	363,142	169,057
	1935	1,710	6,051	51,006	11,681	51,415	145,398	259,345	113,947
California	1937	10,861	55,894	302,189	114,603	389,132	1,808,269	2,899,865	1,091,597
	1935	10,345	44,995	239,101	92,475	265,645	1,333,860	2,141,990	808,130

[1] Does not include 173,403 employees for 1937 not classed as salaried officers or wage earners, for which no salary or wage data were collected. No data for 1935.

[2] See second paragraph of general note, p. 802.

[3] Calculated by subtracting sum of cost of materials, containers, fuel, purchased electric energy, and cost of contract work from value of products for both years.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 832.—Manufactures—Summary for Industrial Areas: 1935 and 1937

Note.—The term industrial area signifies an area having as its nucleus an important manufacturing city and comprising the county in which the city is located, together with any adjoining county or counties in which there is great concentration of manufacturing industry. The industrial areas by constituent counties are as follows: Akron area—Summit County; Albany-Schenectady-Troy area—Albany, Rensselaer, and Schenectady Counties; Allentown-Bethlehem area—Lehigh and Northampton Counties; Baltimore area—Baltimore City and Baltimore County; Boston area—Essex, Middlesex, Norfolk, and Suffolk Counties; Bridgeport-New Haven-Waterbury area—Fairfield and New Haven Counties; Buffalo area—Erie and Niagara Counties; Chicago area—Cook, Du Page, Kane, Lake, and Will Counties, Ill., and Lake County, Ind.; Cincinnati area—Butler and Hamilton Counties, Ohio, and Campbell and Kenton Counties, Ky.; Cleveland area—Cuyahoga and Lorain Counties; Dayton area—Montgomery County; Detroit area—Oakland and Wayne Counties; Hartford area—Hartford County; Indianapolis area—Marion County; Kansas City area—Clay and Jackson Counties, Mo., and Wyandotte County, Kans.; Los Angeles area—Los Angeles County; Milwaukee area—Kenosha, Milwaukee, and Racine Counties; Minneapolis-St. Paul area—Dakota, Hennepin, and Ramsey Counties; New York City-Newark-Jersey City area—Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J.; Philadelphia-Camden area—Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Camden, and Gloucester Counties, N. J.; Pittsburgh area—Allegheny, Beaver, Washington, and Westmoreland Counties; Providence-Fall River-New Bedford area—Providence County, R. I., and Bristol County, Mass.; Reading area—Berks County; Rochester area—Monroe County; St. Louis area—St. Louis City and St. Louis County, Mo., and Madison and St. Clair Counties, Ill.; San Francisco-Oakland area—Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties; Scranton-Wilkes-Barre area—Lackawanna and Luzerne Counties; Seattle-Tacoma area—King and Pierce Counties; Springfield-Holyoke area—Hampden County; Toledo area—Lucas County; Wheeling area—Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio; Worcester area—Worcester County; Youngstown area—Mahoning and Trumbull Counties, Ohio, and Lawrence and Mercer Counties, Pa. See also general note, p. 802

[All figures except number of wage earners in thousands of dollars]

Area	Wage earners (average for year)		Wages		Value of products		Value added by manufacture	
	1935	1937	1935	1937	1935	1937	1935	1937
United States	7,203,784	8,569,231	7,311,329	10,112,883	44,993,699	60,712,872	18,552,553	25,173,539
Total for areas	4,023,883	4,768,548	4,547,403	6,251,249	27,207,880	36,279,316	11,951,021	15,443,924
Akron area	49,774	52,888	70,223	80,702	365,683	395,871	173,671	179,774
Albany-Schnectady-Troy area	37,649	44,085	39,896	57,190	205,811	304,469	111,324	158,876
Allentown-Bethlehem area	48,393	56,850	41,642	62,106	189,352	290,734	97,421	150,708
Baltimore area	84,415	105,615	83,861	124,623	613,650	925,761	249,299	362,495
Boston area	226,936	247,685	235,743	281,911	1,224,194	1,483,927	574,550	677,039
Bridgeport-New Haven-Waterbury area	122,187	146,077	124,110	173,309	529,780	761,229	286,250	396,284
Buffalo area	82,094	105,722	98,569	154,440	753,182	1,078,068	272,174	433,175
Chicago area	421,397	538,775	494,037	740,160	3,315,851	4,711,428	1,414,456	1,995,958
Cincinnati area	85,931	101,044	96,454	128,762	621,641	794,341	254,797	330,770
Cleveland area	138,310	163,319	163,394	232,570	856,370	1,210,522	402,778	570,486
Dayton area	34,257	47,388	43,032	72,594	204,760	315,584	121,401	185,702
Detroit area	330,676	406,882	465,420	648,515	2,657,006	3,409,351	1,025,648	1,304,953
Hartford area	55,138	70,079	59,845	89,474	216,320	314,894	135,029	194,556
Indianapolis area	34,244	41,254	36,097	50,350	227,681	297,483	107,419	142,475
Kansas City (Missouri and Kansas) area	36,608	41,410	40,209	49,857	474,050	549,273	122,373	139,767
Los Angeles area	94,013	128,555	105,848	164,763	838,623	1,205,280	321,288	466,080
Milwaukee area	99,123	120,957	113,772	172,675	599,791	871,529	286,091	395,288
Minneapolis-St. Paul area	46,637	55,509	49,754	69,316	432,517	533,733	166,756	205,528
New York City-Newark-Jersey City area	766,351	848,345	878,371	1,046,187	5,624,038	6,764,288	2,665,285	2,878,131
Philadelphia-Camden area	312,377	345,553	335,118	421,546	1,869,180	2,350,645	842,026	1,005,830
Pittsburgh area	174,717	227,675	195,232	348,702	1,032,912	1,746,908	450,352	767,357
Providence-Fall River-New Bedford area	141,891	158,075	127,763	157,766	526,159	670,564	251,428	316,731
Reading area	40,905	45,429	39,078	47,349	121,486	156,921	67,007	83,761
Rochester area	44,548	57,690	50,260	78,620	235,733	342,224	135,140	198,585
St. Louis area	115,325	140,876	120,931	171,719	875,228	1,202,719	339,117	465,275
San Francisco-Oakland area	76,963	88,414	91,274	122,916	825,618	1,052,363	292,289	356,821
Scranton-Wilkes-Barre area	33,302	33,363	26,391	28,380	105,953	133,635	55,724	65,297
Seattle-Tacoma area	30,631	39,103	34,203	51,202	218,823	307,401	85,963	115,586
Springfield-Holyoke area	39,693	46,187	41,780	57,242	192,997	258,177	98,113	132,139
Toledo area	37,666	41,716	44,541	59,023	261,069	334,092	126,720	142,985
Wheeling area	47,537	50,574	53,965	72,523	257,616	332,671	101,945	126,386
Worcester area	73,501	88,203	74,821	103,077	303,379	424,879	153,658	220,664
Youngstown area	60,634	83,251	71,704	130,626	430,437	748,362	163,570	288,420

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 833.—Textile Manufactures—Production, by Kind: 1935 and 1937

Note.—In general, most of the articles 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

PRODUCT	Unit	QUANTITY (THOUSANDS OF UNIT SPECIFIED)		VALUE (THOUSANDS OF DOLLARS)	
		1935	1937	1935	1937
COTTON MANUFACTURES					
Total value				1,035,430	1,286,249
Ducks (except tire)	Sq. yard	150,371	222,814	37,110	45,452
Sheetings	do	1,390,455	1,825,884	107,875	150,606
Drills	do	178,698	281,809	18,629	27,482
Twills and sateens	do	265,338	343,574	31,587	41,728
Osnaburgs	do	141,372	153,093	15,220	16,206
Print cloth	do	1,610,281	2,121,066	100,951	133,125
Broadcloths and poplins	do	369,074	472,791	36,057	45,241
Pajama checks and dimities	do	22,990	45,958	1,780	4,206
Tobacco and cheesecloth and gauze	do	641,660	902,776	12,763	17,856
Napped fabrics	do	298,706	455,411	31,253	49,183
Blankets, all cotton, including crib (finished, not in the gray).[1]	do	58,019	110,400	10,803	18,995
Blankets, part-wool, containing less than 25 percent, by weight, of wool or similar fibers.[1]	do	(2)	53,905	(2)	10,535
Denims, pin stripes, pin checks, and hickory stripes.	do	206,367	245,965	33,527	38,481
Bed ticking	do	56,574	60,164	8,047	8,550
Shirtings	do	273,389	345,744	29,721	42,165
Ginghams (carded and combed yarn fabrics)	do	40,560	12,173	5,210	1,400
Cottonades and other coverts (except shirting coverts).	do	45,967	59,733	8,057	11,972
Voiles (combed or part-combed)	do	32,665	48,165	2,554	3,275
Organdies and lawns (combed or part-combed)	do	212,131	303,232	15,284	22,909
Tire fabrics	Pound	118,304	167,688	39,939	46,930
Towels, towelings, washcloths, bath mats, and terry-woven fabrics other than towels, etc.[3]	Sq. yard	178,463	211,812	35,197	40,774
Bedspread fabrics	do	49,041	57,219	8,109	9,155
Plushes, velvets, and velveteens	do	20,593	24,432	11,942	16,207
Corduroys	do	31,773	30,217	10,039	8,896
Cotton table damask	do	15,341	15,910	3,320	2,980
Drapery and upholstery fabrics (including tapestries), except fabrics classified as pile fabrics or fine goods.	do	104,560	115,033	26,276	30,049
Cotton narrow fabrics				41,158	43,205
Yarns made for sale	Pound	390,037	533,634	133,569	176,341
Thread	do	34,854	38,886	35,137	41,359
Tire cords on cones	do	75,676	93,093	24,368	28,155
Cotton waste made for sale	do	338,673	515,425	21,027	25,076
Other cotton products				138,229	127,756
LACE GOODS					
Total value				25,794	26,770
Nottingham lace curtains	Pair	9,572	10,690	11,328	12,070
Nottingham lace curtain nets	Lin. yard	4,886	5,190	1,148	1,377
Levers laces				9,980	9,766
Other lace products				3,337	3,548
KNIT GOODS					
Total value				592,834	641,081
Full-fashioned hosiery	Doz. pair	36,425	40,200	200,703	229,259
Seamless hosiery	do	80,071	85,358	115,724	122,718
Union suits	Dozen	6,278	7,224	35,853	43,501
Sweaters, sweater coats, and jerseys	do	4,386	4,712	55,342	59,247
Bathing suits of knit fabric (made from materials owned by establishments reporting).	do	990	[4] 1,207	14,551	[4] 17,320
Headwear, except infants'	do	969	859	3,875	2,854
Neckties	do	255	69	519	157
Dresses and suits	Number	4,031	1,788	22,570	[5] 10,380
Knitted cloth made for sale				53,578	57,589
Other knit products				90,119	98,056
RAYON AND SILK MANUFACTURES					
Total value				308,461	354,973
Rayon and silk broad goods	Sq. yard	1,027,091	1,138,629	237,072	279,953
Rayon	do	730,711	947,314	141,226	200,176
Rayon mixtures	do	44,110	54,820	18,844	22,195
Silk	do	239,470	109,226	69,666	40,842
Silk mixtures	do	12,794	27,270	7,336	16,740

For footnotes, see p. 844.

No. 833.—Textile Manufactures—Production, by Kind: 1935 and 1937—Continued

PRODUCT	Unit	QUANTITY (THOUSANDS OF UNIT SPECIFIED)		VALUE (THOUSANDS OF DOLLARS)	
		1935	1937	1935	1937
RAYON AND SILK MANUFACTURES—Con.					
Rayon and silk narrow fabrics				24,803	30,651
Ribbons				9,918	13,237
Fringes and gimps				4,937	2,492
Other				9,947	14,921
Silk and rayon yarn and thread made for sale				46,587	33,675
Other silk and rayon products					10,695
WOOL AND HAIR MANUFACTURES [6]					
Total value				(7)	**669,583**
Men's-wear suitings and pantings	Sq. yard	224,390	215,634	101,844	215,594
Men's-wear overcoatings and topcoatings	do	53,181	45,578	50,949	50,099
Women's-wear coatings	do	83,662	88,449	61,412	80,026
Women's-wear suitings and dress fabrics	do	62,479	55,678	46,235	41,996
Shirtings	do	13,242	13,075	8,810	10,810
Other apparel fabrics	do	(7)	51,322	(7)	28,325
Nonapparel fabrics	do	59,268	62,597	60,696	74,831
Blankets, bed and camp except crib:					
98 percent or more wool or similar animal fibers.	do	19,569	18,096	13,295	14,329
25 to 98 percent wool or similar animal fibers	do	40,598	19,066	10,242	9,026
Less than 25 percent wool or similar animal fibers.	do		(8)		(8)
Other blankets	do	745	1,084	600	[9] 1,169
Woven felts	Pound	[10] 5,212	5,005	12,180	14,715
Yarns [11]	do	97,947	75,355	101,595	98,766
Tops [11]	do	9,376	9,950	7,023	7,384
Noils [11]	do	15,421	10,143	6,750	5,743
Other products				5,159	16,772
FELT GOODS, EXCEPT WOVEN FELTS					
Total value				21,237	27,510
Trimming and lining felts	Pound	5,067	5,352	2,722	3,029
Carpet and rug linings and cushions	do	38,928	52,728	5,766	9,173
Boot, shoe, and slipper felts and linings	do	7,841	6,836	3,309	3,456
Automotive felts	do	10,440	9,541	2,845	3,068
Other felts	do	33,496	37,998	6,596	8,785
HAT BODIES, CARDED WOOL FELT					
Total value				10,161	13,397
Hat bodies, carded, for sale as such	Dozen	1,803	2,428	6,797	9,668
Finished hats	do	322	372	3,364	3,728
CARPETS AND RUGS					
Total value				119,103	174,367
Wool carpets	Sq. yard	24,481	32,292	43,658	78,980
Wool rugs made of sewed strips	do	1,039	976	2,781	2,654
Wool rugs woven whole	do	(7)	32,078	61,138	68,265
Other carpets and rugs				3,230	6,904
Other products				8,297	17,564
RECOVERED WOOL FIBER					
Recovered wool fiber, total	Pound	57,201	61,962	13,555	14,760
HATS, FUR-FELT					
Total value				54,409	65,047
New hats finished	Dozen	1,645	1,715	37,942	44,214
New hat bodies and hats in the rough, made for sale as such.	do	1,932	2,200	16,467	20,833
ARTIFICIAL LEATHER AND OILCLOTH					
Total value				33,380	39,177
Artificial leather	Sq. yard	(12)	91,125	22,421	27,876
Pyroxylin-coated	do	63,813	79,841	18,351	23,873
Other	do	(12)	11,284	4,080	4,003
Oilcloth	do	80,355	73,355	10,948	11,301
ASPHALTED-FELT-BASE FLOOR COVERING AND LINOLEUM					
Total value				49,549	65,055
Asphalted-felt-base floor covering	Sq. yard	128,043	156,081	31,260	35,481
Linoleum	do	24,453	35,745	18,289	29,574

For footnotes, see p. 844.

No. 833.—Textile Manufactures—Production, by Kind: 1935 and 1937—Continued

PRODUCT	Unit	QUANTITY (THOUSANDS OF UNIT SPECIFIED)		VALUE (THOUSANDS OF DOLLARS)	
		1935	1937	1935	1937
CORDAGE AND TWINE AND JUTE AND LINEN GOODS					
Total value				72,491	102,020
Rope, cable, and cordage:					
Manila hemp	Pound	75,390	88,122	9,050	14,209
Sisal and/or henequen	do	6,859	7,924	547	816
Cotton	do	22,750	27,220	5,908	7,071
Other				1,232	2,179
Twine, binder [13]	Pound	108,811	114,943	6,630	8,582
Twine, cotton	do	50,733	69,214	13,948	17,950
Twine, other				12,496	15,992
Yarns and roves produced for sale	Pound	86,182	115,946	11,023	14,787
Linen thread	do	2,653	2,960	3,142	3,570
Linen and part-linen woven goods	Sq. yard	8,917	7,749	2,394	2,481
Jute bagging	do	39,979	61,682	2,838	5,831
Other products				3,284	8,552

[1] For production of wool-and-cotton mixed blankets containing 25 to 98 percent wool, see "Wool and hair manufactures," p. 843.
[2] See "Wool and hair manufactures," p. 843.
[3] For 1935—finished fabrics (not in the gray). For 1937—partly in the gray; partly finished fabrics.
[4] In addition, 82,000 dozen bathing suits valued at $1,772,000 were reported as made from woven fabric and 114,000 dozen valued at $795,000 made from purchased knitted fabric. Figures for bathing suits made on contract from materials owned by others and made in contract shops from materials owned by establishments reporting included with "Other knit products" to avoid disclosing data reported by individual establishments.
[5] Figures for dresses and suits made in contract shops from materials owned by establishments reporting included with "Other knit products" to avoid disclosing data reported by individual establishments.
[6] For 1935—sales (goods invoiced to customers). For 1937—quantity is production, including products made for others on commission and those made for own use; value is value of cloths woven from materials owned and cloths woven on commission.
[7] No comparable data.
[8] See "Cotton manufactures," p. 842.
[9] Includes $63,000 for which no square yards were reported.
[10] Production including products made for others on commission and those made for own use.
[11] For 1935—sales (goods invoiced to customers); for 1937—made for sale.
[12] No data.
[13] Not including binder twine made in 8 penal institutions, as follows: 1935, 57,355,000 pounds; 1937, 42,809,000 pounds.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 834.—Boots and Shoes (Other Than Rubber)—Production, by Class: 1914 to 1939

Note.—**In thousands of pairs.** Detailed value data were not collected at the censuses. For total value of products of the industry see table 830, p. 823. Data for 1925 to 1939 compiled from monthly reports of manufacturers representing approximately 95 percent of the total production in the United States for 1925 to 1929, 98 percent from 1930 to 1933, 99 percent for 1934 to 1936, and 98 percent for 1937 to 1939

YEAR	Total	Men's [1]	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic [1 2]	All fabric [2 3]	Part leather and part fabric	Slippers [4]	All other
1914	292,666	98,031	22,896	80,916	48,322	15,477	(5)	(5)	(6)	(5)	27,024
1919	331,225	95,017	26,504	104,813	48,538	16,669	586	11,059	(6)	(5)	28,042
1925	323,553	86,546	21,021	104,782	38,691	24,587	5,914	8,564	(6)	23,899	9,549
1930	304,170	77,147	18,530	112,629	32,037	18,558	1,728	2,593	(5)	34,994	5,954
1932	313,290	74,403	18,100	113,944	33,600	15,653	1,111	6,132	1,874	38,212	10,170
1933	350,382	88,821	19,944	130,742	33,180	18,578	1,316	4,637	1,435	40,648	11,030
1934	357,119	91,387	17,348	133,045	34,521	19,451	1,333	3,930	1,374	43,713	11,018
1935	383,761	99,525	17,847	145,231	37,276	21,167	1,961	3,671	2,891	42,055	12,138
1936	415,227	103,784	16,570	161,858	36,845	21,612	2,486	2,802	3,569	51,311	14,301
1937	411,969	102,895	17,481	149,675	39,911	22,786	2,576	7,705	14,541	48,294	6,104
1938	390,746	96,660	17,137	147,755	40,188	21,315	2,695	8,072	8,537	42,487	5,899
1939	424,136	103,753	16,858	167,697	43,990	24,085	3,857	4,037	7,209	45,695	6,056

[1] Figures beginning with 1927 are not strictly comparable with earlier years owing to the fact that large quantities of heavy footwear now included with men's shoes were included with "Athletic" prior to 1927.
[2] Figures exclude footwear with fabric uppers and rubber soles; data for this class, for certain census years, are shown in table 840, p. 850.
[3] Figures include satin, canvas, etc.
[4] Includes slippers and moccasins (all leather and part leather, felt, etc.) for house wear.
[5] Not reported separately; included with "all other."
[6] Not reported separately; included with the various classes of boots and shoes.

Source: Department of Commerce, Bureau of the Census; figures are published currently in monthly releases.

No. 835.—Leather—Production, by Principal Types of Raw Stock: 1928 to 1939

[Cattle hide in thousands of hides, other figures in thousands of skins]

YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb	YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb
1928	20,237	15,617	54,852	38,706	1934	19,771	12,442	44,982	34,255
1929	19,146	15,364	55,686	38,985	1935	21,932	14,140	48,250	38,405
1930	17,675	14,171	55,445	30,393	1936	22,628	13,127	47,363	37,942
1931	16,234	12,438	48,637	32,443	1937	22,380	12,027	46,554	34,232
1932	14,583	11,580	37,014	28,841	1938	19,047	12,991	31,905	28,941
1933	17,115	13,049	44,312	33,881	1939	22,089	14,027	40,419	39,384

Source: Tanners' Council of America.

No. 836.—Leather—Production, by Kind: 1931, 1935, and 1937

PRODUCT AND UNIT OF QUANTITY	QUANTITY [1]			VALUE (THOUSANDS OF DOLLARS) [1]		
	1931	1935	1937	1931	1935	1937
Total value				253,682	293,872	372,458
Sole and belting leather				73,183	85,997	110,212
Oak and union sole—1,000 backs, bends, and sides	11,746	16,005	18,348	55,030	61,960	80,078
Chrome and combination sole—do	447	1,187	1,052	2,175	4,246	3,996
Horse-sole—1,000 butts	(2)	(2)	400	(2)	(2)	825
Belting butts—curried [3]—1,000 butts and butt bends	266	466	628	2,785	4,448	6,365
Offal (heads, bellies, shoulders, etc.) [4]—1,000 pounds	86,161	91,542	94,438	13,193	15,343	18,948
Harness leather				2,166	4,366	4,490
Union-black—1,000 sides	96	300	303	513	1,527	1,816
Oak black and russet—do	279	513	431	1,653	2,839	2,675
Bag, case, and strap leather—finished grains—do	(5)	851	887	(5)	4,727	5,316
Collar leather—do	180	366	376	627	1,104	1,510
Welting leather—1,000 pounds	2,077	7,486	7,240	712	2,161	2,298
Upholstery leather (automobile, furniture, and carriage)—finished				(5)	4,518	7,139
Whole-hide grains and machine-buffed—1,000 hides	(5)	262	425	(5)	3,282	5,227
Splits (main and second)—1,000 pieces	(5)	187	312	(5)	1,236	1,911
Upper leather				(5)	127,315	153,095
Cattle, including kip sides—1,000 sides	12,514	20,069	20,010	32,536	51,929	64,508
Calf and whole kip, except kip sides—1,000 skins	10,544	12,800	12,324	27,135	28,815	35,706
Goat and kid—do	34,978	41,009	37,580	37,285	36,106	39,133
Kangaroo and wallaby—do	1,156	1,295	1,189	1,048	1,746	1,634
Horse, colt, ass, and mule (butts and shanks)				643	837	1,344
Wax and finished splits—1,000 pieces	(2)	(2)	10,298	(2)	(2)	8,537
Other				(5)	7,882	2,234
Glove and garment leather				16,729	18,129	23,468
Horse, colt, ass, and mule—half and whole fronts [6] 1,000 equivalent half fronts	1,599	1,596	1,615	3,514	3,197	3,862
Sheep and lamb except shearlings—1,000 skins	9,039	13,448	12,592	6,835	8,948	10,072
Shearlings—do	(5)	(5)	2,729	(5)	(5)	4,878
Other				6,379	5,984	[7] 4,655
Fancy and bookbinders' leather				10,495	6,263	6,626
Lining leather				(2)	(5)	15,431
Sheep and lamb—shoe stock—1,000 skins	(2)	(5)	11,152	(2)	(5)	9,210
Goat and kid—do	(2)	(5)	4,968	(2)	(5)	4,755
Other				(2)	(5)	1,466
Patent upper leather, cattle including kip sides, japanned—1,000 sides	(2)	(5)	3,020	(2)	(5)	9,326
Splits, other than wax and finished upper and upholstery—1,000 splits	(2)	(2)	15,765	(2)	(2)	10,230
Skivers—1,000 doz	192	184	226	1,685	1,908	2,304
Other leather				[8] 45,965	[8] 31,989	10,650
Rough leather:						
Belting butts—for sale as such 1,000 butts and butt bends	369	494	653	2,020	3,682	5,829
Other rough leather				[9] 555	[9] 1,712	4,535

[1] Comparable figures for 1933 are not available. See third paragraph of general note, p. 802.
[2] No data.
[3] Not including butts and butt bends curried by establishments classified in other industries that buy rough tanned leather for further manufacture into finished articles.
[4] Data not strictly comparable because 1935 figures are partially incomplete.
[5] No comparable data or data incomplete.
[6] Combined glove, garment, and upper leather.
[7] Includes some fancy leather.
[8] Includes values for items to which footnote 5 is indexed and therefore are not comparable with those for 1937.
[9] Some items included in "Other leather" and therefore are not comparable with those for 1937.

Source: Department of Commerce; Bureau of the Census; reports of Biennial Census of Manufactures.

No. 837.—Chemicals—Production, by Kind: 1933, 1935, and 1937

Note.—Data shown in this table represent products made for sale and for interplant transfer. In addition, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishments. There is considerable duplication in the total value of products due to the use of products sold by one establishment as material for other establishments manufacturing chemicals. Tons are of 2,000 pounds, except as noted

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1933	1935	1937	1933	1935	1937
Total value					489,977	642,803	916,529
Acetates [1]					11,407	13,217	20,587
Amyl	Gallon	608	1,026	1,522	442	789	1,189
Butyl	do	3,763	5,631	9,316	2,578	3,687	5,085
Calcium [2]	Ton	26	26	23	1,166	826	727
Ethyl	Gallon	5,082	5,563	6,946	2,660	2,679	2,919
Acetone	Pound	(3)	68,922	84,309	(3)	2,642	2,845
Acids [1]					50,657	65,390	85,953
Acetic (basis 100 percent) [4]	Pound	65,150	101,501	131,645	4,303	5,455	6,607
Boric (boracic)	do	21,613	28,738	40,524	845	1,246	1,545
Chromic	do	4,969	6,723	8,997	537	888	1,260
Citric [5]	do	5,690	10,493	18,138	1,795	2,768	4,119
Hydrochloric (basis 100 percent)	Ton	45	55	71	2,387	3,048	3,988
Mixed (sulphuric-nitric)	do	42	46	54	1,883	2,105	2,485
Nitric (basis 100 percent)	do	30	25	35	2,428	2,143	3,053
Oleic	Pound	(3)	43,763	38,087	(3)	3,273	3,605
Oxalic	do	9,223	8,884	10,198	903	945	1,087
Phosphoric [6]	do	24,653	45,386	78,251	892	1,334	1,786
Stearic	do	(3)	27,438	31,889	(3)	2,777	3,656
Sulphuric [7] (basis 50° Baumé)	Ton	3,848	4,488	5,719	26,482	31,908	42,198
Tannic [5]	Pound	682	725	1,016	236	305	382
Tartaric	do	6,799	6,887	10,643	1,493	1,609	2,485
Alcohols:							
Methyl, synthetic	Gallon	8,793	13,359	[8] 31,606	1,680	3,611	[8] 8,619
Butyl	Pound	(3)	35,878	79,934	24,122	2,602	5,867
Ethyl and other alcohols [9]		(3)	(3)	(3)		34,492	35,820
Ammonia, anhydrous [10]	Pound	150,185	138,779	223,041	5,930	5,679	8,868
Ammonia, aqua and liquor (N. H_3 content). [11]	do	11,390	23,916	25,515	923	1,235	1,310
Bicarbonates and carbonates [1]					30,363	36,514	43,089
Sodium bicarbonate, refined (basis 100 percent).	Ton	129	137	142	3,586	3,658	3,606
Soda ash	do	1,654	1,872	2,324	24,183	28,425	33,769
Bromides					2,764	4,964	7,057
Calcium carbide	Ton	101	147	193	6,059	6,234	9,842
Calcium oxychloride (bleaching powder). [12]	do	28	40	46	921	909	937
Carbon, activated	do	(3)	11	11	(3)	926	1,444
Carbon bisulphide	Pound	90,179	117,758	155,238	3,283	3,385	4,754
Carbon tetrachloride	do	30,344	51,970	78,709	1,354	2,150	3,068
Chlorides [1 13]					15,647	16,257	18,741
Calcium (basis 73 to 80 percent) [14]	Ton	158	227	264	2,716	3,629	4,181
Sulphur	Pound	45,998	59,117	66,598	665	889	994
Ammonium (sal ammoniac)	do	(3)	34,865	39,599	(3)	1,584	1,821
Chromates and bichromates [1]					3,579	5,230	6,465
Sodium	Ton	29	42	49	3,281	4,763	5,926
Citrates					1,464	1,357	948
Coal-tar products [15]					107,273	120,582	157,744
Crudes [16]					16,985	19,173	29,471
Intermediates					21,443	29,360	37,140
Finished products [15]					68,845	72,048	91,133
Cyanides					3,205	4,430	4,884
Ester gum	Pound	(17)	21,373	25,590	(17)	1,482	2,213
Ether (ethyl)	do	7,421	7,915	13,097	1,385	1,305	1,052
Ferro-alloys, electric-furnace	Ton [18]	121	217	352	11,868	23,490	45,295
Fluorides					(3)	1,969	5,134
Glycerine, crude [19]	Pound	22,161	24,043	24,181	1,191	2,366	3,593
Glycerine, dynamite grade [19]	do	107,853	118,727	43,586	7,915	12,973	7,823
Glycerine, chemically pure [19]	do			78,813			13,460
Hydroxides [1]					26,007	30,205	34,792
Potassium (caustic) [5]	Ton	9	10	11	868	1,200	1,438
Sodium (caustic)	do	645	720	897	24,478	28,134	32,028
Iodides [1]					1,309	745	794
Potassium	Pound	479	433	613	1,108	572	599
Modified sodas	Ton	22	29	26	776	1,140	1,051
Nitrates (except sodium) [1 20]					2,359	3,322	4,335
Silver (lunar caustic)	Ounce	4,146	5,195	7,249	1,072	1,908	2,285
Ammonium	Pound	18,694	25,298	45,560	574	674	1,131
Oxides [1]					4,503	8,770	14,719
Tin	Pound	2,743	3,245	3,324	1,118	1,686	1,707

For footnotes, see p. 847.

No. 837.—Chemicals—Production, by Kind: 1933, 1935, and 1937—Con.

PRODUCT	QUANTITY (THOUSANDS OF UNIT SPECIFIED)				VALUE (THOUSANDS OF DOLLARS)		
	Unit	1933	1935	1937	1933	1935	1937
Peroxides [1]					2,966	3,859	4,790
Hydrogen (basis 100 volumes)	Pound	12,119	17,409	22,925	2,388	3,155	3,781
Phosphates [1]					11,486	14,190	16,207
Calcium	Ton	42	41	44	5,332	5,116	5,444
Sodium:							
Tribasic	do	80	87	117	3,684	3,862	4,235
Dibasic	do	38	35	22	1,396	1,338	814
Monobasic and pyro	do	3	5	13	540	833	1,735
Plastics [21]					24,905	44,036	61,996
Nitrocellulose (pyroxylin)	Pound	10,096	13,341	14,851	7,799	10,682	12,526
Finished articles of nitrocellulose (pyroxylin) [22]					5,020	5,116	5,390
Cellulose acetate	Pound	2,875	10,395	18,924	2,246	7,986	12,200
Coal-tar resins	do	41,557	87,719	[23]131,568	7,509	15,672	[23] 23,584
Other plastics and synthetic resins, including synthetic rubber					2,331	4,578	8,296
Sodium borate (borax)	Ton	94	106	126	3,163	3,603	3,416
Sodium hypochlorite [24]	do	32	51	75	2,073	4,305	6,275
Sodium silicate (liquid and solid) [25]	do	630	608	641	6,583	7,674	8,355
Stearates					352	1,109	1,773
Sulphates [1]					16,826	21,497	26,769
Aluminum (concentrated alum)	Ton	322	348	393	6,600	7,748	8,959
Copper (blue vitriol)	Pound	56,070	54,759	78,892	1,408	2,002	3,883
Magnesium (Epsom salt)	Ton	37	38	41	1,234	1,117	1,217
Sodium:							
Glauber's salt	do	40	[26] 40	[26] 32	586	[26] 542	[26] 491
Hyposulphite (thiosulphate)	do	18	24	33	763	1,054	1,412
Niter cake	do	17	19	23	353	344	522
Salt cake (crude)	do	115	[27] 170	[27] 241	1,471	[27] 1,864	[27] 2,368
Zinc	Pound	29,797	37,466	37,630	512	721	1,143
Ammonium	Ton	(3)	96	102	(3)	2,073	2,418
Sulphides [1]					1,870	2,112	2,344
Sodium [28]	Ton	31	25	27	1,354	1,390	1,530
Sulphites					3,003	3,752	3,924
Sulphur, refined	Ton	49	60	76	1,736	2,054	2,333
Tartrates					1,089	868	1,302
Vitreous enamels ("frit")	Pound	39,853	73,397	110,879	2,587	4,400	6,826
Other chemicals					83,394	109,590	206,518

[1] Value includes data for items not shown separately.
[2] Production in 1935 and 1937, basis 80 percent; for 1933, as reported, regardless of strength.
[3] Data incomplete, no comparable data, data not available, or data withheld.
[4] Synthetic, natural, dilute, and glacial.
[5] Production in 1935 and 1937, basis 100 percent; for 1933, as reported, regardless of strength.
[6] Production in 1933, basis 50 percent, in part P_2O_5 and in part H_3PO_4; in 1935 and 1937, basis 50 percent H_3PO_4.
[7] Data for production by establishments classified in lead smelting and refining and copper smelting industries included in figures for 1935 and 1937, but not in those for 1933.
[8] In addition, 3,968,000 gallons of refined natural methanol, valued at $1,133,000, was produced for sale in the "Wood distillation and charcoal manufacture" industry.
[9] The production of ethyl alcohol in proof gallons, as reported to the Bureau of Internal Revenue, Treasury Dept., was as follows: 1933, 138,600,000; 1935, 193,219,000; 1937, 215,438,000.
[10] Includes production from ammonia liquor, as follows: 1935, 2,991,000 pounds, value $389,000; 1937, 2,662,000 pounds, value $246,000; 1933, not reported separately.
[11] Figures for 1935 and 1937, but not for 1933, include data for ammonia produced in the manufacture of gas. For production in coke industry, see Bureau of Mines report, Minerals Yearbook.
[12] Basis 35 to 37 percent available chlorine.
[13] For 1933, includes methyl chloride; thereafter, included in "Compressed and liquefied gases" industry.
[14] In addition, production by establishments engaged primarily in manufacture of salt was as follows: 1935, 8,000 tons, value $50,000; 1937, 7,000 tons, value $67,000. Data included for 1933.
[15] Figures for 1935 and 1937 do not include color lakes, included with "Paints, pigments, and varnishes" (table 838), nor certain other coal-tar chemicals, shown elsewhere in this table. Data for these classes of products are included with the figures for 1933.
[16] Not including byproduct crudes made in coke plants and gas works.
[17] Data incomplete; value included in that of "Other chemicals." [18] Tons are of 2,240 pounds.
[19] Total production of crude glycerine, as reported to the Div. of Cotton and Oils, Bur. of the Census, for 1937, was 169,039,000 pounds. Most of this was further refined and sold or used as glycerine, dynamite grade, or glycerine, chemically pure. Prior to 1937, both dynamite grade and chemically pure glycerine were reported as glycerine, refined.
[20] Data for sodium nitrate withheld to avoid disclosing an approximation of the output of an individual establishment. Value included in that of "Other chemicals."
[21] Data for production of photographic-film base and wrapping materials are not included. Value of these included in that of "Other chemicals."
[22] Made in producing establishments in "Chemicals not elsewhere classified" industry. Nitrocellulose articles are also made from purchased nitrocellulose plastics by establishments in other industries.
[23] Includes an indeterminable amount of materials used as fillers, such as wood flour, etc.
[24] Production in 1935 and 1937, basis 15 percent available chlorine; for 1933, as reported, regardless of strength.
[25] Liquid, basis 40°. [26] Includes that refined from natural product. [27] Includes product made from brines.
[28] Production in 1935 and 1937, basis 60 to 62 percent; for 1933, as reported, regardless of strength.

Source: Dept. of Commerce, Bur. of the Census; reports of Biennial Census of Manufactures.

No. 838.—Miscellaneous Products Made by Chemical Processes

Note.—Semifinished products made for consumption in the same establishment are not included, 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. Tons are of 2,000 pounds

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1933	1935	1937	1933	1935	1937
BONE BLACK, CARBON BLACK, ETC.							
Total value					8,641	15,454	19,579
Bone black	Pound	23,123	32,922	35,571	829	1,313	1,717
Carbon black (Bureau of Mines)	do	273,125	352,749	510,606	7,602	13,755	17,389
Lampblack	do	3,012	3,902	5,309	210	386	473
COMPRESSED AND LIQUEFIED GASES							
Total value					[1] 48,185	67,831	85,580
Acetylene	Cu. ft.	754,089	1,143,199	1,511,445	11,039	14,748	19,166
Carbon dioxide (not solid)	Pound	[2] 117,382	[2] 87,657	[2] 100,716	4,466	4,541	4,940
Chlorine, for sale	Ton	125	207	286	4,436	7,961	10,417
Hydrogen	Cu. ft.	589,290	743,860	1,103,177	915	1,557	1,849
Oxygen	do	1,821,880	2,683,859	4,441,391	12,997	18,126	26,073
Nitrous oxide (laughing gas)	Gallon	82,220	95,861	97,768	811	946	1,114
Dry ice (solid carbon dioxide)	Pound	59,058	165,124	313,217	1,970	3,246	4,619
Other gases					11,502	16,707	17,403
FERTILIZERS							
Total value					82,811	121,058	178,264
Complete fertilizers	Ton	3,274	4,202	5,681	61,180	93,092	128,750
Superphosphates, not ammoniated (including concentrated phosphates), for sale.[3]	do	1,546	1,755	3,113	12,882	16,489	27,846
Other fertilizers	do	376	525	890	8,749	11,477	21,667
PAINTS, PIGMENTS, AND VARNISHES		*1931* [4]			*1931* [4]		
Total value					382,064	423,168	552,507
Pigments, colors, for sale	Pound	1,296,006	1,507,754	1,870,276	69,428	87,012	117,200
Paints in paste form	do	242,528	256,715	269,827	26,101	23,268	28,541
Ready-mixed and semipaste paints	Gallon	81,287	90,645	110,248	125,112	129,108	163,580
Water paints and kalsomine, dry or in paste.	Pound	122,823	125,165	150,876	5,265	5,298	7,622
Plastic paints	do	14,561	13,220	15,564	1,393	781	1,103
Varnishes, japans, lacquers, enamels, and allied products.					[5] 127,852	[5] 171,186	[5] 226,003
Quantity reported	Gallon	89,936	128,372	169,626	124,340	166,178	220,328
Fillers (liquid, paste, and dry)					1,211	1,159	2,111
Putty	Pound	69,907	71,841	90,544	2,992	2,872	3,683
Bleached shellac	do	10,731	12,525	14,639	2,619	2,425	2,664
SOAP							
Total value					238,062	223,809	271,803
Bar soap:							
Toilet soap	Pound	305,638	352,976	360,611	53,064	53,325	62,805
Laundry soap	do	1,431,104	1,134,065	1,122,421	68,385	51,340	61,388
Granulated, powdered, and sprayed soap.	do	421,804	503,118	743,194	40,977	45,284	68,409
Soap chips and flakes	do	351,077	458,935	390,455	30,353	36,320	38,005
Washing powders	do	262,711	219,048	232,411	12,059	7,746	9,104
Cleansers and scouring powders containing soap.	do	164,067	233,587	178,346	6,383	7,688	7,172
Shaving soap [6]	do			14,631	[5] 11,553	[5] 9,218	9,730
Quantity reported	do	(7)	12,868	14,631	(7)	7,816	9,730
Liquid soap, not including packaged shampoos.	do	33,627		29,870	2,421	[5] 1,073	2,435
Quantity reported	do	33,627	22,593	29,870	2,421	1,523	2,435
Soap stock or soap base, for sale	do	8,978	3,665	4,522	547	270	347
Textile soap, including potash and foots soaps for textile manufacture.	do	(7)	70,052	60,708	12,320	5,350	5,358
Potash soap, other than textile and liquid.	do	(7)	20,804	25,072		1,484	2,157
Other and not reported by kind						3,802	4,894

[1] Does not include value of methyl chloride.
[2] Includes approximately 64,500,000 pounds piped to plants making dry ice in 1933, 25,285,000 pounds in 1935, and 17,000,000 pounds in 1937.
[3] Basis 16 percent available phosphoric acid.
[4] Comparable data for 1933 are not available; see third paragraph of general note, p. 802.
[5] Includes value of production for which no quantity was reported.
[6] Includes shaving cream with soap base. Shaving cream containing no soap is classified as a product of the "Perfumes, cosmetics, and toilet preparations" industry, p. 849. The total production of shaving cream, with and without soap, in 1935 and 1937, was valued at $7,957,000 and $9,629,000, respectively.
[7] No comparable data.

No. 838.—Miscellaneous Products Made by Chemical Processes—Con.

PRODUCT	VALUE (THOUSANDS OF DOLLARS)[4]		
	1931	1935	1937
DRUGS AND MEDICINES			
Total value	305,545	280,491	335,667
Medicinal products sold direct to or prescribed by physicians	[7]	132,931	133,935
Alkaloids and derivatives, made for sale	7,677	5,861	6,915
Biological products	14,821	13,412	17,679
For human use:			
Antitoxins	2,430	2,644	3,008
Bacterins	1,026	1,002	1,089
Serums	1,103	1,136	1,729
Vaccines	1,146	1,552	1,915
Viruses	193	604	493
Undistributed	1,189	921	2,022
For animal use:			
Antitoxins	255	201	120
Bacterins	543	627	846
Serums	5,436	3,348	4,723
Vaccines	516	438	676
Viruses	886	700	708
Undistributed	97	239	350
Other products	283,047	113,657	109,341
U. S. P. and N. F.[8]		39,508	35,811
Special formulas		64,944	66,357
Undistributed		9,206	7,173
Medicines in specially prepared packages made for sale to the general public		136,458	101,214
U. S. P. and N. F.[8]		[9] 31,413	[9] 28,942
Not U. S. P. and N. F.[8]		[9] 105,046	[9] 162,272
Medicinal products not classified above, and undistributed		5,935	1,887
Poultry and animal remedies (except biological products)		5,167	8,630
INSECTICIDES AND FUNGICIDES, AND INDUSTRIAL AND HOUSEHOLD CHEMICAL COMPOUNDS			
Total value	59,687	69,242	98,096
Deodorants, other than for human use	1,501	779	1,037
Disinfectants and insecticides	34,875	37,946	43,847
Reported by kind:			
Agricultural insecticides and fungicides	13,749	16,544	19,713
Calcium arsenate	1,280	2,322	1,879
Lead arsenate	3,674	4,173	5,541
Lime-sulphur, dry	564	275	341
Lime-sulphur, solution	1,206	991	1,013
Paris green	6,965	489	336
Other including nicotine-sulphate and sulphur dust		8,293	10,603
Household insecticides and repellants	14,773	13,303	17,820
Fly sprays	9,258	5,723	7,339
Insect powder (Pyrethrum)	1,851	1,409	2,022
Fluoride powders and mixtures	416	425	423
Moth repellants	1,551	1,095	3,040
Not reported by kind	1,698	4,651	4,995
Disinfectants	5,412	5,246	6,314
Not reported by kind	942	2,853	
Boiler compounds	3,387	5,883	4,319
Other industrial and household chemical compounds	19,925	24,634	48,804
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS			
Total value [10]	166,257	129,438	143,024
Perfumes and toilet waters	15,004	11,463	12,595
Creams, other than shaving cream	25,125	14,430	17,597
Lip sticks and lip rouges	5,100	4,714	4,418
Other rouges	5,030	2,574	2,520
Dentifrices	35,699	29,722	35,559
Deodorants for human use	2,802	3,020	3,503
Shampoos	4,087	4,157	5,539
Face powders	18,872	11,205	11,287
Talcum powders	8,418	5,095	6,041
Other toilet powders	2,543	3,529	3,112
Hair dyes, tonics, and dressings	15,889	11,046	13,238
Face lotions	5,817	5,566	7,831
Other toilet preparations	21,272	22,907	19,784

[4] Comparable data for 1933 are not available; see third paragraph of general note, p. 802.
[7] No comparable data.
[8] United States Pharmacopoeia and National Formulary.
[9] Because of a reclassification, figures for 1935 are not strictly comparable with those for 1937.
[10] Because of a reclassification of certain products, figures for 1931 are not strictly comparable with those for subsequent years.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 839.—Tanning Materials, Natural Dyestuffs, Mordants and Assistants, and Sizes—Production, by Kind: 1933, 1935, and 1937

	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1933	1935	1937	1933	1935	1937
Total value				21,058	30,453	41,099
Tanning extracts (solid and liquid):						
Chestnut [1]	236,065	302,842	363,706	3,517	4,588	4,968
Sumac [1] (solid and liquid)	[2] 6,452	[2] 3,552	3,358	301	204	169
Other				1,416	2,153	2,662
Other tanning materials				1,783	2,974	3,065
Natural dyestuffs:						
Logwood (solid and liquid)	10,827	8,706	8,215	870	744	832
Other extracts, and ground, chipped, and dry product.				263	197	576
Mordants				459	538	575
Assistants, total value				6,216	11,440	17,841
Softeners, soluble oils, and greases:						
Total value				[3]	4,603	5,222
Quantity reported	[4]	43,993	63,450	[3]	3,896	5,222
Quantity not reported				[3]	707	
Sulphonated oils and fats:						
Quantity reported	[4]	42,836	57,427	[3]	3,932	4,769
Quantity not reported				[3]	1,424	1,778
Other [5]				[3]	1,481	6,071
Sizes, total value				6,233	7,614	10,410
Dextrin	24,174	29,493	26,944	1,448	1,591	1,599
Other, total value				4,785	6,023	8,811
Quantity reported	162,776	175,316	206,524	4,600	5,479	8,811
Quantity not reported				185	544	

[1] Pounds for 1935 and 1937, basis 25 percent tannin; for 1933, not reported according to strength.
[2] No solid sumac extract reported. [3] No comparable data. [4] Includes synthetic textile assistants.

No. 840.—Rubber Products—Production, by Kind: 1933, 1935, and 1937

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1933	1935	1937	1933	1935	1937
Total value					468,615	671,722	878,626
Tires and inner tubes:							
Pneumatic tires and casings:							
Motor-vehicle	Number	45,376	48,765	54,113	221,051	322,193	412,766
Motorcycle and bicycle	do	46,812	4,006	5,056	31,715	3,852	4,583
Inner tubes:							
Passenger car, truck, and bus	do		47,761	52,373		44,386	55,739
All other, including motorcycle and bicycle.	do		1,550	3,590		728	1,759
Solid and cushion tires:							
Truck and bus for highway transportation.	do		37	23	[1] 3,746	1,534	876
Industrial truck, tractor, and trailer.	do		117	232		854	1,548
All other, including carriage and other tiring.	Pound		6,994	13,567		718	1,501
Boots, rubber	Pair	2,622	3,029	3,884	4,659	5,534	7,625
Shoes and overshoes, rubber	do	32,984	37,810	41,599	23,042	30,384	32,602
Shoes, canvas, with rubber soles	do	29,689	23,955	31,519	13,813	12,343	18,042
Heels, for sale as such	do	272,504	278,369	295,081	11,119	11,594	16,285
Soles, incl. composition or fiber	do	91,995	69,656	72,476	8,316	7,259	10,750
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Sq. yard	8,620	5,227	6,006	3,362	1,874	2,123
All other	do	62,631	66,119	63,608	14,836	18,186	19,509
Belting	Pound	30,628	48,363	58,706	12,928	20,498	32,060
Hose and tubing					18,074	26,626	40,410
Packing	Pound	9,328	11,409	14,047	1,872	2,737	3,551
Druggists' and stationers' sundries					8,242	12,387	15,968
Hard-rubber goods					9,928	14,032	16,711
All other manufactures of rubber					81,912	122,232	164,486
Reclaimed rubber produced [2]	Pound	[3]	266,785	399,629	[4]	11,774	19,738

[1] Includes data for a small quantity of casings and tubes other than for motor vehicles, motorcycles, and bicycles.
[2] Including reclaimed rubber transferred to other plants of same company.
[3] No comparable data. [4] Included with "All other manufactures of rubber."

Source of tables 839 and 840: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 841.—Printing and Publishing—Receipts and Circulation

PUBLICATIONS	1929	1931	1933	1935	1937
	Value (thousands of dollars)				
Total	2,711,607	2,184,813	1,505,484	1,865,524	2,182,922
Newspapers and periodicals, printed and published or published only	1,580,565	1,293,777	937,114	1,089,811	1,269,524
Newspapers	1,073,119	886,523	667,820	760,247	861,689
Periodicals, other than newspapers	507,445	407,254	269,294	329,564	407,835
Subscriptions and sales	460,326	425,267	367,440	403,691	459,469
Advertising	1,120,238	868,510	569,674	686,120	810,054
Books and pamphlets, printed and published or published only [1]	215,552	158,642	95,905	136,481	168,257
Newspapers, periodicals, books, and pamphlets, printed for publication by others [2]	129,518	156,737	101,372	130,580	144,820
General job printing, composition sold to the trade, ready prints, and paper patterns	785,971	[3] 575,657	[3] 371,093	[3] 507,084	[3] 597,875
Manifolding done in printing establishments	[4]	[4]	[4]	1,569	2,446
	Aggregate circulation per issue (average for the year)				
Newspapers and periodicals:					
Daily	42,947,824	42,124,651	38,424,281	41,552,243	44,135,658
Sunday	29,011,648	27,453,465	25,453,894	29,196,006	32,713,298
Triweekly	311,777	215,694	165,703	142,928	264,343
Semiweekly	2,982,184	2,637,126	2,836,089	3,852,640	3,481,822
Weekly	53,378,350	46,954,782	51,413,509	57,932,576	73,177,172
Monthly	133,048,488	122,670,528	103,192,794	102,193,740	126,864,213
Quarterly	20,605,002	19,575,617	23,237,557	23,277,089	25,808,324
All other classes	11,514,355	8,353,006	6,334,286	7,668,599	14,450,796

[1] Includes books of music printed and published or published only. For 1929 and 1931, includes value of sheet music published by establishments that did no printing and value of music printed for others.
[2] The inclusion of this item results in duplication in the total value of products since it represents amounts paid by publishers for work done for them, and consequently enters into the production cost and the "Value of products" (receipts for subscriptions and sales and advertising), reported by the publishers.
[3] In addition, lithographed or engraved paper patterns, music, maps and atlases, labels, tags, and greeting cards valued at $24,691,000 in 1931, $21,287,000 in 1933, $33,025,000 in 1935, and $36,789,000 in 1937, were reported by establishments in other industries.
[4] No comparable data.

No. 842.—Engines, Turbines, Water Wheels, Windmills, and Locomotives—Value, by Kind: 1929 to 1937

[In thousands of dollars]

CLASS	1929	1931	1933	1935	1937
Total	291,768	104,349	42,888	104,316	221,481
Steam engines and turbines	32,459	14,893	8,443	11,180	19,087
Reciprocating marine	5,181	493	161	244	193
Reciprocating stationary and portable		1,634	435	1,139	2,633
Stationary turbines	27,278	8,427	5,670	9,798	12,861
Marine turbines		4,339	1,505		3,400
Not reported as to type			672		
Internal-combustion engines (not including tractors)	166,634	68,279	29,624	65,429	131,651
Diesel and semi-Diesel type—					
Marine (Diesel)	11,430	4,876	1,828	5,137	12,148
Other	15,369	6,978	3,326	11,868	29,118
Other internal-combustion engines—					
Marine—					
Inboard	7,111	5,528	949	2,237	3,204
Outboard	7,852	2,352	1,249	2,385	4,519
Motor-vehicle [1]	50,654	15,424	4,147	6,583	11,277
Other stationary and portable	49,251	19,341	9,406	24,610	42,807
Aircraft engines [2]	24,966	13,780	8,719	12,610	28,577
Windmills	4,063	1,214	1,400	1,833	2,613
Water wheels and water turbines	5,028	6,889	483	3,263	2,967
Engines and turbines not specified as to kind of power	675		191	870	
Locomotives, steam, electric, and internal-combustion	82,909	[3] 13,073	2,748	21,735	65,163

[1] Excluding engines built for installation in motor vehicles manufactured in the same establishments.
[2] Excluding engines built for installation in aircraft manufactured in the same establishment.
[3] Not including value of electric locomotives.

Source of tables 841 and 842: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 843.—Machinery—Value of the Principal Classes Manufactured

Note.—In thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "Machinery not elsewhere classified," "Motor vehicles," "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 844 to 848

Class	1929	1931	1933	1935	1937
Agricultural machinery	167,673	49,954	17,109	68,916	114,340
Aircraft (begun and completed within year)	52,167	22,368	15,860	17,454	38,664
Bakers' machinery and equipment	21,730	10,876	7,332	11,869	18,120
Blowers and fans	25,243	15,323	6,955	15,830	26,282
Bottlers' machinery, except for dairies	11,082	5,653	9,157	8,264	21,135
Canning machinery	8,535	4,065	3,139	8,271	11,840
Cash registers, adding, calculating, and card-tabulating machines, and typewriters	151,583	62,279	[1] 46,577	83,217	119,833
Cement and concrete machinery:					
Cement-making machinery	4,387	1,579	545	1,646	2,065
Concrete mixers	11,405	4,367	963	2,415	5,543
Other cement and concrete machinery	4,132	1,457	224	1,809	4,053
Clay-working machinery (brick, pottery, etc.)	4,402	1,671	591	1,071	2,727
Condensers	4,386	2,590	990	1,297	1,735
Confectionery and ice-cream machinery	3,674	3,809	2,667	5,052	7,217
Conveying and elevating machinery:					
Bucket type	9,387	2,605	2,107	2,019	3,039
Belt type	14,206	7,153	3,463	3,935	9,321
Other	24,944	12,261	5,844	16,091	20,451
Cotton-ginning machinery	11,760	2,630	2,165	4,892	11,300
Cranes (including hoists and derricks)	57,840	18,448	5,607	13,227	35,426
Dairy machinery	16,593	11,388	8,327	14,864	19,162
Dredging and excavating machinery:					
Power shovels	43,348	18,609	4,519	12,560	28,800
Other	[2] 17,397	[2] 11,578	3,643	7,466	13,772
Electrical machinery (generators, motors, and fans, including parts)	285,974	138,425	73,405	151,501	283,545
Elevators and elevator machinery	44,044	20,035	8,322	9,110	21,235
Engines (steam or internal-combustion), turbines, and water wheels	204,796	90,062	38,740	80,748	153,705
Flour-mill and grain-mill machinery	8,286	4,342	2,354	5,167	6,916
Glass-making machinery	3,688	2,545	1,895	3,543	4,729
Hydraulic machinery (other than for dredging)	10,082	4,540	1,549	5,593	[3]
Laundry machinery (for commercial laundries only)	28,893	14,637	5,980	11,051	16,206
Lawn mowers	10,953	6,141	3,467	4,987	8,427
Leather-working machinery, other than shoe	1,249	816	747	1,005	1,220
Locomotives (steam, electric, and internal-combustion)	82,900	13,073	2,748	21,735	65,163
Machine tools	186,374	58,712	23,936	87,412	205,822
Metal-working machinery, other than machine tools	50,336	36,294	13,530	53,888	82,020
Mining machinery (not including well drilling or dredging)	[4] 40,325	[4] 12,570	8,107	21,195	29,124
Motorcycles, side cars, bicycles, and parts	21,108	13,285	[3]	22,807	39,827
Motor vehicles, except motorcycles	3,412,056	1,387,173	928,650	2,152,986	2,848,786
Oil-mill machinery, cottonseed, and other	2,533	1,286	2,110	2,790	4,677
Oil-well machinery (including drilling) and other well-drilling machinery and supplies	90,530	24,635	21,483	54,893	121,881
Packing-house machinery	6,663	4,622	2,756	5,317	7,029
Paper-mill and pulp-mill machinery	30,456	15,793	8,696	14,829	33,177
Pneumatic machinery (other than pneumatic tools):					
Air compressors	39,683	15,210	7,214	15,891	28,328
Other pneumatic machinery	1,691	1,657	397	2,546	[3]
Printers' machinery	64,860	32,324	13,598	30,377	46,582
Pumps (hand and power) and pumping equipment	132,747	71,555	36,846	64,210	121,836
Refrigerators, mechanical	167,149	128,033	90,694	152,513	243,805
Refrigerating and ice-making machinery (complete machines)		16,642	4,115	6,570	9,534
Road-making machinery	30,694	27,006	11,126	26,039	50,327
Rubber-working machinery	13,552	4,425	3,347	4,883	12,271
Scales and balances	25,385	12,072	6,805	12,191	17,169
Sewing machines	37,378	15,252	10,274	18,250	24,593
Shoe machinery	12,317	9,755	8,130	10,245	10,903
Slot-vending machines	8,821	5,861	5,472	5,989	8,978
Stokers, mechanical	14,054	8,310	5,629	11,537	22,176
Sugar-mill machinery	5,046	1,840	794	1,260	4,344
Textile machinery and parts	115,525	61,223	57,892	64,899	101,845
Transmission machinery	26,787	15,326	9,693	11,899	[3]
Vacuum cleaners (electric)	35,108	24,847	14,411	24,191	36,029
Washing machines, clothes wringers, driers, and ironing machines for domestic use	79,011	48,281	42,422	59,513	73,291
Windmills	4,063	1,214	1,400	1,833	2,613
Woodworking machinery	35,151	11,057	6,100	12,542	23,118

[1] Includes other miscellaneous adding, calculating, and computing devices.
[2] Excludes mining dredges. [3] No comparable data. [4] Includes dredging machinery.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 844.—Electrical Machinery, Apparatus, and Supplies—Value, by Classes: 1929 to 1937

[In thousands of dollars]

PRODUCT	1929	1931	1933	1935	1937
Total value	**1,918,733**	**987,643**	**529,436**	**918,216**	**1,647,224**
Generating apparatus, except railway and vehicle power generators	61,116	25,287	12,794	34,593	77,558
Motor-generator sets and dynamotors (not including arc welding sets)	13,307	6,007	2,201	5,862	10,832
Transformers, current-limiting reactors, and induction-voltage regulators (except measuring-instrument transformers)	84,032	42,742	13,004	34,357	91,970
Storage batteries and parts and supplies	109,601	65,736	52,129	65,901	78,250
Dry batteries and wet primary batteries and parts and supplies	40,334	20,200	15,315	19,817	24,627
Switchboard apparatus (circuit breakers, panelboards, switchboards, and switches)	81,201	44,832	16,243	36,188	88,743
Measuring instruments, meters, relays, analyzers, and instrument and meter transformers	38,523	22,715	9,328	23,486	41,114
Insulated wire and cable and armored conductor	323,982	126,160	65,637	122,226	245,342
Conduits and fittings	46,768	27,464	14,692	23,095	39,443
Fuses and fuse blocks (except high-voltage and power types, 2,300 volts and over)	14,036	7,761	4,825	5,013	7,117
Stationary motors	136,035	68,430	41,173	72,668	143,606
Fractional horsepower	51,252	33,648	23,746	37,806	75,775
One horsepower and over:					
Direct current	22,619	9,060	3,622	8,489	15,629
Alternating current	62,163	25,722	13,574	26,373	52,202
Not reported by kind or rating			230		
Automotive starter motors (not including vehicle motors or control switches)	32,849	13,044	9,032	[1] 25,300	20,540
Fans (direct motor-driven)	10,196	8,984	2,437	6,695	15,505
Control apparatus (except railway and vehicle controllers, all types)	44,289	22,186	15,165	28,280	47,388
Lamps (not including sockets and other fittings) and vacuum tubes	85,320	70,502	50,142	67,551	81,990
Industrial apparatus and appliances (electric furnaces and heating and welding apparatus)[2]	20,695	11,321	7,975	20,701	35,673
Commercial cooking apparatus	2,250	1,439	625	1,491	2,765
Household apparatus and appliances	84,485	55,578	36,707	72,704	112,275
Vacuum cleaners, electric	35,108	24,847	14,411	24,191	36,029
Flatirons	8,018	5,070	4,639	6,554	8,909
Cooking utensils	13,341	8,250	5,311	8,922	16,432
Ranges, disc stoves, and hot plates	16,933	9,643	4,189	14,196	25,037
Air heaters, radiant and convector type	1,833	1,012	362	577	1,201
Water heaters (for permanent installation) and parts and accessories	1,640	1,316	432	3,530	5,605
Other	7,612	5,440	7,365	14,733	19,012
Wiring devices	38,395	21,778	17,796	24,583	32,003
Wiring supplies	22,296	10,339	4,702	12,345	23,607
Carbons	17,049	9,512	8,997	12,470	20,432
Electrotherapeutic and electromedical (including dental) apparatus and X-ray apparatus (exclusive of X-ray tubes)	23,555	9,164	4,389	9,243	16,299
Flashlight cases	7,050	2,171	1,876	3,571	5,772
Ignition apparatus for internal-combustion engines	58,627	27,894	23,432	40,528	58,201
Lightning arresters and choke coils	6,515	3,257	1,592	2,871	5,983
Radio parts (coils, condensers, etc.)	[3]	[3]	[3]	26,406	47,328
Rectifying apparatus	4,259	2,871	1,723	3,046	5,025
Signaling apparatus, electric	34,820	17,465	6,432	12,146	22,043
Telephone and telegraph apparatus	166,293	113,170	21,180	43,584	115,883
Other	310,763	129,631	67,802	61,544	129,789

[1] Includes values of parts and supplies.
[2] Motor-driven machine tools are classified in the "Machine tools" industry.
[3] No data.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 845.—Farm Equipment—Production, by Class and Kind: 1937, 1938, and 1939

Class	Number			Value (thousands of dollars)		
	1937	1938	1939	1937	1938	1939
All products, total value				580,049	490,013	474,229
Plows and listers				33,042	26,818	20,305
Moldboard plows	465,607	313,416	240,625	15,537	12,644	8,719
Disk plows	28,530	22,549	16,407	4,165	3,446	2,541
Other [1]				13,340	10,728	9,046
Harrows, rollers, pulverizers, and stalk cutters				16,653	13,303	11,723
Disk harrows	135,544	103,421	84,545	9,745	7,595	6,447
Spike-tooth and spring-tooth harrow sections	400,224	313,274	193,329	3,526	2,671	1,702
Soil pulverizers and packers	19,517	15,878	10,166	1,019	835	590
Other [1]				2,363	2,201	2,985
Planting and fertilizing machinery				27,526	20,246	14,367
Corn planters	77,384	61,117	46,012	3,693	3,111	2,143
Combination corn and cotton planters	78,461	57,051	33,982	1,900	1,625	793
Grain drills	57,000	41,242	23,384	7,045	5,926	2,889
Manure spreaders	60,057	27,344	33,363	7,217	2,967	4,158
Other [1]				7,671	6,618	4,383
Cultivators and weeders				22,251	16,871	12,290
Horse-drawn cultivators	217,418	158,958	102,320	3,701	2,610	1,526
Tractor-drawn cultivators	127,188	90,760	63,547	10,937	7,947	5,832
Field cultivators	11,774	11,488	6,004	1,285	1,237	656
Garden cultivators, hand	233,230	271,951	205,078	457	447	368
Other [1]				5,760	4,630	3,909
Harvesting machinery				46,602	71,522	49,020
Grain binders	31,259	47,619	15,242	5,371	9,457	3,020
Combines (harvester-threshers)	29,403	48,046	41,537	21,284	35,628	25,473
Corn binders (row-binders)	16,694	12,765	5,535	2,821	2,256	974
Corn pickers	13,586	16,722	16,044	6,172	6,902	6,484
Other [1]				10,953	17,281	13,069
Haying machinery				19,740	14,604	14,256
Mowers	125,852	70,225	73,112	8,015	5,026	5,188
Rakes, sulky, side delivery, and sweep	84,780	59,429	43,566	4,302	3,038	2,592
Loaders	27,256	17,481	15,350	2,558	1,580	1,532
Other [1]				4,866	4,960	5,035
Machines for preparing crops for market or use				20,472	22,572	19,022
Grain threshers	4,996	8,649	2,781	4,049	7,488	2,605
Ensilage and feed cutters	12,168	13,209	31,673	2,229	2,714	2,020
Corn shellers	65,253	50,337	57,897	900	915	1,073
Corn huskers and shredders	1,946	1,576	1,722	960	638	730
Hay presses	5,725	3,595	4,540	2,137	1,455	1,223
Feed grinders and crushers	62,016	53,235	75,692	3,134	3,106	4,668
Other [1]				7,062	6,307	7,303
Tractors				288,304	196,218	203,576
Wheel type	237,837	172,437	185,558	159,686	116,882	110,857
Track-laying type	34,602	16,837	20,127	66,418	33,772	45,305
Garden tractors	10,716	9,949	9,777	1,575	1,345	1,416
Attachments and parts				40,715	44,220	45,999
Engines, internal-combustion (except automotive and marine)				20,849	15,411	18,738
Engines	282,643	186,447	244,848	18,597	13,351	15,755
Attachments and parts				2,251	2,060	2,983
Farm wagons and trucks				8,585	4,394	5,230
Farm wagons	57,560	22,389	30,720	3,056	1,372	1,765
Farm trucks	48,563	21,756	21,416	1,849	851	623
Other [1]				3,060	2,171	2,841
Miscellaneous equipment				95,975	88,054	105,101
Milking machines	21,502	18,787	22,798	1,216	1,239	1,418
Cream separators	84,246	71,632	53,229	3,812	2,921	1,759
Spraying outfits (power)	8,007	6,122	8,188	1,591	1,546	2,040
Elevators, farm (portable)	4,142	4,066	5,103	924	1,411	1,945
Water systems, pneumatic	195,486	176,184	241,664	9,549	8,151	11,755
Pumps, water	726,090	511,485	689,308	3,573	2,449	2,733
Windmills and windmill towers	87,713	63,444	67,098	3,546	2,576	2,732
Barn and barnyard equipment				4,997	4,376	5,450
Poultry-farm equipment				6,516	5,248	7,437
Beekeepers' supplies				1,244	1,165	1,284
Corncribs				578	589	3,652
Grain bins	2,922	6,525	34,605	282	670	4,302
Forks, hoes, and rakes				7,543	5,845	6,054
Shovels, spades, and scoops				7,274	5,824	6,073
Lawn mowers	1,248,898	1,128,373	1,250,958	8,427	9,103	9,691
Lighting plants, electric, residence, etc	37,156	21,349	[2] 96,755	4,338	3,143	[2] 5,006
Silos	9,931	7,560	6,775	3,952	3,189	2,818
Wheel barrows	330,764	345,593	378,796	1,404	1,505	1,563
Other [1]				25,209	27,104	28,288

[1] Including attachments and parts.
[2] Not strictly comparable with earlier years.

Source: Department of Commerce, Bureau of the Census; annual report, Manufacture and Sale of Farm Equipment and Related Products.

No. 846.—Machine Tools—Production, by Kind: 1933, 1935, and 1937

KIND	NUMBER			VALUE (THOUSANDS OF DOLLARS)		
	1933	1935	1937	1933	1935	1937
Machine tools and replacement and repair parts, total value				29,631	98,983	220,508
Boring machines	(1)	604	[2] 927	976	4,530	[2] 6,715
Boring mills, vertical, work revolving			[2] 529			[2] 4,345
Drilling machines:						
Horizontal, vertical, and radial	(1)	(1)	(1)	967	5,237	11,888
Combined vertical and horizontal, automatic, universal-head, and all other	(1)	(1)	(1)	669	1,968	5,367
Forging machines (hammers, presses, etc.)	(1)	(1)	(1)	477	2,119	3,931
Gear-cutting machines	(1)	(1)	1,855	1,030	4,673	10,860
Grinding machines	(1)	(1)	(1)	3,627	13,211	28,177
Lathes:						
Bench (plain and screw-cutting)	3,283	12,174	14,663	1,425	1,153	1,911
Engine		2,567	7,261		3,989	12,709
Automatic	242	(1)	(1)	1,185	9,986	23,716
Turret, horizontal hand-operated	201	(1)	3,138	516	3,637	13,532
Other	(1)	(1)	(1)	768	792	3,246
Milling machines	(1)	(1)	5,061	1,341	6,956	19,586
Portable tools (electric and pneumatic):						
Drills:						
Number reported	24,115	78,179	139,119	1,409	3,373	9,754
Number not reported				94	1,677	
Grinders	(1)	27,646	42,981	466	1,506	2,377
Hammers	11,252	(1)	19,941	629	986	1,303
Other, including portable motor-driven garage equipment, and flexible shaft, etc	(1)	(1)	(1)	2,303	4,893	5,504
Presses (except forging presses)	(1)	(1)	(1)	1,696	6,326	15,036
Shapers and slotters	35	463	1,131	58	922	2,648
Threading machines	493	(1)	(1)	331	1,986	4,179
All other machine tools	(1)	(1)	(1)	3,968	7,492	19,037
Replacement and repair parts				5,694	11,571	14,687

[1] Data incomplete.
[2] Not strictly comparable with figures for earlier years because of differences in the questionnaires.

No. 847.—Machine-Tool Accessories and Machinists' Precision Tools—Production, by Kind: 1933, 1935, and 1937

PRODUCT	VALUE (THOUSANDS OF DOLLARS)			PRODUCT	VALUE (THOUSANDS OF DOLLARS)		
	1933	1935	1937		1933	1935	1937
Total value	46,878	104,939	176,082	Small tools and tool holders—Continued.			
Attachments and fixtures	25,804	58,491	95,650	Milling cutters (all types), end mills, slotting cutters, etc.:			
General equipment:				Solid	2,447	5,262	10,200
Chucks	714	1,873	4,566	Inserted-teeth	1,212	1,786	850
Vises (machine)	81	161	234	Reamers	1,220	3,184	5,062
Attachments for machine tools:				Threading tools:			
Lathe	104	229	728	Taps and dies (not pipe-threading):			
Boring, drilling, and milling-machine	805	1,028	1,384	Taps	1,848	3,806	7,827
Other attachments	99	628	550	Dies	652	1,513	1,955
Other attachments and fixtures	1,592	3,001	6,828	Chasers	1,018	1,789	2,539
Special equipment and machinery	22,501	51,571	81,361	Pipe-threading:			
Small tools and tool holders	17,509	39,367	66,731	Taps	405	424	719
Arbors, collars, and collets (lathe, milling-machine, and drill)	164	499	995	Dies	456	475	849
Counterbores	56	507	1,058	Pipe stocks, complete with dies	650	1,306	1,825
Countersinks and combination countersinks and drills	104	356	543	All other, and those not reported by kind	2,285	7,347	14,151
Drills	4,508	8,981	15,189	Precision measuring tools (micrometer and vernier)	186	1,183	1,581
Hobbing cutters	484	2,131	2,970	Gages (plug, ring, snap, thread, etc.)	761	1,332	3,003
				Other measuring tools	618	1,575	2,229
				Misc. equip't and accessories, not incl. above	[1] 1,910	2,093	6,887

[1] Includes machine-tool accessories, etc., not reported by kind.

Source of tables 846 and 847: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 848.—Refrigerating and Ice-Making Apparatus—Production

PRODUCT	NUMBER		VALUE (THOUSANDS OF DOLLARS)	
	1935	1937	1935	1937
Total value			[1] 226, 611	[1] 375, 406
Mechanical refrigerators and refrigerating systems, compression-type (electric):				
Domestic (household):				
Self-contained, total			[1] 119, 873	[1] 183, 574
Capacity under 6 cu. ft.	875, 397	1, 093, 026	60, 903	84, 458
6 cu. ft. or more but under 10 cu. ft.	536, 308	991, 022	55, 182	95, 986
10 cu. ft. and over	11, 088	12, 102	2, 428	2, 396
Not reported by size			1, 359	734
Commercial			[1] 8, 344	[1] 20, 973
Beverage coolers (for bottled beverages)		63, 653		5, 446
Water coolers, self-contained	(2)	(2)	2, 026	4, 553
Ice-cream cabinets, self-contained:				
Number reported	14, 220	47, 028	2, 062	8, 377
Number not reported			609	100
Other commercial refrigerators and display cases, self-contained	(2)	(2)	3, 648	2, 498
Systems [3] high sides, low sides, etc. (commercial and domestic):				
Systems complete without cabinets	242, 240	279, 645	11, 047	11, 686
Compressors made for sale separately	54, 875	198, 510	3, 910	9, 540
Evaporators made for sale separately:				
Number reported	67, 985	866, 973	1, 573	3, 145
Number not reported			550	1, 355
High sides and low sides made for sale separately			7, 207	12, 451
Room coolers (not air conditioning)	(2)	(2)	(4)	1, 139
Cabinets, [3] display cases etc., for mechanical refrigerators, made for sale separately:				
Domestic (household), all sizes	314, 394	520, 097	9, 497	17, 163
Commercial:				
Refrigerator cabinets:				
Number reported	13, 789	45, 469	1, 151	5, 737
Number not reported			2, 590	1, 781
Display, storage, etc., cases:				
Number reported	8, 021	26, 953	3, 711	13, 418
Number not reported			3, 536	2, 905
Remote fountain or water coolers, with low sides and other commercial cabinets			1, 296	3, 115
Ice refrigerators and ice boxes:				
Domestic (household):				
Number reported	308, 976	394, 550	6, 662	9, 920
Number not reported			233	61
Commercial ice refrigerators, water coolers, milk coolers, food-display cases, etc.			3, 223	5, 354
Ice-making and refrigerating machines and apparatus, commercial and industrial			7, 962	11, 539
Complete machines (ice-making capacity per 24 hours):				
Less than 10 tons:				
Number reported	4, 497	10, 195	2, 460	4, 890
Number not reported			189	560
10 tons or more but under 100 tons:				
Number reported	847	1, 751	2, 825	3, 403
Number not reported			370	117
100 tons and over	(2)	(2)	727	565
Compressors and evaporators made for sale separately as such:				
Number reported	70, 842	10, 300	738	762
Number not reported			654	1, 243
Condensing units (high sides) for air-conditioning	(2)	7, 555	(2)	5, 817
Evaporators for air-conditioning	(2)	17, 440	(2)	1, 130
All other, including air-conditioning equipment, absorption-type refrigerators, custom-built refrigerators, cabinets cooled by replaceable chemical refrigerant and cooling equipment therefor, cabinets and display cases not reported by method of cooling, and parts for all types [5]			34, 236	53, 602

[1] The values of "Systems, high sides, low sides, etc.," (see footnote 3) and "Cabinets, display cases etc.," are duplicated in the totals to which this footnote is indexed, to the extent to which these products were sold to manufacturers in the industry for assembly and sale as complete refrigerators.
[2] No data or data incomplete.
[3] The term "system," as used here, refers to a complete assembly, consisting of "high side" and "low side" with motor, control, and expansion valve or its equivalent. The cabinet is not a part of the system.
[4] Data incomplete; included with "All other, including air-conditioning equipment, etc."
[5] Figures combined to avoid disclosing output of individual manufacturers.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 849.—Radios, Radio Tubes, and Phonographs—Production: 1935 and 1937

Product	Number		Value (thousands of dollars)	
	1935	1937	1935	1937
Radios, radio tubes, and phonographs, total value			[1] 206, 633	[1] 288, 620
Receiving sets complete (cabinets, chassis, speakers, and tubes)			[1] 134, 674	[1] 176, 736
Number reported	5, 645, 162	7, 802, 399	132, 684	175, 380
Number not reported			1, 990	1, 356
For home and genera use		5, 843, 569	104, 816	131, 526
Number reported	4, 397, 804	5, 843, 569	103, 563	131, 526
Number not reported			1, 253	
Covering standard broadcast band:				
Socket-power-operated	1, 250, 219	2, 045, 273	14, 908	29, 529
Battery-operated	187, 026	235, 049	4, 885	3, 665
Extending beyond standard broadcast band—all-wave receiving sets:				
Socket-power-operated:				
Number reported	2, 700, 738	3, 290, 083	76, 742	91, 472
Number not reported			1, 253	
Battery-operated	259, 821	273, 164	7, 028	6, 860
Automobile sets	1, 221, 708	1, 890, 841	25, 556	38, 679
For general use:				
Factory price not over $25	1, 040, 906	1, 810, 601	20, 812	36, 162
Over $25	177, 653	73, 971	4, 526	2, 142
For police use:				
Police sets	3, 149	6, 269	218	375
Aircraft sets (including all accessory equipment except batteries), commercial receiving sets and direction finders, and other sets not specified above			1, 841	1, 963
Number reported	2, 288	10, 182	651	607
Number not reported			1, 190	1, 356
Radio-phonograph combinations	23, 362	57, 807	2, 401	4, 567
Tubes:				
Receiving tubes	78, 231, 142	112, 218, 139	28, 975	39, 251
For replacement	36, 769, 396	41, 472, 438	12, 954	15, 482
Rectifiers (primarily for use with receiving sets)	3, 762, 328	4, 178, 024	1, 203	1, 760
Other tubes	33, 007, 068	37, 294, 414	11, 751	13, 722
For initial equipment	41, 461, 746	70, 745, 701	16, 021	23, 769
Rectifiers (primarily for use with receiving sets)	2, 926, 166	4, 780, 449	1, 119	1, 601
Other tubes	38, 535, 580	65, 965, 252	14, 902	22, 168
Transmitting tubes for initial equipment and for replacement	[2]	[2]	1, 874	3, 005
Rectifier tubes not included above:				
Low-power, 500 watts and under	[2]	79, 657	553	300
High-power, above 500 watts	[2]	41, 603	159	242
Transmitters (including all associated equipment):				
Broadcast	[2]	[2]	401	1, 910
Aircraft	[2]	[2]	1, 004	3, 206
Ship	[2]	540	1, 250	1, 770
Other transmitters, for use at fixed locations	[2]	[2]	3, 115	1, 989
Phonographs and accessories:				
Phonographs for mechanical reproduction, including cabinets	[2]	[2]	2, 107	7, 086
Records	[2]	[2]	3, 705	7, 823
Needles	[2]	[2]	269	583
Miscellaneous:				
Receiving-set chassis for sale separately as such [3]	277, 722	[2]	4, 136	5, 485
Loud speakers for sale separately as such [3]	[2]	[2]	5, 616	9, 213
Microphones (all types)	[2]	[2]	455	694
Public-address and music-distribution apparatus	[2]	[2]	2, 784	3, 696
Other apparatus and products (including dictating machines, phonographs for electrical reproduction of records, including cabinets and tubes, and other miscellaneous products)			15, 554	25, 632

[1] Includes some duplication. See footnote 3.
[2] Data incomplete.
[3] The items to which this footnote is indexed are duplicated in the subtotal and the total at the head of the table, to the extent to which the products were sold to manufacturers of complete radio receiving sets for installation in such sets made within the year covered by the report.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 850.—Motor Vehicles and Aircraft—Production: 1933, 1935, and 1937

Product	Number			Value (thousands of dollars)		
	1933	1935	1937	1933	1935	1937
MOTOR VEHICLES AND CHASSIS						
Total	1,848,013	3,923,052	4,732,553	928,650	2,152,936	2,848,786
Passenger vehicles (not including public conveyances)	1,533,566	3,211,734	3,847,800	752,700	1,752,138	2,296,511
Closed	1,516,343	3,191,877	3,827,517	744,268	1,739,271	2,281,131
Open	17,223	19,857	20,283	8,432	12,866	15,380
Motor busses (including school, sightseeing, and public-utility)	1,574	4,817	7,665	6,948	27,176	47,176
Trucks	213,683	505,226	602,144	110,765	271,202	356,683
Hearses and undertakers' wagons	825	1,681	2,604	1,911	3,769	6,206
Ambulances	418	253	467	520	589	1,155
Truck tractors	1,633	2,464	1,786	3,203	5,028	2,785
Taxicabs and commercial vehicles not specified above	5,281	3,205	4,300	5,245	3,570	3,637
Fire-department apparatus	244	538	985	1,475	2,811	5,868
Other vehicles and apparatus (including street-cleaning apparatus, etc.)	46	124	397	219	762	1,036
Chassis	90,743	193,010	264,345	45,663	85,940	127,729
Passenger	8,756	40,596	36,423	3,875	13,453	12,704
Commercial	81,804	151,675	226,205	41,569	71,702	113,223
Bus	183	739	1,717	219	785	1,802
AIRCRAFT						
Total value				25,619	40,882	101,520
Aircraft begun and completed within the year [1]	1,179	1,365	3,100	15,860	17,454	38,664
Airplanes	1,056	1,313	3,090	13,359	14,895	38,575
Seaplanes and amphibians	68	41		2,221	2,347	
Other	55	11	10	280	213	89
Value of work done during census year on aircraft under construction [2]				2,486	14,069	33,776
Parachutes, propellers, and pontoons				1,375	2,832	8,228
Parts				5,898	6,527	20,852

[1] For 1933, reported as "Built in 1933;" for 1935, as "Begun and completed in 1935;" for 1937, as "Begun and completed in 1937."

[2] The term "aircraft under construction" includes all aircraft (1) begun prior to the census year and finished during the census year, (2) begun prior to the census year and not completed during the year, or (3) begun during the census year and not completed at the close of the census year. Only the value of work done during the census year is reported.

No. 851.—Bicycles—Production: 1899 to 1937

Year	Number	Value	Year	Number	Value
1899	1,182,691	$23,656,487	1925	303,446	$7,030,566
1904	250,487	3,740,923	1927	255,456	5,803,440
1909	233,707	3,228,189	1929	307,845	6,183,773
1914	398,899	5,361,230	1931	260,029	4,733,254
1919	479,163	[1] 12,498,000	1933	[3] 320,000	[1] 5,402,000
1921	[2] 216,464	[2] 6,218,394	1935	656,828	12,059,867
1923	486,177	10,726,900	1937	1,130,736	22,223,431

[1] Estimated in small part.

[2] Not including data for bicycles made by certain establishments engaged primarily in other lines of manufacture, not reported separately. The combined value of bicycles and parts made by these establishments amounted to $176,464.

[3] Estimated in part.

Source of tables 850 and 851: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures.

No. 852.—Cotton Spindles, Cotton Consumption, and Stocks

NOTE.—The statistics for 1915 to 1940 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. The number of active cotton spindles represents spindles operated at some time during the year, and is not as satisfactory a measure of activity of the industry as active spindle hours

YEAR	COTTON SPINDLES (THOUSANDS)					Spindles using cotton with other fibers (thousands)	Active cotton spindle hours (thousands)	COTTON CONSUMED, EXCLUDING LINTERS [1] (THOUSANDS OF BALES)			
	Total in place	Active									
		United States	Cotton-growing States	New England	Other States			United States	Cotton-growing States	New England	Other States
1840	[2]	2,285	181	1,597	506	[2]	[2]	237	71	159	7
1850	[2]	3,998	265	2,959	775	[2]	[2]	576	78	431	67
1860	[2]	5,236	324	3,859	1,053	[2]	[2]	845	94	567	184
1870	[2]	7,132	328	5,498	1,306	[2]	[2]	797	69	551	177
1880	[2]	[3] 10,653	[3] 561	[3] 8,632	[3] 1,460	[2]	[2]	[3] 1,570	[3] 189	[3] 1,129	[3] 252
1890	[2]	14,384	1,570	10,934	1,880	[2]	[2]	2,518	539	1,502	477
1900	[2]	19,472	4,368	13,171	1,933	[2]	[2]	3,873	1,523	1,909	440
1910	28,929	28,267	10,494	15,735	2,038	[2]	[2]	4,622	2,234	1,995	393
1920	36,834	35,481	15,231	18,287	1,963	402	[2]	6,420	3,583	2,397	440
1924	37,804	35,849	16,944	17,066	1,839	258	84,360	5,681	3,858	1,535	287
1925	37,929	35,032	17,202	15,975	1,765	251	91,055	6,193	4,220	1,639	335
1926	37,586	34,750	17,574	15,526	1,650	243	93,941	6,456	4,500	1,628	328
1927	36,696	34,410	17,894	14,995	1,521	235	102,605	7,190	5,194	1,675	321
1928	35,540	33,570	18,282	13,815	1,473	232	96,451	6,834	5,114	1,438	282
1929	34,820	32,417	18,541	12,538	1,339	207	99,604	7,091	5,392	1,447	251
1930	34,025	31,245	18,586	11,351	1,308	177	87,515	6,106	4,749	1,143	214
1931	32,673	28,980	18,073	9,655	1,251	117	75,264	5,263	4,148	937	179
1932	31,709	27,272	17,630	8,566	1,076	113	68,755	4,866	4,033	677	155
1933	30,893	26,895	17,929	8,205	761	119	85,265	6,137	5,087	884	167
1934	30,942	27,742	18,511	8,457	774	126	80,419	5,700	4,550	985	165
1935	30,093	26,701	18,212	7,763	726	88	72,526	5,361	4,306	818	237
1936	28,147	24,664	17,834	6,092	738	78	83,960	6,351	5,336	832	184
1937	26,982	25,419	18,244	6,425	751	91	101,225	7,950	6,626	1,073	251
1938	26,372	24,774	18,128	5,919	727	90	74,962	5,748	4,881	708	160
1939	25,261	23,731	17,666	5,408	657	116	87,696	6,858	5,810	859	189
1940	24,750	23,586	17,641	5,279	666	103	97,006	7,784	6,647	918	219

YEARLY AVERAGE OR YEAR	CONSUMPTION (THOUSANDS OF BALES)							STOCKS IN CONSUMING ESTABLISHMENTS AT END OF YEAR (THOUSANDS OF BALES)			
	Cotton, excluding linters						Linters	Cotton, excluding linters			Linters
	Total	Domestic				Foreign		Total	Domestic	Foreign	
		Total	Upland	Sea Island	American-Egyptian						
1906-1910	[4] 4,829	[4] 4,680	[4] 4,616	[4] 64	-------	149	[5] 163	[4] 731	[4] 673	58	[5] 39
1911-1915	5,257	5,051	[6] 4,976	75	[6]	206	293	822	738	84	86
1916-1920	6,388	6,105	[6] 6,034	71	[6]	282	734	1,452	1,352	100	179
1921-1925	5,869	5,577	5,531	9	37	292	599	1,003	911	92	139
1926-1930	6,735	6,434	6,419	1	15	301	815	1,150	1,050	100	186
1931-1935	5,466	5,325	5,311	1	14	140	720	1,116	1,061	55	261
1920	6,420	6,003	5,914	43	46	417	342	1,358	1,208	150	277
1924	5,681	5,353	5,312	5	36	328	537	722	638	84	101
1925	6,193	5,917	5,894	4	19	276	659	866	787	79	129
1926	6,456	6,176	6,162	2	12	280	804	1,097	1,010	86	144
1927	7,190	6,880	6,859	1	20	309	806	1,405	1,325	80	199
1928	6,834	6,535	6,519	1	15	299	780	1,012	935	77	159
1929	7,091	6,778	6,764	1	13	313	879	1,052	932	120	187
1930	6,106	5,803	5,790	[7]	13	302	805	1,183	1,048	135	239
1931	5,263	5,084	5,068	[7]	15	179	714	996	922	74	254
1932	4,866	4,744	4,732	[7]	12	122	637	1,218	1,163	55	301
1933	6,137	6,004	5,985	1	18	133	761	1,348	1,298	50	322
1934	5,700	5,553	5,540	[7]	13	148	707	1,228	1,172	56	237
1935	5,361	5,241	5,220	1	11	120	719	789	749	40	187
1936	6,351	6,220	6,198	[7]	21	131	734	897	855	42	181
1937	7,950	7,768	7,747	[7]	20	182	819	1,286	1,218	67	236
1938	5,748	5,616	5,608	2	6	132	715	1,263	1,223	39	268
1939	6,858	6,736	6,714	3	19	122	851	862	816	46	291
1940	7,784	7,655	7,631	3	21	128	1,061	972	913	59	400

[1] Includes linters for 1840 to 1908. Figures for all years include foreign and domestic cotton.
[2] Not available. [3] Cotton mills only. [4] Includes linters for 1906 to 1908. [5] Average, 1909 and 1910.
[6] "Upland" includes "American-Egyptian" beginning 1912 (first year produced). [7] Less than 500 bales.

Source: Department of Commerce, Bureau of the Census; annual report, Cotton Production and Distribution.

No. 853.—Cotton Spindle Activity, 1938, 1939, 1940, and Cotton Consumption, 1931 to 1940, by States

NOTE.—Years ended July 31. Consumption includes domestic and foreign cotton and is in running bales counting rounds as half bales, except foreign cotton which is in equivalent 500-pound bales

SECTION AND STATE	COTTON SPINDLES IN PLACE (THOUSANDS)			ACTIVE COTTON SPINDLE HOURS (MILLIONS)			COTTON CONSUMED, EXCLUDING LINTERS (THOUSANDS OF BALES)				
	1937–38	1938–39	1939–40	1937–38	1938–39	1939–40	1931–1935, average	1936–37	1937–38	1938–39	1939–40
United States	26,372	25,261	24,750	74,962	87,696	97,006	5,466	7,950	5,748	6,858	7,784
Cotton-growing States	18,798	18,319	18,136	59,776	69,231	76,751	4,425	6,626	4,881	5,810	6,647
New England	6,773	6,143	5,884	13,709	16,726	18,241	860	1,073	708	859	918
Other States	801	799	730	1,477	1,739	2,014	181	251	160	189	219
Alabama	1,884	1,811	1,800	5,460	6,507	7,635	570	856	588	727	868
Connecticut	596	520	518	1,275	1,301	1,552	60	77	46	54	67
Georgia	3,243	3,234	3,210	10,152	12,416	13,554	985	1,562	1,080	1,348	1,565
Maine	705	689	685	1,988	2,246	2,363	111	169	120	147	150
Massachusetts	3,766	3,434	3,331	6,672	8,700	9,776	442	539	329	410	471
New Hampshire	629	429	307	1,455	1,291	1,150	149	157	118	130	111
New York	355	347	331	564	781	934	76	116	66	84	95
North Carolina	6,049	5,866	5,840	17,150	20,507	23,491	1,298	2,021	1,478	1,789	2,040
Rhode Island	979	973	945	2,106	2,906	3,179	91	120	87	108	111
South Carolina	5,731	5,619	5,519	20,677	23,244	25,279	1,103	1,511	1,196	1,372	1,536
Tennessee	600	550	555	2,306	2,382	2,614	139	191	152	173	191
Texas	255	239	237	871	912	960	74	131	119	125	145
Virginia	634	639	640	2,053	2,185	2,142	128	174	146	139	149
All other States	945	911	833	2,233	2,318	2,376	240	326	222	261	284

Source: Department of Commerce, Bureau of the Census; annual report, Cotton Production and Distribution.

No. 854.—Explosives—Amounts (Excluding Exports) Manufactured and Sold, Continental United States and Alaska: 1915 to 1939

NOTE.—In thousands of pounds. Permissible explosives are those approved by the Bureau of Mines as suitable for use in coal mines

YEAR	Total	Permissible explosives	High explosives other than permissible	BLACK BLASTING POWDER	
				Granular	Pellet
1915	460,901	27,350	235,829	197,722	
1916	505,415	34,685	255,155	215,575	
1917	582,475	43,041	262,316	277,119	
1918	499,125	46,045	206,416	246,663	
1919	417,634	38,855	198,269	180,511	
1920	537,955	53,963	220,112	254,880	
1921	372,108	41,134	170,952	160,021	
1922	431,772	43,430	209,476	178,866	
1923	520,728	60,371	267,405	201,951	
1924	495,533	55,134	273,323	167,076	
1925	501,752	58,353	286,435	[1]156,964	(1)
1926	535,890	67,685	310,518	[1]157,687	(1)
1927	499,011	63,847	303,468	[1]131,696	(1)
1928	475,251	60,708	292,785	98,004	23,754
1929	509,708	62,669	326,993	86,818	33,227
1930	445,090	53,826	291,391	63,139	36,735
1931	337,565	41,578	216,157	46,300	33,530
1932	233,887	32,225	137,908	35,793	27,961
1933	255,987	33,927	157,849	33,887	30,323
1934	314,768	39,208	206,625	37,193	31,742
1935	308,381	39,170	200,324	34,223	34,665
1936	391,605	47,859	262,047	40,420	41,278
1937	404,744	49,579	288,924	29,837	36,404
1938	332,130	41,859	238,576	23,552	28,143
1939	386,438	49,951	278,250	28,322	29,915

USE	Total	Permissible explosives	High explosives other than permissible	Black blasting powder
1938	332,130	41,859	238,576	51,695
Coal mining	111,369	41,417	23,584	46,368
Metal mining	75,613	20	75,407	186
Quarrying and nonmetallic mineral mining	42,706	268	40,702	1,737
Railway and other construction work	88,780	51	85,692	3,037
All other purposes	13,662	103	13,191	367
1939	386,438	49,951	278,250	58,237
Coal mining	124,232	49,401	23,663	51,169
Metal mining	88,280	18	88,061	201
Quarrying and nonmetallic mineral mining	56,522	387	53,732	2,402
Railway and other construction work	103,565	101	99,707	3,758
All other purposes	13,839	44	13,087	707

[1] Pellet powder is included with granular powder. Pellet powder was first manufactured for general sale in 1925.

Source: Department of the Interior, Bureau of Mines; Production of Explosives in the United States.

No. 855.—Tobacco Products—Production, by Kind

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 to 94,943,380 cigars in 1939. Large cigars 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 [1]	Snuff	Large	Small	Large	Small
1901–1905	346,841	175,981		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	221,865	31,140	7,087,530	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	41,565,670
1921–1925	409,467	115,445	10,105	6,972	239,151	37,785	6,691,913	557,300	16,704	65,903,991
1926–1930	389,244	99,470	8,374	5,821	235,421	40,159	6,360,650	414,044	10,479	109,361,216
1931–1935	349,785	64,662	5,404	3,660	239,072	36,987	4,648,368	245,412	20,417	121,702,334
1932	347,279	61,945	4,918	3,354	241,067	35,994	4,382,723	278,749	3,374	106,632,434
1933	342,113	61,361	5,042	3,120	236,491	36,098	4,300,045	209,515	2,846	114,874,217
1934	345,566	62,700	5,080	2,970	237,862	36,894	4,525,780	221,977	88,202	129,976,334
1935	342,728	60,588	5,004	4,683	235,757	36,095	4,685,370	177,822	2,504	139,966,180
1936	347,977	59,165	6,372	5,068	239,349	38,022	5,172,279	180,006	2,458	158,803,958
1937	340,579	58,331	6,774	4,999	233,334	37,141	5,303,369	198,585	3,066	169,969,320
1938	345,369	54,495	5,659	4,572	243,470	37,173	5,014,758	152,990	2,638	171,686,383
1939	343,307	51,263	5,733	4,701	243,640	37,970	5,197,627	156,940	4,369	180,666,824

STATE	NUMBER OF FACTORIES JAN. 1, 1940, MAKING—			PRODUCTION IN 1939 (CALENDAR YEAR)				
	Tobacco and snuff [2]	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	**608**	**3,553**	**75**	**343,307**	**5,197,627**	**156,940**	**4,369**	**180,666,824**
California	26	125	6	372	68,871	6	1	3,376,493
Connecticut	6	113		28	38,908			
Florida	4	155	2	2	909,007	4,954		1,017
Illinois	75	421	1	25,454	31,822			421
Indiana	23	56		130	98,193			
Kentucky	25	23	4	42,274	3,736		1,611	12,313,821
Louisiana		11			77,965			
Massachusetts	27	215	7	292	38,628		9	3,885
Michigan	22	99	1	8,095	111,672			
Minnesota	15	57		44	5,472			
Missouri	14	71	2	29,238	25,975			11,117
New Hampshire	2	33			57,177			
New Jersey	15	117	3	7,424	754,500	1,360	19	10,491,094
New York	126	838	25	1,489	211,010	2,610	1,955	601,000
North Carolina	11	7	7	124,467	41,575	14,589	478	86,307,663
Ohio	47	177		36,825	246,741	37		
Pennsylvania	74	515	7	7,764	1,818,742	70	111	6,071,339
South Carolina	1	4		9	204,860			
Tennessee	12	8		19,962	13,665			
Virginia	8	12	9	29,151	294,448	133,313	185	61,488,974
West Virginia	6	26		7,817	76,753			
All other	69	470	1	2,470	67,907	1		

[1] Includes scrap chewing tobacco.
[2] Factories producing a taxable product, excluding 228 "quasi" manufactures.
Source: Treasury Department, Bureau of Internal Revenue; Annual Report of the Commissioner.

No. 856.—Tobacco Consumption in the United States: 1933 to 1939

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 857

ITEM	1933	1934	1935	1936	1937	1938	1939
Leaf tobacco consumed in manufacture:							
In registered factories	710,668	775,530	775,932	847,367	872,924	865,302	885,299
In bond	1,283	943	1,027	1,165	1,118	1,631	1,743
Manufactured tobacco imported:							
From Puerto Rico	905	903	853	682	475	42	38
Other countries [1]	2,010	3,353	4,456	3,299	4,378	3,381	3,910
Exports of manufactured tobacco [2]	13,606	16,526	18,646	21,543	24,971	27,715	29,262
Remaining for consumption	701,260	764,204	763,622	830,970	853,924	842,641	861,729
Per capita consumption—pounds	5.58	6.04	5.99	6.47	6.61	6.47	6.62

[1] Imports for consumption beginning with 1934; general imports for 1933.
[2] Represents exports to foreign countries and shipments to noncontiguous Territories and possessions.
Sources: Leaf tobacco used in registered factories, Treasury Department, Bureau of Internal Revenue; leaf tobacco used in bonded factories, Treasury Department, Bureau of Customs; other data, Department of Commerce, Bureau of Foreign and Domestic Commerce.

No. 857.—Tobacco, Leaf—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 856)

CALENDER YEAR OR YEARLY AVERAGE	Total	Cigars	Cigarettes	Tobacco and snuff	CALENDER YEAR	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	359,053	87,851	16,235	254,967	1929	796,626	152,129	346,543	297,953
1901–1905	451,461	124,411	12,444	314,606	1930	779,806	137,901	347,915	293,990
1906–1910	524,193	139,206	22,079	362,908	1931	752,404	127,628	329,962	294,813
1911–1915	578,283	151,890	52,207	374,186	1932	690,134	104,288	299,029	286,817
1916–1920	650,460	155,312	130,320	364,828	1933	710,668	104,699	326,093	279,876
1921–1925	672,077	151,421	198,069	322,588	1934	775,530	111,123	375,383	289,024
1926–1930	762,540	149,240	312,533	300,767	1935	776,932	113,742	399,458	262,731
1931–1935	740,934	112,296	345,985	282,652	1936	847,367	126,578	453,327	267,462
1926	737,354	152,372	267,584	317,399	1937	872,924	128,653	479,961	264,309
1927	744,288	152,510	290,464	301,314	1938	865,302	118,751	483,840	262,711
1928	754,625	151,290	310,159	293,176	1939	885,299	122,681	509,133	253,485

No. 858.—Distilled Spirits, Wines, Fermented Malt Liquors, and Cereal Beverages—Production, Tax-Paid Withdrawals, and Imports

YEAR ENDED JUNE 30—	DISTILLED SPIRITS INCLUDING INDUSTRIAL ALCOHOL (THOUSAND TAX GALLONS) [1]			Still wines (thous. wine gallons) [2]	Sparkling wines (thous. half-pint units) [3]	Rectified spirits and wines (thous. proof gallons)	Fermented malt liquors (thous. barrels) [4]	Cereal beverages [5] (thous. barrels) [4]
	Total	Exclusive of fruit brandy	Fruit brandy					
Production: [6]								
1905	153,259	147,811	5,449	(7)	(7)	105,290	49,522	----------
1910	163,894	156,238	7,656	(7)	(7)	99,919	59,485	----------
1915	140,656	132,134	8,522	(7)	(7)	90,858	59,808	----------
1918	178,834	173,476	5,357	(7)	(7)	61,926	50,266	----------
1920	101,265	99,616	1,649	(7)	(7)	591	9,231	----------
1925	167,498	166,951	548	3,638	62	40	(8)	5,119
1928	170,515	170,103	412	4,923	11	46	(8)	4,131
1929	205,038	203,844	1,194	11,382	409	35	(8)	3,866
1930	197,221	196,805	416	3,155	445	31	(8)	3,681
1931	170,394	169,574	820	6,659	1	22	(8)	3,137
1932	150,391	149,760	631	5,210	1	(7)	(8)	2,766
1933	123,405	121,819	1,586	18,756	573	(7)	[9] [10] 9,798	1,261
1934	241,610	233,036	8,574	77,778	10,657	(7)	[10] 37,678	136
1935	349,772	339,895	9,877	91,930	6,214	23,094	45,229	131
1936	449,994	429,900	20,094	170,903	8,277	32,449	51,812	119
1937	482,138	469,666	12,472	122,045	9,623	44,311	58,748	103
1938	351,190	328,645	22,544	228,726	9,780	43,560	56,340	70
1939	346,344	318,897	27,446	231,959	6,684	43,401	53,871	63
1940	387,183	368,756	18,427	212,368	9,635	47,657	54,892	51
Withdrawals, tax-paid: [6]								
1937	120,011	118,094	[11] 1,917	62,035	7,906	----------	55,392	[12] 101
1938	114,926	113,220	[11] 1,706	61,176	7,223	----------	53,926	[12] 69
1939	114,578	112,888	[11] 1,690	67,376	6,338	----------	51,817	[12] 62
1940	128,326	126,749	1,577	82,177	8,377	----------	53,014	[12] 49
Imports for consumption:								
1938	[13] 13,856	[13] 13,155	[13] 701	3,054	[14] 543	436	(15)	----------
1939	[13] 10,824	[13] 10,123	[13] 700	3,157	[14] 514	324	(15)	----------
1940	[13] 12,039	[13] 11,156	[13] 883	3,898	[14] 644	370	(15)	----------

[1] In computing taxable gallons all fractional parts of a proof gallon less than one-tenth are excluded.
[2] Production represents the amount removed from fermenters including wine that is removed for use as distilling material in the production of brandy.
[3] Includes artificially carbonated wine. Tax is payable "on each one-half pint (for artificially carbonated wine, 'on each pint' beginning June 26, 1936) or fraction thereof" of "each bottle or other container."
[4] Barrels of not more than 31 gallons. [5] Containing less than one-half of 1 percent alcohol by volume.
[6] Includes data for Alaska, Hawaii, and Puerto Rico.
[7] No data compiled by Bureau of Internal Revenue. [8] No legal production.
[9] Includes 1,588,788 barrels produced prior to Apr. 7 (effective date of the Act of Mar. 22, 1933).
[10] Alcoholic content limited to 3.2 percent by weight from Apr. 7 to Dec. 5, 1933.
[11] Does not include brandy withdrawn for the fortification of wine.
[12] Total withdrawals; tax law repealed, effective May 10, 1934. [13] In thousands of proof gallons.
[14] In thousands of wine gallons. [15] Figures not available.

Source of tables 857 and 858: Treasury Department, Bureau of Internal Revenue; Annual Report of the Commissioner. Imports, Department of Commerce, Bureau of Foreign and Domestic Commerce; Monthly Summary of Foreign Commerce of the U. S.

No. 859.—Denatured Alcohol:[1] 1910 to 1940

YEAR ENDED JUNE 30—	Alcohol produced at industrial alcohol plants[2]	Denaturing plants	Ethyl alcohol withdrawn for denaturation[3]	DENATURED ALCOHOL PRODUCED		
				Completely denatured	Specially denatured	Total
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1910	----------	12	10,605,871	3,076,925	3,002,103	6,079,027
1915	----------	23	25,411,719	5,386,047	8,599,822	13,986,469
1920	18,933,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1925	166,165,518	91	152,254,039	46,983,970	34,824,303	81,808,273
1929	202,616,750	70	186,045,935	53,296,717	54,623,207	107,919,924
1930	193,823,717	68	185,000,827	59,003,510	47,713,468	106,776,978
1931	168,109,617	61	152,606,700	50,000,627	37,414,521	87,415,148
1932	146,950,913	50	136,388,865	35,002,096	44,541,336	79,543,432
1933	115,609,754	43	107,057,981	27,275,071	35,800,271	63,075,342
1934	165,103,582	41	139,681,129	27,174,311	55,067,092	82,241,403
1935	180,645,920	39	165,233,606	38,746,679	58,284,395	97,031,074
1936	196,126,236	37	174,357,295	36,522,358	64,955,485	101,477,843
1937	223,181,228	45	181,034,322	22,118,378	80,084,281	102,202,659
1938	201,033,858	43	165,848,246	25,598,717	69,009,024	94,607,741
1939	201,017,546	38	177,336,688	17,179,433	83,561,077	100,740,510
1940	243,727,756	40	225,160,792	15,352,033	111,409,797	126,761,830

[1] Includes data for Hawaii for all years and data for Puerto Rico beginning with Aug. 1, 1928.
[2] Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.
[3] Figures include rum and spirits produced at distilleries for denaturation.

Source: Treasury Department, Bureau of Internal Revenue; Annual Report of the Commissioner.

No. 860.—Ethyl Alcohol and Other Distilled Spirits, Except Brandy—Materials Used in Production, by Kinds: 1901 to 1940

YEAR ENDED JUNE 30—	Molasses (thousand gallons)	GRAIN (THOUSAND BUSHELS)				ETHYL SULPHATE	PINEAPPLE JUICE	OTHER MATERIALS[2]	
		Corn	Malt	Rye	Other[1]	Thousand gallons		Thousand gallons	Thousand pounds
1901	3,165	18,867	3,274	5,086	52	-------	-------	-------	-------
1902	12,485	18,474	3,361	5,585	68	-------	-------	-------	-------
1903	15,544	20,598	3,754	5,873	72	-------	-------	-------	-------
1904	18,549	19,149	3,455	5,024	60	-------	-------	-------	-------
1905	20,550	20,593	3,799	5,489	47	-------	-------	-------	-------
1906	22,638	20,002	3,759	5,596	36	-------	-------	-------	-------
1907	25,723	23,475	4,440	6,251	46	-------	-------	-------	-------
1908	28,945	17,384	2,975	3,756	32	-------	-------	-------	-------
1909	33,550	18,081	3,221	4,364	22	-------	-------	-------	-------
1910	42,293	20,547	3,705	5,043	33	-------	-------	-------	-------
1911	44,363	23,247	4,053	5,376	91	-------	-------	-------	-------
1912	61,605	23,017	4,076	5,600	85	-------	-------	-------	-------
1913	64,041	23,848	4,253	5,828	110	-------	-------	-------	-------
1914	64,721	21,316	3,939	5,342	83	-------	-------	-------	-------
1915	123,301	14,260	2,357	2,441	80	-------	-------	-------	-------
1916	80,977	32,070	4,481	3,117	82	-------	-------	71,165	-------
1917	112,498	33,973	4,240	2,375	81	-------	-------	78,463	-------
1918	118,028	14,545	1,690	249	172	-------	-------	68,527	-------
1919	123,499	3,890	573	25	86	-------	-------	9,801	-------
1920	113,133	1,058	215	50	52	-------	-------	19,327	-------
1921	119,053	4,890	914	188	29	-------	-------	31,101	-------
1922	97,223	3,093	816	85	1	-------	-------	74,705	-------
1923	148,711	3,106	831	5	-------	-------	-------	32,543	12
1924	155,001	4,847	1,153	91	20	-------	-------	35,525	155,756
1925	203,270	7,201	1,071	97	11	-------	-------	37,824	112,392
1926	267,404	7,948	650	13	12	-------	-------	44,508	46,885
1927	211,519	8,383	505	7	-------	-------	-------	40,942	49,469
1928	213,630	6,194	453	7	9	-------	-------	56,795	79,576
1929	268,045	9,802	370	8	-------	-------	-------	53,884	53,038
1930	235,797	9,966	666	208	33	1,274	-------	21,601	65,535
1931	187,790	2,454	643	6,385	28	10,072	5,768	19,302	30,344
1932	161,295	4,848	606	218	332	11,146	4,235	15,072	20,377
1933	117,939	5,818	560	564	6	8,943	5,544	6,772	30,265
1934	174,031	10,362	2,515	4,509	48	9,568	7,491	1,672	23,797
1935	195,266	19,400	4,810	10,856	55	13,699	5,317	1,190	28,247
1936	179,123	31,825	6,650	12,835	66	24,403	6,790	8,092	678
1937	208,071	36,242	6,916	11,633	65	25,493	3,598	12,248	982
1938	166,722	19,827	3,690	6,056	48	20,577	2,007	27	456
1939	163,223	18,087	3,275	5,495	61	35,389	1,594	26,177	1,254
1940	198,929	18,911	3,330	5,614	42	45,786	3,256	13,801	12,644

[1] Wheat, barley, rice, etc.; also mixtures of corn, malt, and rye.
[2] Diamalt, sulphite liquor, manioca meal, maguey juice, maple sirup, cider, corn sirup, potatoes, crude alcohols mixture, cellulose pulp and chemical mixtures, etc.

Source: Treasury Department: 1901 to 1933, Bureau of Industrial Alcohol; Statistics Concerning Intoxicating Liquors. 1934 and subsequent years, Bureau of Internal Revenue; annual and special reports.

No. 861.—Motion-Picture Production—Summary: 1921 to 1937

Note.—**All money figures are in thousands of dollars.** Data represent the activities of the motion-picture studios and laboratories. They do not include the distribution of films and their projection in theatres. No data are included for establishments which reported less than $5,000 as the cost of work done. The motion-picture industry has been canvassed, since 1921, in connection with the Biennial Census of Manufactures. It is not, however, a manufacturing industry, but was treated as such prior to 1931

Year and state	Number of establishments	Persons engaged: Salaried officers and employees	Persons engaged: Wages earners (average for year)	Salaries and wages: Salaries	Salaries and wages: Wages	Cost of contract work	Cost of studio supplies, fuel, etc.[1]	Cost of production
UNITED STATES								
1921	127	4,400	6,259	22,953	14,740	563	31,190	77,397
1923	97	3,496	6,408	21,824	16,601	1,609	30,657	86,418
1925	132	5,945	5,573	35,951	13,066	5,369	33,258	93,636
1927	142	7,598	8,415	56,299	18,637	15,477	34,867	134,348
1929	142	8,818	10,784	60,168	24,860	11,312	38,441	134,102
1931	140	[2] 14,839		[2] 70,637		12,016	32,222	154,436
1933	92	[3] 8,260	10,777	[3] 52,948	18,395	4,028	26,153	119,343
1935	129	12,675	14,917	79,743	24,686	5,145	29,541	161,865
1937	83	15,845	18,779	104,324	35,264	7,013	35,575	197,741
STATES, 1937								
California	35	14,007	16,398	101,419	31,533	5,175	25,330	171,943
Los Angeles	24	6,787	8,558	52,231	16,500	1,454	17,027	87,765
Remainder of State	11	7,220	7,840	49,189	15,033	3,721	8,302	84,178
Illinois	7	67	89	136	117	14	146	481
New York	21	1,421	1,462	2,039	2,478	1,586	5,206	16,378
Other States	20	350	830	730	1,137	237	4,893	8,939

PRODUCTS, BY KIND AND COST, AND RECEIPTS FOR WORK DONE

	1931	1933	1935	1937		1931	1933	1935	1937
Total cost of work done	154,436	119,343	161,865	197,741	Unfinished productions, cost	14,729	14,581	15,684	33,075
Negative films, cost	108,560	82,280	118,673	131,755	Laboratory work: Positive films, cost	12,556	7,625	6,046	8,218
Theatrical: Number	1,227	1,059	1,094	3,942	Receipts for work done for others	14,332	11,835	15,089	15,318
Theatrical: Cost	100,065	77,536	110,975	126,089	Value of other work done	2,802	1,520	1,818	3,468
News, cost	3,422	[4] 4,576	[4] 4,940	[4] 4,540	Receipts for use of studio facilities	1,457	1,502	4,554	5,907
Advertising, cost	4,664								
Educational, cost	409	168	324	[4] 1,176					
Other films, cost	-------	-------	2,434						

[1] Includes cost of studio supplies, containers for films, fuel, and purchased electric energy.
[2] Data cover "productive employees" only. These include all wage earners and a part, but not all, of the salaried employees. Figures are not, therefore, comparable with either the wage-earner figures or with the total number of persons engaged. Data for other years cover all classes of employees.
[3] Does not include data for salaried officers of corporations.
[4] Combined to avoid disclosing approximations of data for individual establishments.

Source: Department of Commerce, Bureau of the Census; Biennial Census report, Motion Pictures

No. 862.—Patent Applications, Caveats Filed, and Patents and Certificates of Registration Issued Since Initiation of the Patent System: 1836 to 1939

Note.—The number of patents granted prior to July 28, 1836, was 9,957. Data include patents issued to citizens of the United States and residents of foreign countries

Calendar year or period	Patent applications [1]	Caveats filed [2]	Patents issued				Certificates of registration issued				
			Total	Patents	Designs	Reissues	Total	Trademarks	Trademark renewals	Labels	Prints
1836–1850 [3]	[4] 14,062	[4] 4,763	8,387	7,864	[5] 340	[6] 183					
1851–1860	44,302	9,571	25,087	23,140	1,025	922					
1861–1870	128,763	22,228	85,910	79,612	3,181	3,117	[7] 121	[7] 121			
1871–1880	206,436	29,350	138,355	125,520	7,535	5,300	10,395	8,017		[8] 2,378	
1881–1890	352,475	25,012	217,821	207,850	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		[9] 1,606	[10] 285
1901–1905	253,417	9,168	148,291	143,791	3,953	547	18,590	12,768		4,579	1,243
1906–1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060		2,856	1,459
1911–1915	350,937		194,387	186,241	7,295	851	32,381	27,369		3,522	1,490
1916–1920	368,737		207,108	197,644	8,486	978	35,304	30,681		3,411	1,272
1921–1925	427,127		217,525	203,977	12,326	1,222	81,566	68,881	[11] 2,278	7,361	3,046
1926–1930	459,904		234,857	219,384	13,796	1,677	90,729	71,469	12,067	8,736	4,457
1931–1935	342,861		256,219	[12] 230,253	15,079	1,887	72,783	52,432	9,282	8,466	2,603
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158		1,114	297
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490		830	359
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568		709	656
1907	58,762	1,967	36,620	35,880	589	151	8,860	7,878		667	315
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191		618	220
1909	65,839	1,948	37,421	36,574	687	160	4,824	4,184		492	148
1910	64,629	970	35,930	35,168	639	123	4,720	4,239		370	120
1911	69,121		34,084	32,917	1,010	157	5,112	4,205		659	248
1912	70,976		37,731	36,231	1,342	158	5,896	5,020		633	243
1913	70,367		35,788	33,941	1,683	164	6,063	5,065		708	290
1914	70,404		41,850	39,945	1,715	190	7,874	6,817		719	338
1915	70,009		44,934	43,207	1,545	182	7,436	6,262		803	371
1916	71,033		45,927	43,970	1,759	198	8,087	6,791		864	432
1917	70,373		42,760	41,069	1,512	179	6,197	5,339		613	245
1918	59,800		39,941	38,509	1,207	165	4,912	4,061		654	197
1919	80,638		38,598	36,872	1,523	203	4,874	4,208		520	146
1920	86,893		39,882	37,164	2,485	233	11,294	10,282		760	252
1921	93,395		41,401	37,885	3,277	239	13,605	11,654		1,485	466
1922	89,028		40,297	38,414	1,627	256	14,992	12,793		1,612	587
1923	79,189		40,787	38,634	1,927	226	16,725	14,845		1,261	619
1924	80,888		45,500	42,594	2,671	235	17,562	15,749		1,278	535
1925	84,627		49,540	46,450	2,824	266	18,682	13,840	2,278	1,725	839
1926	86,116		47,627	44,750	2,602	275	21,819	14,964	4,282	1,686	887
1927	92,122		44,444	41,731	2,387	326	20,548	14,586	3,063	1,807	1,092
1928	92,725		45,399	42,376	3,188	335	19,084	14,142	2,049	1,921	972
1929	94,738		48,565	45,284	2,907	374	18,087	14,526	1,008	1,711	842
1930	94,203		48,322	45,243	2,712	367	17,191	13,251	1,665	1,611	664
1931	84,423		55,103	[13] 51,771	2,937	395	15,328	11,407	1,043	1,683	595
1932	71,864		56,856	[13] 53,519	2,944	393	13,196	9,613	1,687	1,443	453
1933	60,633		51,563	[13] 48,819	2,411	333	12,758	9,140	1,665	1,470	483
1934	61,572		47,753	[13] 44,461	2,921	371	16,063	11,375	2,407	1,786	495
1935	64,369		44,944	[13] 40,683	3,866	395	15,438	10,897	1,880	2,084	577
1936	69,585		44,820	[13] 39,842	4,556	422	14,804	10,732	1,886	1,740	446
1937	72,984		43,271	[13] 37,750	5,137	384	15,276	11,254	1,524	1,850	648
1938	75,429		43,493	[13] 38,117	5,027	349	13,564	10,212	1,051	1,762	539
1939	71,689		49,080	[13] 43,135	5,593	352	14,337	10,526	1,399	1,807	605

[1] Figures include patents for inventions, designs, and reissues of patents. Includes applications without fees.
[2] Caveat law repealed June 25, 1910.
[3] Data are for period from July 28, 1836, to Dec. 31, 1850, except as otherwise specified.
[4] Data are for 11 years beginning 1840; records prior to this date are not available.
[5] Data are for 8 years beginning 1843.
[6] Data are for 13 years beginning 1838.
[7] Data are for the year 1870.
[8] Data are for 7 years beginning 1874.
[9] Registration of labels suspended from May 27, 1891, to June 9, 1896.
[10] Data are for 3 years; first print registered Mar. 7, 1893.
[11] Data are for the year 1925.
[12] Figures include plant patents issued since the law passed May 23, 1930, as follows: 5 in 1931; 46 in 1932; 33 in 1933; 32 in 1934; 45 in 1935; 49 in 1936; 55 in 1937; 41 in 1938; 45 in 1939.

Source: Department of Commerce, United States Patent Office; records (not published elsewhere). Fiscal year figures published in Annual Report of the Secretary.

33. DISTRIBUTION, SERVICES, AND HOTELS

[Data in this section relate to continental United States]

No. 863.—Manufacturers' Sales—Distribution, by Primary Channels, by Industry Groups: 1929 and 1935

Note.—Figures do not cover sales or distribution expenses of manufacturers' own wholesale branches or retail stores, which are covered in data for wholesale trade and retail trade, respectively. Figures were not compiled for industries: (1) Where no outside sales were made, the plants being maintained for the purpose of making repairs, such as railroad repair shops; (2) where sales were made direct to users, the value of products in most instances comprising the sale of services, such as engraving and lithographing industries; (3) in which the plants were engaged, for the most part, in performing labor on materials owned by others so that their sales represented the sales of services rather than commodities, such as electroplating and galvanizing industries; and (4) where the plants of one organization so dominated that to show distribution of sales figures would disclose individual operations. The following table is limited to industries which are directly comparable in 1929 and 1935, while table 864 covers all industries for which 1935 data were compiled

[Amount of sales in thousands of dollars]

Industry group	Total distributed sales, 1935		1935 distributed sales of industries comparable with 1929		Percent of distributed sales made to—			
	Amount	Number of plants	Amount	Number of plants	Own wholesale branches		Industrial users	
					1929	1935	1929	1935
All industries	**38,175,470**	**184,285**	**26,328,269**	**91,688**	**18.0**	**20.6**	**26.0**	**24.6**
Food and kindred products	9,450,989	47,992	8,084,630	40,159	24.6	21.5	6.9	7.9
Textiles and their products	5,323,427	16,665	1,111,209	4,679	5.8	4.8	13.0	16.9
Forest products	1,528,578	15,661	1,436,220	15,309	4.5	5.9	38.8	32.0
Paper and allied products	1,291,557	2,919	1,291,557	2,919	3.8	5.8	51.8	54.9
Chemicals and allied products	2,583,174	7,269	1,028,492	3,353	12.2	20.2	33.5	30.9
Petroleum and coal products	1,831,104	676	1,665,073	415	60.1	64.3	8.5	10.0
Rubber	655,995	467	655,995	467	41.7	43.0	25.9	29.3
Leather and its manufactures	1,166,286	3,380	1,056,611	2,745	21.3	20.4	14.5	18.4
Stone, clay, and glass products	885,533	5,629	577,924	3,547	4.9	28.3	30.3	31.6
Iron and steel and their products	3,532,059	6,363	2,905,447	3,589	5.9	21.3	55.8	59.8
Nonferrous metals and their products	1,560,844	4,757	697,858	2,859	5.9	6.8	56.3	61.1
Machinery	3,243,366	10,692	1,175,801	3,216	17.8	20.1	41.9	44.5
Transportation equipment	2,913,924	1,133	2,876,030	1,012	17.0	19.4	24.3	21.8
Miscellaneous	2,208,634	10,682	1,765,422	7,419	5.9	4.4	9.0	6.6

Industry group	Percent of distributed sales made to—con.								Percent of distributed sales negotiated through agents, etc.	
	Wholesalers and jobbers		Own retail stores		Retailers		Household consumers			
	1929	1935	1929	1935	1929	1935	1929	1935	1929	1935
All industries	**31.8**	**27.3**	**2.4**	**2.2**	**20.0**	**22.9**	**1.8**	**2.4**	**7.4**	**8.3**
Food and kindred products	31.6	28.5	3.2	3.8	29.2	33.2	4.5	5.1	12.1	14.0
Textiles and their products	22.4	15.3	4.6	5.1	50.8	55.3	3.4	2.6	4.8	5.9
Forest products	30.2	27.1	1.2	1.3	24.5	29.6	.8	4.1	12.1	15.1
Paper and allied products	39.1	32.4	------	------	5.3	6.8	(1)	.1	8.0	5.5
Chemicals and allied products	39.1	31.0	.5	.3	12.7	15.3	2.0	2.3	16.1	14.6
Petroleum and coal products	18.6	19.6	7.6	4.4	5.2	1.6	(1)	.1	2.4	1.3
Rubber	16.1	15.9	.5	2.7	15.6	9.0	.2	.1	2.4	2.1
Leather and its manufactures	25.0	16.7	3.7	2.7	35.1	41.6	.4	.2	6.1	7.3
Stone, clay, and glass products	49.8	18.8	.1	.3	6.2	16.9	2.7	4.1	8.3	7.4
Iron and steel and their products	34.1	13.4	.3	.3	3.9	4.8	(1)	.4	6.5	5.4
Nonferrous metals and their products	27.8	20.6	.3	.2	8.2	10.4	1.5	.9	4.4	6.9
Machinery	29.0	24.6	4.4	2.9	6.7	7.4	.2	.5	6.9	8.5
Transportation equipment	27.5	26.3	1.9	.4	29.1	31.4	.2	.7	1.0	.9
Miscellaneous	67.0	72.6	.6	.6	14.8	13.9	2.7	1.9	2.7	2.6

[1] Less than one-tenth of 1 percent.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Distribution of Manufacturers' Sales.

No. 864.—Manufacturers' Sales—Primary Channels of Distribution and Distribution Expenses, by Industry Groups: 1935

[Sales and distribution expenses in millions and tenths of millions of dollars. See headnote, table 863]

	All industries	Food and kindred products	Textiles and products	Forest products	Paper and allied products	Printing and publishing	Chemicals and allied products	Products of petroleum and coal
SALES BY CHANNELS OF DISTRIBUTION								
Plants reporting	134,392	47,992	16,665	15,661	2,919	107	7,269	676
Total net sales	**43,801.2**	**10,489.5**	**5,879.1**	**1,694.1**	**1,521.7**	**41.0**	**2,863.2**	**2,148.2**
Total distributed sales	38,212.9	9,451.0	5,323.4	1,528.6	1,291.6	37.4	2,583.2	1,831.1
To own wholesale branches	7,499.5	2,014.2	384.8	101.6	74.9	-------	848.3	1,117.9
Percent of total sales	17.1	19.2	6.5	6.0	4.8	-------	29.7	51.9
To industrial and other large users	10,742.3	711.8	1,307.0	506.4	708.3	19.4	805.4	231.3
Percent of total sales	24.5	6.8	22.2	29.9	46.6	47.2	28.1	10.8
To wholesalers and jobbers	10,134.4	2,900.1	1,403.7	415.5	418.8	6.9	548.8	360.8
Percent of total sales	23.2	27.6	23.9	24.5	27.5	16.8	19.2	16.8
To own retail stores	629.1	312.3	70.1	18.0	-------	-------	17.6	72.8
Percent of total sales	1.5	3.0	1.2	1.1	-------	-------	.6	3.4
To retailers	8,412.1	3,048.7	2,092.8	427.7	88.0	7.1	308.5	40.6
Percent of total sales	19.2	29.1	35.7	25.2	5.8	17.3	10.8	1.9
To household consumers	795.5	464.0	65.0	59.4	1.5	4.1	54.5	7.9
Percent of total sales	1.8	4.4	1.1	3.5	.1	9.9	1.9	.4
Interplant transfers	4,350.8	776.0	335.9	96.2	210.8	1.0	204.3	204.0
Percent of total sales	9.9	7.4	5.7	5.7	13.9	2.5	7.1	9.5
Sales not allocated [1]	1,237.6	262.5	219.7	60.3	19.4	2.6	75.8	113.1
Percent of total sales	2.8	2.5	3.7	4.1	1.3	6.3	2.6	5.3
Percent of total sales made through—								
Own sales organizations	91.0	88.1	78.3	86.3	95.4	98.3	90.3	97.7
Agents, brokers, etc.	9.0	11.9	21.7	13.7	4.6	1.7	9.7	2.3
DISTRIBUTION EXPENSES								
Plants reporting	53,623	17,735	8,197	4,516	1,353	13	3,071	249
Net sales	21,417.6	6,313.2	2,853.3	871.3	768.2	7.4	1,137.3	277.2
Distribution expenses, total [2]	2,006.5	594.8	249.0	99.7	65.3	.7	172.4	20.5
Percent of sales	9.4	9.4	8.7	11.4	8.5	8.8	15.2	7.4
Distribution pay roll	883.0	261.2	127.6	47.8	30.7	.4	66.8	7.2
Percent of sales	4.1	4.1	4.5	5.5	4.0	6.0	5.9	2.6

	Rubber products	Leather and its manufactures	Stone, clay, and glass products	Iron, and steel and products	Nonferrous metals and products	Machinery	Transportation equipment [3]	Miscellaneous
SALES BY CHANNELS OF DISTRIBUTION								
Plants reporting	467	3,380	5,029	6,363	4,757	10,692	1,133	10,682
Total net sales	**695.9**	**1,281.1**	**950.5**	**4,260.4**	**1,627.1**	**3,931.3**	**4,142.0**	**2,275.9**
Total distributed sales	656.0	1,166.3	885.5	3,532.1	1,560.8	3,243.4	2,913.9	2,208.6
To own wholesale branches	282.0	230.8	252.5	681.4	152.7	651.7	558.1	148.4
Percent of total sales	40.6	18.0	26.5	16.0	9.4	16.6	13.5	6.5
To industrial and other large users	192.2	257.0	302.1	2,139.7	1,077.6	1,566.1	645.9	272.2
Percent of total sales	27.6	20.1	31.8	50.2	66.2	39.9	15.6	12.0
To wholesalers and jobbers	104.6	192.2	172.9	501.9	203.9	750.8	764.3	1,389.2
Percent of total sales	15.0	15.0	18.2	11.8	12.5	19.1	18.5	61.1
To own retail stores	17.4	29.5	1.6	8.8	3.9	52.2	12.5	13.3
Percent of total sales	2.5	2.3	.2	.2	.2	1.3	.3	.6
To retailers	59.0	454.2	128.1	186.1	110.1	201.5	913.1	346.7
Percent of total sales	8.5	35.4	13.5	4.4	6.8	5.1	22.0	15.2
To household consumers	.7	2.5	28.2	14.1	13.7	20.9	20.0	38.9
Percent of total sales	.1	.2	3.0	.3	.8	.5	.5	1.7
Interplant transfers	22.5	84.8	41.1	667.1	49.6	552.9	1,060.6	43.8
Percent of total sales	3.2	6.6	4.3	15.7	3.1	14.1	25.6	1.9
Sales not allocated [1]	17.4	30.0	23.9	61.2	16.6	135.0	167.5	23.4
Percent of total sales	2.5	2.4	2.5	1.4	1.0	3.4	4.0	1.0
Percent of total sales made through—								
Own sales organizations	98.0	93.5	93.8	95.3	95.6	93.0	99.4	97.5
Agents, brokers, etc.	2.0	6.5	6.2	4.7	4.4	7.0	.6	2.5
DISTRIBUTION EXPENSES								
Plants reporting	259	1,589	1,944	2,941	1,939	4,721	540	4,556
Net sales	517.7	598.3	373.4	1,606.8	640.1	2,256.6	1,993.3	1,203.5
Distribution expenses, total [2]	40.2	53.5	43.7	130.5	58.4	263.7	63.7	150.4
Percent of sales	7.8	8.9	11.7	8.1	9.1	11.7	3.2	12.5
Distribution pay roll	14.1	26.1	21.4	60.3	28.4	110.4	23.6	50.9
Percent of sales	2.7	4.4	5.7	3.8	4.4	4.9	1.2	4.7

[1] Or not distributed through usual channels. [2] Including pay roll. [3] Air, land, and water.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Distribution of Manufacturers' Sales.

No. 865.—Wholesale Trade—

Note.—Figures for 1929 and 1933 are

[Sales, expenses, pay roll, and

Division and State	Number of establishments			Net sales			Active proprietors and firm members, 1935	Employees (full time and part time), average for year [1]	
	1929	1933	1935	1929	1933	1935		1929	1933
United States	168,820	163,583	176,756	66,983,024	30,009,590	42,802,913	97,225	1,510,494	1,187,688
New England	9,756	8,592	9,580	4,005,910	1,867,712	2,528,497	5,166	106,152	74,454
Maine	986	860	970	175,853	98,462	127,840	504	7,214	5,057
New Hampshire	325	334	363	60,500	38,074	54,069	172	2,265	2,244
Vermont	308	300	344	57,393	41,751	53,567	140	1,898	2,153
Massachusetts	6,038	5,125	5,739	2,948,372	1,334,893	1,806,346	3,215	70,142	46,630
Rhode Island	734	577	683	275,357	128,808	180,597	369	7,516	5,352
Connecticut	1,365	1,396	1,481	488,435	225,724	306,078	766	17,117	12,118
Middle Atlantic	38,045	34,170	40,392	22,702,703	10,364,095	14,296,623	25,436	410,399	301,563
New York	25,202	21,825	26,915	17,143,753	7,856,469	10,846,966	16,626	274,699	199,067
New Jersey	2,334	2,682	3,025	935,521	492,270	708,645	1,570	26,578	24,196
Pennsylvania	10,509	9,663	10,452	4,623,429	2,015,356	2,741,012	7,240	109,122	78,300
East North Central	32,058	34,442	35,638	13,445,712	5,785,417	8,709,015	19,732	334,333	242,322
Ohio	8,035	8,286	9,086	2,925,525	1,367,382	2,028,552	5,323	79,075	64,450
Indiana	3,726	4,229	4,333	888,816	396,107	654,917	2,183	24,311	20,781
Illinois	11,556	11,898	12,009	6,675,726	2,715,156	3,937,609	6,611	158,043	94,828
Michigan	5,239	5,791	6,065	2,027,341	827,256	1,410,767	3,580	44,584	37,038
Wisconsin	3,502	4,238	4,145	928,304	479,516	677,170	2,035	28,820	24,625
West North Central	28,629	29,115	29,526	8,454,665	3,506,267	4,786,928	13,745	187,276	144,897
Minnesota	5,243	5,178	5,695	1,667,535	853,915	1,188,413	2,585	30,054	31,836
Iowa	4,946	5,250	5,003	1,043,316	451,730	627,795	2,619	26,748	22,142
Missouri	6,649	6,085	6,691	3,306,536	1,354,198	1,811,544	3,740	77,329	52,260
North Dakota	2,618	2,435	2,435	261,131	93,280	133,808	588	5,917	4,852
South Dakota	1,972	1,755	1,899	236,095	73,264	99,262	534	5,352	4,602
Nebraska	2,886	3,409	3,122	1,053,441	387,601	527,719	1,603	16,882	14,644
Kansas	4,315	5,003	4,621	886,611	292,279	398,387	2,070	18,994	14,561
South Atlantic	15,592	14,507	15,367	4,485,643	2,338,443	3,406,153	8,546	122,630	116,631
Delaware	286	259	262	118,087	59,182	106,300	148	2,118	1,700
Maryland	2,198	2,224	2,316	711,412	386,450	496,017	1,744	21,712	18,906
Dist. of Columbia	492	568	629	223,401	144,119	242,729	327	6,756	6,886
Virginia	2,331	2,370	2,123	621,130	325,155	502,951	1,065	20,139	20,560
West Virginia	1,127	1,178	1,251	341,433	185,532	231,076	617	10,047	8,260
North Carolina	2,403	2,356	2,458	695,118	393,370	555,396	1,460	15,745	17,856
South Carolina	1,539	1,242	1,422	333,528	172,062	267,122	809	6,113	5,591
Georgia	3,175	2,269	2,667	997,447	409,362	605,272	1,371	21,275	16,237
Florida	2,041	2,041	2,239	444,078	263,211	399,290	1,005	18,725	20,635
East South Central	7,719	6,808	7,594	2,496,685	975,830	1,609,657	4,329	58,388	50,188
Kentucky	2,024	2,001	2,057	500,389	255,260	379,597	1,240	17,725	15,820
Tennessee	2,246	1,960	2,626	1,044,945	374,365	745,609	1,536	20,981	17,769
Alabama	1,737	1,601	1,668	566,403	203,657	304,549	920	13,428	10,547
Mississippi	1,712	1,244	1,243	384,948	142,548	179,902	633	6,254	6,032
West South Central	17,526	15,053	15,056	4,739,143	1,919,042	2,696,574	7,618	99,104	84,155
Arkansas	2,045	1,292	1,504	366,510	117,729	180,309	747	7,797	6,842
Louisiana	1,726	2,094	2,131	830,965	449,211	580,260	938	17,037	19,375
Oklahoma	4,168	4,169	3,668	769,696	297,877	404,465	1,792	18,268	14,333
Texas	9,587	7,498	7,753	2,771,972	1,054,225	1,531,540	4,141	56,002	43,605
Mountain	5,777	5,868	6,413	1,173,657	543,240	847,030	2,323	32,398	29,516
Montana	1,243	1,239	1,254	158,227	73,790	121,641	225	4,133	3,764
Idaho	673	764	954	97,157	50,537	82,195	360	3,271	3,063
Wyoming	283	349	337	34,661	19,117	25,698	123	871	950
Colorado	2,075	1,814	1,884	539,626	232,374	324,382	830	13,869	11,917
New Mexico	315	447	397	53,143	27,730	45,579	141	1,257	1,453
Arizona	356	467	541	97,024	45,654	78,046	239	2,976	2,903
Utah	736	649	888	180,101	84,275	154,189	357	5,544	4,971
Nevada	96	139	158	13,718	9,763	15,300	48	477	495
Pacific	13,718	15,030	17,190	5,478,906	2,709,544	3,922,436	10,330	159,314	143,982
Washington	2,588	2,704	3,233	959,164	418,802	603,740	1,206	27,795	22,594
Oregon	1,437	1,326	1,615	465,196	196,445	343,443	674	14,055	10,798
California	9,693	11,000	12,342	4,054,546	2,094,297	2,975,253	8,450	117,464	110,590

[1] Figures for 1933 and 1935 are monthly averages, while those for 1929 are quarterly averages.
[2] Includes no compensation for proprietors and firm members of unincorporated businesses.
[3] Includes stocks not owned but held on consignment, valued at $124,872,000.

SUMMARY, BY STATES: 1929, 1933, AND 1935

adjusted to the scope of the 1935 census

stocks in thousands of dollars]

EMPLOYEES [1]—continued		Operating expenses, including pay roll, 1935	PAY ROLL [2]					Stocks on hand (end of year), 1935 [3]	DIVISION AND STATE
1935 [4]			1929	1933	1935, as reported [4]				
As reported	Adjusted				Total	Full-time	Part-time	1935 total, adjusted [4]	
1,260,553	1,277,717	4,163,480	2,962,774	1,659,487	2,022,262	1,976,337	45,925	2,049,483	3,106,609	U. S.
81,521	82,271	265,606	203,583	113,526	134,822	132,266	2,556	135,916	189,384	N. E.
6,271	6,430	17,225	11,202	7,675	8,427	8,215	212	8,655	13,208	Maine.
2,149	2,261	6,562	3,667	2,895	3,044	2,979	65	3,201	4,686	N. H.
2,158	2,313	7,295	2,899	2,750	2,952	2,895	57	3,165	4,727	Vt.
51,888	52,110	173,736	143,777	74,930	90,110	88,480	1,630	90,444	122,483	Mass.
6,328	6,330	21,307	14,534	7,717	9,936	9,738	198	9,953	14,352	R. I.
12,727	12,818	39,481	27,504	17,559	20,353	19,959	394	20,498	29,928	Conn.
351,555	352,660	1,364,970	952,754	508,070	662,736	653,720	9,016	664,547	974,215	M. A.
243,120	243,709	1,005,722	683,265	360,628	487,139	481,271	5,868	488,157	752,525	N. Y.
26,386	26,560	90,195	54,048	35,420	43,225	42,537	688	43,521	51,624	N. J.
82,049	82,391	269,053	214,841	112,022	132,372	129,912	2,460	132,869	170,066	Pa.
262,920	265,150	836,217	676,977	345,139	428,040	419,809	8,231	432,053	501,319	E. N. C.
68,394	68,709	211,260	151,481	89,620	109,535	107,237	2,298	110,030	134,047	Ohio.
23,263	23,677	64,391	42,531	25,754	32,469	31,781	688	33,211	41,874	Ind.
104,740	105,047	355,707	338,305	146,420	182,989	180,003	2,896	183,574	195,190	Ill.
41,587	42,504	132,112	94,052	51,049	65,653	64,182	1,471	67,347	75,086	Mich.
24,936	25,213	72,657	50,518	32,296	37,394	36,516	878	37,891	55,122	Wis.
144,219	146,021	431,591	322,642	183,877	208,758	204,193	4,565	211,697	373,649	W. N. C.
32,079	32,332	102,970	62,428	41,992	49,564	48,505	1,059	49,988	112,222	Minn.
19,753	20,043	51,254	40,839	25,324	25,515	24,693	822	26,004	30,163	Iowa.
56,576	56,936	179,001	144,167	71,797	87,798	86,477	1,321	88,394	144,979	Mo.
4,935	5,067	14,334	9,935	5,815	6,395	6,194	201	6,639	12,635	N. Dak.
4,478	4,608	12,267	8,614	5,322	5,469	5,291	178	5,699	9,682	S. Dak.
13,672	13,948	37,672	28,047	17,196	17,892	17,399	493	18,253	29,167	Nebr.
12,726	13,087	34,093	28,612	16,431	16,125	15,634	491	16,720	28,801	Kans.
117,143	120,167	328,668	197,200	129,857	154,894	149,881	5,013	159,625	278,968	S. A.
1,899	1,917	10,061	3,778	2,357	3,175	3,110	65	3,201	7,057	Del.
19,164	19,266	51,880	32,752	21,529	25,456	24,787	669	25,585	31,981	Md.
8,274	8,274	23,993	12,666	10,042	13,819	13,641	178	13,819	13,088	D. C.
18,846	19,180	49,621	20,575	21,075	23,751	22,813	938	24,216	58,935	Va.
8,835	8,969	26,956	19,216	11,328	13,161	12,855	306	13,356	20,343	W. Va.
16,080	17,676	43,795	25,679	17,782	20,456	19,212	1,244	21,687	61,499	N. C.
6,128	6,529	17,734	10,535	6,393	7,630	7,419	211	8,202	13,645	S. C.
18,444	19,345	58,005	36,728	20,431	25,601	25,016	585	26,995	43,285	Ga.
18,573	19,011	46,521	26,271	18,920	21,845	21,028	817	22,564	29,135	Fla.
51,445	53,513	136,436	94,377	54,773	65,345	62,976	2,369	68,569	130,068	E. S. C.
15,765	16,009	35,391	25,872	16,172	18,041	16,833	1,208	18,402	44,255	Ky.
19,929	20,461	57,258	34,434	19,893	27,226	26,517	709	27,945	50,555	Tenn.
10,675	11,293	29,750	23,551	12,481	14,201	13,999	202	15,212	22,832	Ala.
5,076	5,750	14,037	10,520	6,227	5,877	5,717	160	7,010	12,426	Miss.
80,237	84,557	251,415	167,831	100,777	107,293	104,690	2,603	113,638	267,675	W. S. C.
6,006	6,791	16,761	11,949	7,603	7,347	7,165	182	8,420	16,348	Ark.
17,372	17,925	55,493	29,252	23,315	23,873	23,332	541	24,557	75,265	La.
12,809	13,459	36,221	30,784	17,253	17,603	17,121	482	18,604	31,296	Okla.
44,050	46,382	142,940	95,846	52,606	58,470	57,072	1,398	62,057	144,766	Tex.
28,615	29,869	88,458	55,569	36,835	41,310	39,876	1,434	43,226	66,583	Mt.
4,040	4,070	11,988	6,979	4,852	5,904	5,724	180	5,947	13,172	Mont.
3,372	3,533	9,380	4,479	3,249	4,025	3,648	377	4,277	7,678	Idaho.
874	955	2,866	1,855	1,265	1,224	1,190	34	1,340	2,665	Wyo.
10,102	10,283	30,868	23,947	15,157	15,064	14,731	333	15,345	18,782	Colo.
1,433	1,691	4,585	2,313	1,933	2,065	2,029	36	2,415	5,355	N. Mex.
2,670	2,702	9,347	5,407	3,556	3,922	3,727	195	4,142	5,345	Ariz.
5,475	5,832	17,049	9,712	6,138	8,046	7,794	252	8,588	12,435	Utah.
649	713	2,375	877	735	1,060	1,033	27	1,172	1,151	Nev.
142,898	143,509	460,221	291,841	186,583	219,064	208,926	10,138	220,212	324,748	Pac.
22,725	22,860	68,769	50,972	29,166	34,690	33,645	1,045	34,933	55,603	Wash.
11,316	11,423	30,550	24,056	14,342	17,625	17,075	550	17,826	31,202	Oreg.
108,857	109,226	354,902	216,813	143,075	166,749	158,206	8,543	167,453	237,943	Calif.

[1] Employment and pay-roll data for commission bulk-tank stations are not included in the reported figures as it was impracticable to obtain these data; for comparison with earlier years, estimates for commission bulk-tank stations are included in adjusted figures as follows: Employees, 17,164; pay roll, $27,221,000.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Wholesale Distribution, Vol. I.

No. 866.—Wholesale Trade—Net Sales, 1929 to 1939; Number of Establishments and Net Sales, by Type of Operation, 1933 and 1935

[Net sales in millions of dollars]

YEAR	NET SALES [1]		TYPE OF ESTABLISHMENT	NUMBER OF ESTABLISHMENTS		NET SALES	
	Total wholesale trade	Full-service and limited-function wholesalers		1933 [2]	1935	1933 [2]	1935
1929	68,913	28,899	**Total**	163,583	176,756	30,010	42,802
1930	56,963	23,023					
1931	43,936	17,476	Full-service and limited-function wholesalers	82,820	88,931	12,891	17,662
1932	35,324	13,274					
1933	31,442	12,891	Manufacturers' sales branches with stocks	12,409	11,634	4,965	7,446
1934	36,950	14,710					
1935	44,667	17,662	Manufacturers' sales offices without stocks	4,415	4,196	2,329	3,620
1936	52,183	20,293					
1937	58,020	22,220	Bulk-tank stations (petroleum)	26,174	27,333	1,786	2,704
1938	[3]	19,023	Agents and brokers	13,806	18,147	6,283	8,908
1939	[3]	20,700	Assemblers	23,959	26,515	1,756	2,463

[1] Data for chain-store warehouses are included in totals in first column but are excluded from other figures in this table and from figures for wholesale trade appearing in other tables.
[2] Figures adjusted to scope of 1935 Census of wholesale trade; no data included for chain-store warehouses.
[3] No estimate made.

Source: For 1929, 1933, and 1935, Department of Commerce, Bureau of the Census; Census of Business, 1935, Wholesale Distribution, Vol. I. For other years, estimates by Department of Commerce, Bureau of Foreign and Domestic Commerce; mimeographed reports.

No. 867.—Wholesale Trade—Summary, by Type of Operation and Kind of Business: 1935

Note.—Pay roll includes no compensation for proprietors and firm members of unincorporated businesses. Stocks include stocks not owned but held on consignment valued at $124,872,000

TYPE OF OPERATION AND KIND OF BUSINESS	Number of establishments	Net sales (thousands of dollars)	Operating expenses, including pay roll (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year [1]	Total pay roll [1] (thousands of dollars)	Stocks on hand, end of year (thousands of dollars)
Total	176,756	42,802,913	4,163,480	97,225	1,260,553	2,022,262	3,106,609
Full-service and limited-function wholesalers	88,931	17,661,691	2,228,347	61,536	759,556	1,162,275	2,067,649
Wholesale merchants	78,277	14,446,316	1,904,174	54,685	674,098	1,008,833	1,662,289
Voluntary-group wholesalers	128	100,569	9,402	33	3,420	5,481	13,444
Converters	502	284,121	24,541	235	5,634	12,273	40,374
Exporters	513	571,490	51,598	340	7,309	12,831	75,328
Importers	2,241	1,068,234	98,475	1,313	21,834	46,401	147,738
Industrial distributors	1,633	444,877	72,939	309	24,724	41,578	94,811
Drop shippers or desk jobbers	1,031	365,926	23,545	497	4,901	12,252	3,511
Mail-order wholesalers	189	13,984	3,226	151	1,188	1,330	2,116
Retailer-cooperative warehouses	161	153,398	9,383	------	3,646	5,245	14,865
Wagon distributors	4,256	212,776	31,064	4,023	12,742	15,982	7,173
Manufacturers' sales branches (with stocks)	11,634	7,446,014	881,155	299	211,280	402,706	596,558
Manufacturers' sales offices (without stocks)	4,196	3,620,074	239,889	149	42,895	106,093	------
Bulk-tank stations (petroleum)	27,333	2,704,047	391,095	3,548	(1)	(1)	157,687
Independent stations	3,880	298,627	37,147	3,075	12,901	17,460	13,667
Chain-operated stations	17,017	2,002,546	284,859	471	78,258	129,461	122,718
Commission stations	6,436	402,874	69,089	------	(1)	(1)	21,302
Agents and brokers	18,147	8,908,078	256,749	14,950	68,285	129,866	89,565
Auction companies	609	382,857	10,692	630	6,585	6,094	2,716
Brokers	3,922	2,889,546	39,411	3,255	9,885	20,306	10,810
Commission merchants	3,135	2,662,491	67,364	2,818	18,298	34,104	30,486
Export agents	496	276,506	14,638	305	3,851	6,382	3,802
Import agents	335	212,573	10,357	207	1,272	3,134	5,478
Manufacturers' agents	7,548	768,619	44,092	6,557	14,300	23,995	12,902
Selling agents	1,712	1,439,710	63,412	885	11,759	31,228	23,179
Other agents	390	275,774	6,783	293	2,335	4,533	192

[1] Data not collected for commission bulk-tank stations.

No. 867.—WHOLESALE TRADE—SUMMARY, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1935—Continued

TYPE OF OPERATION AND KIND OF BUSINESS	Number of establishments	Net sales (thousands of dollars)	Operating expenses, incl. pay roll (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Total pay roll (thousands of dollars)	Stocks on hand, end of year (thousands of dollars)
Assemblers	26,515	2,463,011	166,245	16,695	87,378	74,401	195,150
Country buyers of farm products	10,813	646,147	32,981	10,635	21,028	14,795	88,633
Cream stations	3,619	29,854	1,479	2,239	2,232	1,033	222
Cooperative marketing associations	2,117	955,727	60,318		22,692	23,406	58,557
Elevators (grain)	8,462	600,363	30,147	2,751	16,164	15,160	41,756
Packers and shippers	1,504	230,920	41,320	1,070	25,262	20,007	5,982
FULL-SERVICE AND LIMITED-FUNCTION WHOLESALERS							
Amusement and sporting goods	1,068	117,045	21,308	641	7,076	12,092	14,223
Cameras and motion picture equipment and supplies	74	4,807	1,033	44	407	624	915
Moving picture films	191	38,268	6,063	43	1,023	3,447	1,420
Sporting goods (full line)	134	17,020	3,631	78	1,275	1,982	4,053
Toys, novelties, and fireworks	461	35,393	6,974	349	2,543	4,102	5,166
All other	208	21,467	3,607	127	1,228	1,937	2,669
Automotive	5,672	780,424	131,401	3,363	49,514	75,276	107,330
Automobiles and other motor vehicles	399	378,726	36,051	130	11,316	19,118	23,782
Automotive equipment	4,840	349,186	87,265	2,932	35,511	52,042	74,367
Tires and tubes	433	52,512	8,085	301	2,687	4,116	9,181
Beer, wines, and liquors	5,496	698,511	91,814	4,298	31,380	43,682	55,043
Beer and other fermented malt liquors	4,016	281,259	40,791	3,496	15,379	18,379	9,974
Wines and liquors	1,480	417,252	51,023	802	16,001	25,303	45,069
Chemicals and paints	1,426	275,301	46,008	627	10,741	20,530	32,559
Dyestuffs	57	15,816	4,100	18	675	1,694	1,697
Explosives	26	1,615	286	12	121	149	201
Industrial chemicals	204	80,310	9,922	40	2,349	5,350	8,452
Naval stores	36	33,148	1,683	3	470	840	2,817
Paints and varnishes	772	66,328	15,063	370	4,997	7,931	12,855
All other	331	78,084	14,894	184	2,129	4,557	6,447
Clothing and furnishings	3,960	648,881	88,577	3,177	25,383	46,350	73,495
Clothing and/or furnishings (full line)	574	65,505	9,407	523	3,057	4,976	8,948
Men's and boys'	1,001	117,443	16,124	874	4,743	8,270	17,137
Women's and children's	1,085	233,602	31,344	775	8,639	17,044	18,253
Furs, dressed and fur clothing	277	33,093	3,919	266	813	1,848	3,772
Hosiery	202	35,657	3,942	173	1,140	1,909	3,931
Millinery and millinery supplies	360	42,161	7,095	236	2,281	3,775	4,538
Shoes and other footwear	461	121,420	16,746	330	4,710	8,528	16,916
Coal and coke	773	368,695	34,955	292	8,847	18,464	26,052
Drugs (full line)	295	324,113	41,274	36	15,077	22,465	55,348
Drugs and drug sundries (specialty lines)	1,268	123,469	25,760	774	8,010	12,420	13,206
Drug specialties	342	29,554	4,844	229	1,964	2,701	3,908
Patent medicines	215	21,905	4,110	111	1,110	1,898	1,356
Toilet articles and preparations	426	40,671	11,140	256	3,465	5,536	3,822
All other	285	31,249	5,666	178	1,471	2,285	4,030
Dry goods (full line)	306	265,724	38,426	164	14,272	22,030	46,295
Dry goods (specialty lines)	3,301	719,676	82,226	2,477	23,652	43,398	118,548
Notions	915	96,778	17,876	712	6,082	10,387	16,740
Piece goods	1,873	593,867	59,691	1,304	14,908	30,393	96,491
All other	513	29,031	4,661	461	1,662	2,618	5,317
Electrical goods	2,438	576,542	99,460	1,051	30,088	52,495	75,424
Electrical merchandise (full line)	419	184,233	26,933	39	8,405	14,787	26,669
Apparatus and equipment	199	20,931	4,415	104	1,719	2,643	3,041
Wiring supplies and construction material	734	76,859	14,455	354	5,331	8,352	13,053
Radios, refrigerators, and appliances	1,086	294,519	53,657	554	14,633	26,713	32,661
Farm products—raw materials	2,199	1,562,487	105,198	1,557	21,693	34,200	235,379
Cotton	263	518,244	34,807	206	2,406	5,204	68,582
Grain	474	483,949	27,080	234	5,888	9,983	74,997
Hides, skins, and furs (raw)	874	189,342	15,282	696	3,668	7,004	24,266
Livestock, including horses and mules	35	3,613	477	41	142	203	401
Silk (raw)	16	67,393	2,059	9	223	879	9,229
Tobacco (leaf)	224	73,938	10,732	137	6,071	5,156	25,632
Wool and mohair	135	156,173	9,261	121	1,439	3,442	24,827
All other	178	69,835	5,500	113	1,856	2,329	7,545
Farm products—consumer goods	11,188	1,941,059	213,559	10,128	77,316	107,165	47,140
Dairy products	2,178	427,966	72,198	1,284	25,161	37,459	9,833
Poultry and poultry products	1,778	230,602	18,124	1,712	7,750	8,517	5,884
Dairy and poultry products	1,019	304,576	24,995	822	8,373	12,912	8,229
Fruits and vegetables (fresh)	6,164	972,532	97,704	6,265	35,813	47,973	22,895
All other	49	5,383	531	45	219	304	299

No. 867.—WHOLESALE TRADE—SUMMARY, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1935—Continued

TYPE OF OPERATION AND KIND OF BUSINESS	Number of establishments	Net sales (thousands of dollars)	Operating expenses, including pay roll (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Total pay roll (thousands of dollars)	Stocks on hand, end of year (thousands of dollars)
FULL-SERVICE AND LIMITED-FUNCTION WHOLESALERS—continued							
Farm supplies	1,433	281,731	35,100	892	12,739	16,566	33,213
Feed	951	149,087	14,001	633	5,524	6,768	11,244
Fertilizer	78	32,015	3,289	50	562	1,006	2,909
Seeds	354	90,759	16,848	186	6,290	8,348	18,289
All other	50	9,870	962	23	363	444	771
Furniture and house furnishings	1,959	243,457	43,345	1,335	13,978	23,106	50,742
China, glassware, and crockery	321	33,497	8,226	196	2,728	4,577	6,667
Floor coverings	366	89,021	12,321	202	3,551	6,144	22,559
Furniture (household and office)	375	38,164	7,626	249	2,542	4,074	5,917
House furnishings (except as specified)	784	69,327	11,151	643	3,875	6,051	11,746
Musical instruments and sheet music	113	13,448	4,021	45	1,282	2,260	3,863
General merchandise	209	361,647	28,076	122	9,266	13,942	34,062
Groceries (full line)	3,833	1,953,762	173,757	1,443	67,563	98,077	242,071
Groceries and foods (specialty lines)	12,156	1,692,961	209,791	10,434	79,646	108,429	132,811
Canned goods	291	77,222	10,556	222	2,608	4,280	9,724
Coffee, tea, and spices	964	220,488	36,020	591	11,631	18,547	25,493
Confectionery	2,070	111,867	13,447	1,986	6,598	7,602	9,198
Fish and sea foods	1,285	120,054	22,337	1,078	8,497	11,481	6,510
Flour	505	77,909	7,369	365	2,459	3,413	5,005
Meats and meat products	2,218	441,852	46,634	2,171	16,283	24,847	12,583
Soft drinks	429	20,815	3,936	333	1,636	2,150	1,486
Sugar	126	62,382	3,260	57	1,154	1,702	3,408
Other food and grocery specialties	4,268	550,372	66,223	3,631	28,780	34,407	59,314
Hardware	1,129	428,249	77,981	454	30,741	46,178	106,980
Hardware (full line)	610	387,020	69,255	137	27,387	41,214	97,427
Hardware (specialty lines)	519	41,229	8,726	317	3,354	4,964	9,553
Jewelry and optical goods	1,801	180,685	35,481	1,300	11,105	19,185	47,213
Jewelry (full line)	224	42,107	6,999	174	2,031	3,513	12,700
Clocks and watches	160	29,108	5,230	110	1,044	2,542	4,045
Diamonds and other precious stones	274	27,732	3,256	280	568	1,272	12,759
Other jewelry specialties	758	53,834	9,678	611	3,098	5,354	13,141
Optical goods	385	27,814	10,318	125	4,364	6,504	4,568
Lumber and construction materials	2,817	491,857	82,051	1,261	27,245	42,813	63,652
Builders' supplies (full line)	504	76,051	16,162	212	5,758	8,740	10,733
Lumber and millwork	1,597	339,092	48,013	701	15,170	24,356	41,410
Brick, tile, and terra cotta	119	8,732	1,882	48	577	943	1,414
Cement, lime, and plaster	130	18,956	3,424	54	1,220	1,757	1,532
Glass	262	21,638	6,684	154	2,707	4,080	5,300
Sand, gravel, and crushed stone	110	10,257	2,920	50	952	1,434	1,040
All other	95	17,131	2,966	32	861	1,503	2,223
Machinery, equipment and supplies	7,198	835,647	171,511	3,705	57,140	95,410	157,474
Commercial machinery, equipment, and supplies:							
Office (except furniture)	194	14,308	4,194	131	1,656	2,472	2,040
Store, restaurant, and hotel	673	44,860	11,757	464	4,443	6,738	7,567
All other	68	5,195	1,090	39	402	656	585
Farm and dairy machinery and equipment	336	45,250	8,153	181	2,818	4,327	9,047
Industrial equipment and supplies:							
Industrial (full line)	189	79,828	15,176	20	5,282	8,800	18,420
Belting, hose, and packing	168	12,281	3,092	66	959	1,779	1,976
Power transmission equipment	66	6,778	1,610	21	530	918	1,353
Rope, cordage, and twine	56	14,087	1,535	33	465	952	1,394
All other	1,028	102,508	21,282	552	7,248	12,240	17,379
Industrial machinery:							
Construction (including road building)	277	53,831	10,310	87	3,027	5,358	8,946
Machine tools	79	10,689	1,852	41	603	1,091	2,259
Mining and quarrying	87	11,184	2,098	37	717	1,210	2,586
Oil well and oil refining	759	152,273	16,799	157	4,650	8,163	27,168
Power plant	65	5,806	1,328	40	444	799	867
Textile	48	5,149	1,333	20	453	862	874
Used machinery and equipment	192	11,851	3,323	143	1,235	1,821	2,891
All other	354	24,292	6,379	205	2,143	3,728	4,816
Professional equipment and supplies:							
Dental	256	23,202	6,528	110	2,416	4,120	5,406
Surgical, medical, and hospital	203	26,033	7,410	78	2,313	4,286	4,481
All other	252	30,121	7,513	139	2,553	3,999	7,021

No. 867.—WHOLESALE TRADE—SUMMARY, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1935—Continued

TYPE OF OPERATION AND KIND OF BUSINESS	Number of establishments	Net sales (thousands of dollars)	Operating expenses, including pay roll (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Total pay roll (thousands of dollars)	Stocks on hand, end of year (thousands of dollars)
FULL-SERVICE, ETC., WHOLESALERS—CON.							
Machinery, equipment, and supplies—Con.							
Service equipment and supplies:							
Barber and beauty parlor	645	38,348	12,063	470	4,495	6,733	7,838
Laundry	138	21,768	4,802	35	1,276	2,581	2,688
Upholsterers'	200	25,636	5,887	101	1,746	3,033	6,764
All other	623	34,516	8,457	411	3,359	5,046	6,005
Transportation equipment and supplies:							
Aircraft and aeronautical	15	1,445	285	3	108	191	323
Railroad	33	16,588	3,601	7	601	1,535	1,522
Boats (including motor, sail, and steam)	71	5,447	1,094	47	372	611	1,245
All other	123	12,373	2,470	67	826	1,361	3,313
Metals and metal work (except scrap)	810	281,996	37,315	307	10,623	19,324	39,939
Iron and steel (except structural)	345	114,884	20,572	121	5,078	9,994	16,719
Structural iron and steel	93	18,965	3,877	22	1,541	2,342	3,358
Wire, wire fence, and wire rope	61	7,759	1,152	30	477	655	1,078
Copper	19	4,635	488	12	145	262	667
Sheet metal products	179	40,243	6,253	78	2,155	3,402	5,520
Other metals and metal work	113	95,510	4,973	44	1,227	2,669	12,597
Paper and its products	2,549	408,935	74,843	1,417	25,605	44,459	57,933
Wrapping or coarse paper and products	1,572	201,576	49,837	914	17,307	30,149	39,320
Fine or printing and writing paper	211	62,540	11,153	54	3,197	6,764	8,680
Stationery and stationery supplies	504	38,209	8,487	337	3,359	5,003	6,411
Wall paper	262	16,610	5,366	112	1,742	2,543	3,513
Petroleum and its products	674	132,399	17,137	389	4,437	8,089	6,485
Plumbing and heating equipment and supplies	1,743	243,173	48,202	636	16,919	26,851	50,812
Plumbing and heating (full line)	508	119,862	22,480	63	7,729	12,321	26,454
Heating (incl. stoves and ranges)	224	24,682	5,623	103	1,850	3,157	4,547
Plumbing fixtures, equipment and supplies	865	88,465	17,531	392	6,369	9,744	18,391
All other	146	10,164	2,568	78	971	1,629	1,420
Tobacco and its products (except leaf)	2,253	783,368	42,853	1,859	14,687	21,547	40,902
Waste materials	4,793	399,664	58,093	4,405	29,461	30,842	34,117
Iron and steel scrap	1,456	166,181	20,731	1,320	9,059	10,525	14,845
Junk and scrap (full line)	1,537	79,537	13,288	1,541	8,236	7,131	8,293
Waste paper, rags, and rubber	1,578	125,994	21,587	1,369	11,413	11,673	9,528
Nonferrous metals	222	27,952	2,487	175	753	1,153	1,451
All other products	4,184	550,233	72,850	3,052	26,352	39,250	68,711
Books, periodicals, and newspapers	636	108,550	20,454	338	9,060	12,005	8,445
Flowers and nursery stock	539	25,124	5,048	482	1,934	2,593	1,367
Forest products (except lumber)	550	80,373	8,497	437	2,873	4,492	8,355
Leather and leather goods	1,057	104,873	13,834	856	4,487	7,208	18,235
Oils and greases (animal and vegetable)	77	43,212	3,409	36	674	1,635	5,527
Rubber (crude)	27	62,436	2,761	5	333	1,077	12,255
Textiles and materials except dry goods	305	35,445	5,263	202	2,392	2,972	4,590
Yarns	175	41,552	3,800	115	1,183	1,999	4,100
Miscellaneous kinds of business	818	48,658	9,784	521	3,416	5,269	5,887
MANUFACTURERS' SALES BRANCHES (WITH STOCKS)							
Amusement and sporting goods	241	102,090	19,228	------	5,456	9,304	11,836
Automotive	896	1,261,865	90,159	6	23,611	45,242	68,563
Beer, wines, and liquors	377	265,812	37,390	6	5,284	11,533	19,759
Chemicals and paints	561	427,535	64,137	12	10,945	25,427	36,117
Clothing and furnishings	345	282,163	34,206	82	8,205	18,195	38,915
Coal and coke	10	8,331	1,470	------	359	694	261
Drugs and drug sundries	270	128,408	33,097	11	7,050	13,566	11,924
Dry goods	208	180,322	19,532	28	4,690	10,207	36,700
Electrical goods	428	349,819	31,085	6	7,832	17,676	21,800
Farm products—consumer goods	327	71,570	17,555	5	4,313	7,129	2,527
Farm supplies	74	31,785	4,831	2	917	1,830	2,679
Furniture and house furnishings	250	78,959	10,888	17	2,473	4,980	8,739
Groceries and foods (specialty lines)	3,102	2,252,166	202,190	32	51,576	87,205	82,245
Hardware	62	18,327	2,770	1	714	1,453	3,954
Jewelry and optical goods	249	91,458	10,921	10	3,102	5,366	11,405
Lumber and construction materials	261	112,792	18,684	8	5,510	10,253	13,485
Machinery, equipment, and supplies	2,642	693,362	145,642	28	43,085	83,199	112,269
Metals and metal work (except scrap)	271	243,350	23,986	5	7,041	12,685	42,027
Paper and its products	206	150,420	18,490	6	4,433	9,108	14,354
Petroleum and its products	56	18,175	3,801	------	814	1,910	1,981
Plumbing and heating equipment and supplies	367	102,251	21,310	8	6,313	9,701	17,885
Tobacco and its products (except leaf)	65	407,526	50,103	7	8,380	7,007	12,261
All other products	366	167,468	18,090	19	4,177	8,916	24,872

No. 867.—WHOLESALE TRADE—SUMMARY, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1935—Continued

TYPE OF OPERATION AND KIND OF BUSINESS	Number of establishments	Net sales (thousands of dollars)	Operating expenses, including pay roll (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Total pay roll (thousands of dollars)	Stocks on hand, end of year (thousands of dollars)
MANUFACTURERS' SALES OFFICES (WITHOUT STOCKS)							
Amusement and sporting goods	140	119,173	19,265	1	5,552	10,311	----
Automotive	36	53,549	3,575	----	688	1,687	----
Beer, wines, and liquors	37	81,280	9,248	----	928	2,470	----
Chemicals and paints	209	190,157	18,822	1	2,484	7,104	----
Clothing and furnishings	208	101,042	7,572	52	1,286	3,823	----
Coal and coke	6	11,526	348	----	48	136	----
Drugs and drug sundries (specialty lines)	31	9,940	2,135	8	518	1,024	----
Dry goods (specialty lines)	133	225,476	8,182	9	1,685	4,491	----
Electrical goods	263	137,180	8,367	1	1,655	4,377	----
Farm products—consumer goods	5	3,350	696	----	57	109	----
Farm supplies	33	17,043	2,293	1	343	673	----
Furniture and house furnishings	114	56,079	4,547	17	598	1,643	----
Groceries and foods (specialty lines)	206	253,777	34,223	6	3,243	7,010	----
Hardware	31	10,072	926	1	216	541	----
Jewelry and optical goods	41	6,515	644	7	146	402	----
Lumber and construction materials	277	169,299	18,868	6	4,421	9,994	----
Machinery, equipment, and supplies	1,146	492,453	31,111	19	6,714	17,847	----
Metals and metal work (except scrap)	476	1,021,883	29,371	4	5,502	15,703	----
Paper and its products	181	136,843	7,988	3	1,069	3,282	----
Petroleum and its products	25	46,880	7,017	1	955	2,350	----
Plumbing and heating equipment and supplies	178	22,954	3,130	3	666	1,497	----
Tobacco and its products (except leaf)	128	316,336	7,993	1	1,356	2,781	----
All other products	292	137,267	13,568	8	2,765	6,778	----
BULK-TANK STATIONS							
Petroleum and its products	27,333	2,704,047	391,005	3,546	(1)	(1)	157,687
AGENTS AND BROKERS							
Amusement and sporting goods	245	23,931	3,277	216	807	1,542	333
Automotive	448	66,881	4,038	397	995	1,691	2,423
Beer, wines, and liquors	73	21,473	916	49	230	482	334
Chemicals and paints	420	98,427	9,857	290	1,083	2,540	1,557
Clothing and furnishings	1,203	417,123	13,033	1,133	3,734	7,807	786
Coal and coke	440	427,346	25,300	82	3,874	10,087	12,443
Drugs and drug sundries (specialty lines)	140	26,804	1,854	123	643	1,078	194
Dry goods (full line)	14	23,061	289	11	78	174	5
Dry goods (specialty lines)	938	1,015,100	28,403	814	5,851	15,817	12,528
Electrical goods	638	45,863	3,367	534	1,221	1,832	1,762
Farm products—raw materials	3,010	2,710,088	44,692	2,976	16,987	22,004	20,151
Farm products—consumer goods	1,484	766,282	28,907	1,182	8,123	14,989	5,109
Farm supplies	287	87,342	2,218	249	529	975	342
Furniture and house furnishings	428	75,283	4,026	362	1,181	2,352	1,485
General merchandise	69	68,475	2,430	57	658	1,477	245
Groceries (full line)	21	11,565	262	17	79	135	120
Groceries and foods (specialty lines)	2,219	1,796,819	26,516	1,743	7,044	14,602	11,233
Hardware	288	32,508	2,099	254	648	1,103	428
Jewelry and optical goods	124	6,682	429	119	117	216	298
Lumber and construction materials	794	139,147	8,632	553	2,228	4,315	1,062
Machinery, equipment and supplies	2,496	210,757	20,400	1,922	5,529	11,202	5,237
Metals and metal work (except scrap)	377	173,229	5,178	282	1,068	2,844	1,324
Paper and its products	250	38,989	2,014	233	542	1,084	162
Petroleum and its products	109	72,733	1,729	63	327	867	144
Plumbing and heating equipment and supplies	427	25,700	2,680	313	888	1,462	636
Tobacco and its products (except leaf)	9	1,529	49	10	12	26	1
Waste materials	112	40,369	1,930	59	310	901	558
All other products	1,084	484,590	12,224	907	3,499	6,202	8,665
ASSEMBLERS							
Farm products—raw materials	14,293	1,493,387	66,320	7,802	30,085	28,507	175,717
Farm products—consumer goods	10,814	865,968	87,730	7,094	48,553	39,999	13,065
Farm supplies	511	29,250	2,422	376	1,322	1,170	1,574
Groceries and foods (specialty lines)	592	69,541	8,946	524	6,869	4,270	4,373
All other products	305	4,865	827	299	549	455	421

[1] Data not collected for commission bulk-tank stations; for data for other bulk-tank stations, see p. 870.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Wholesale Distribution, Vol. II.

No. 868.—Wholesale Trade—Summary for 25 Cities: 1935

NOTE.—**Sales, expenses, pay roll, and stocks in thousands of dollars.** The wholesale-trade centers covered in the following table were selected on the basis of their volume of wholesale trade in 1933

CITY	Number of establishments	NET SALES		Operating expenses (including pay roll)	Active proprietors and firm members	Employees (full-time and part-time), average for the year [1]	PAY ROLL [1 2]			Stocks on hand (end of year)
		Amount	Percent gain over 1933				Total	Full-time	Part-time	
Atlanta, Ga	809	328,474	66.7	35,591	315	9,473	15,701	15,535	166	22,077
Baltimore, Md	1,622	424,478	27.7	44,298	1,176	15,072	22,006	21,661	345	27,825
Boston, Mass	3,330	1,333,016	36.1	114,518	1,862	32,334	60,753	59,916	837	87,426
Buffalo, N. Y	892	350,096	42.3	29,275	428	9,080	15,347	15,126	221	10,172
Chicago, Ill	6,462	3,269,729	46.7	297,664	3,435	83,349	154,706	152,710	1,996	159,244
Cincinnati, Ohio	1,383	477,139	53.3	44,147	860	13,090	22,505	22,174	331	24,596
Cleveland, Ohio	2,123	681,242	38.0	73,834	1,030	21,502	39,341	38,738	603	38,073
Dallas, Tex	903	409,668	34.4	38,298	470	9,802	16,184	16,002	182	40,637
Denver, Colo	835	261,593	47.7	24,064	425	7,431	11,907	11,731	176	13,047
Detroit, Mich	2,333	950,734	66.1	76,744	1,332	22,727	39,953	39,289	664	39,591
Houston, Tex	576	331,180	73.0	33,868	250	7,259	11,823	11,626	197	36,938
Indianapolis, Ind	735	306,302	86.1	25,323	389	8,232	13,030	12,850	180	15,493
Kansas City, Mo	1,459	649,885	34.4	53,230	882	15,983	26,488	26,085	403	49,766
Los Angeles, Calif	3,975	939,461	48.9	111,081	2,861	34,820	55,622	54,140	1,482	84,733
Milwaukee, Wis	1,251	344,732	32.4	37,469	548	12,646	20,569	20,226	343	25,582
Mpls. and St. Paul, Minn. (combined)	1,655	788,585	35.3	73,958	870	21,195	35,330	34,753	577	89,958
Newark, N. J	799	269,815	49.2	30,765	356	9,110	15,818	15,638	180	17,005
New Orleans, La	934	414,188	30.5	38,825	496	11,307	16,609	16,271	338	61,911
New York, N. Y	21,418	9,617,910	38.0	861,920	13,749	199,318	416,328	411,913	4,415	656,888
Omaha, Nebr	603	355,319	36.8	23,036	340	7,101	10,961	10,772	189	15,452
Philadelphia, Pa	3,961	1,325,154	34.4	132,040	2,733	37,347	65,126	63,928	1,198	82,864
Pittsburgh, Pa	1,486	692,155	37.9	53,806	904	15,989	28,116	27,733	383	31,229
St. Louis, Mo	2,102	882,323	33.1	99,967	1,055	29,910	49,372	48,779	593	77,400
San Francisco, Calif	2,942	1,149,864	39.3	124,473	2,307	29,363	53,357	52,382	975	94,138
Seattle, Wash	1,276	329,668	49.1	36,523	540	10,969	18,381	18,002	379	29,460

[1] Data for commission bulk-tank stations are not included. [2] See note 2, table 865.

Source: Dept. of Commerce, Bur. of Census; Census of Business, 1935, Whsl. Distr., Vols. I and II.

No. 869.—Wholesale Trade—Percentage Changes in Sales: 1935 to 1937

NOTE.—The 1937-38 Census Survey of Wholesale Distribution covered a total of 18,417 establishments, comprising 12,840 service and limited-function wholesalers in 22 of the 29 kind-of-business groups recognized by the census classification of wholesale establishments; 5,476 manufacturers' sales branches; and 101 fruit and vegetable commission merchants. On the basis of the returns for the 1935 Census of Business, these establishments constituted a sample of 19 percent in number and 33 percent in sales for the service and limited-function wholesalers in the 22 kind-of-business groups, and a sample of 53 percent in number and 67 percent in sales for the manufacturers' sales branches. The sales of the 12,840 service and limited-function wholesalers in 1937 amounted to $5,759,482,000, and those of the 5,476 manufacturers' sales branches in that year reached a total of $5,986,268,000. (No figures for the fruit and vegetable commission merchants are given in this table)

KIND-OF-BUSINESS GROUP	SERVICE AND LIMITED FUNCTION WHOLESALERS			MANUFACTURERS' SALES BRANCHES		
	Number of establishments 1937	Percent increase in sales		Number of branches 1937	Percent increase in sales	
		1935 to 1937	1936 to 1937		1935 to 1937	1936 to 1937
Total	**12,840**	**31.1**	**10.8**	**5,476**	**32.0**	**11.8**
Automotive	924	44.9	10.8	509	43.5	14.8
Beer, wines, and liquors	684	57.0	14.2	113	29.8	7.1
Chemicals and paints	292	29.6	10.0	317	35.9	10.4
Clothing and furnishings	627	19.3	1.8	110	18.1	5.3
Drugs and drug sundries [1]	308	24.7	10.6	54	22.1	9.5
Dry goods [2]	730	16.7	3.9	60	4.5	[3]—2.6
Electrical goods	596	66.3	24.1	215	80.9	26.8
Fruits and vegetables, fresh	904	23.7	5.2			
Farm supplies	254	30.3	16.8	31	14.4	15.0
Furniture and house furnishings	400	37.4	8.8	166	28.7	8.1
General merchandise	72	20.5	6.8			
Groceries, full-line	1,069	17.1	6.7			
Groceries, specialty-line	1,886	20.3	10.2	1,755	15.0	6.4
Hardware	271	29.4	10.5	31	47.5	17.0
Jewelry and optical goods	372	44.4	11.4	170	47.8	16.5
Lumber and construction materials	598	49.3	14.2	97	60.7	11.9
Machinery, equipment, and supplies	1,552	48.6	19.4	1,519	50.5	19.1
Paper and its products	536	27.7	12.4	58	27.8	11.7
Plumbing and heating equipment and supplies	486	57.3	14.3	243	69.1	20.1
Tobacco and its products, except leaf	309	20.8	9.0	28	9.5	3.1

[1] Represents combination of "Drugs (full line)" and "Drugs and drug sundries (specialty lines)."
[2] Represents combination of "Dry goods (full line)" and "Dry goods (specialty lines)." [3] Decrease.

Source: Dept. of Commerce, Bur. of the Census; Census Survey of Business, 1937-38, Wholesale Distribution.

No. 870.—Retail Trade—Percentage Changes in Sales, for Total Stores, Independents, and Chains, by Kind-of-Business Groups: 1935 to 1937 and First Half of 1937 to First Half of 1938

Note.—The 1937-38 Census Survey of Retail Business covered 102,853 identical stores in 42 kinds of business—80,664 independents and 22,189 chain units. These stores constituted a sample of 6 percent in number and 17 percent in sales (of stores reporting $5,000 or more in annual sales volume), based on the returns of the 1935 Census of Business. Their sales amounted to $5,547,985,000 in 1935, and reached a total of $6,692,669,000 in 1937. The sales sample for independents was 13 percent and for chain units was 28 percent of the total sales of these respective types of operation in 1935

Kind-of-business group	Percent of increase or decrease (—) in sales					
	1935 to 1937			First half 1937 to first half 1938		
	Total	Independents	Chain units	Total	Independents	Chain units
Total	20.6	22.8	17.1	−13.0	−15.2	−9.0
Food stores	13.7	14.1	13.3	−4.9	−6.4	−3.1
General stores, with food	13.9			−11.2		
General-merchandise group	17.4	17.1	17.6	−10.3	−10.9	−9.8
Apparel group	17.3	17.0	17.8	−12.5	−11.8	−13.8
Automotive group	33.0	34.4	24.9	−30.4	−33.1	−11.0
Furniture and household group	35.8	36.1	31.8	−23.4	−22.9	−28.8
Lumber, building, and hardware group	37.7	38.2	34.6	−15.2	−16.1	−9.6
Eating and drinking places	26.9	28.1	17.4	−7.3	−7.1	−8.5
Drug stores	14.4	19.2	8.2	−5.5	−3.8	−7.8
Other retail stores	23.1	22.5	26.3	−14.7	−13.7	−19.4

Source: Dept. of Commerce, Bur. of the Census; Census Survey of Business, 1937-38, Retail Survey.

No. 871.—Retail Trade—Net Sales, by Kind of Business Groups: 1932 to 1939

Kind-of-business group	Net sales (millions of dollars)								Percent increase, 1939 from 1938
	1932	1933	1934	1935	1936	1937	1938	1939	
Total	25,597	25,037	29,188	33,161	37,940	39,930	35,425	37,950	7.0
Food group [1]	7,261 *7,606*	6,776 *7,086*	7,580 *7,754*	8,362	8,981	9,340	8,920	9,095	2.0
Beer and liquor stores		17	260	328	394	408	394	418	6.0
Eating and drinking places	1,636	1,430	1,932	2,391	2,702	2,878	2,676	2,770	3.5
General-merchandise group:									
Farmers' supply and country general stores [1]	1,218 *975*	1,561 *1,251*	1,665 *1,511*	1,710	1,898	1,993	1,784	1,820	2.0
Department, dry-goods, and general-merchandise stores	3,208	2,993	3,280	3,453	3,874	4,107	3,783	4,030	6.5
Mail order, catalog only	201	220	300	386	460	490	463	519	12.0
Variety stores	660	678	754	781	851	885	858	905	5.5
Apparel group	2,331	1,923	2,372	2,656	3,028	3,195	2,923	3,085	5.5
Automotive group	2,178	2,887	3,559	4,606	5,711	5,910	3,900	4,990	28.0
Filling stations	1,065	1,532	1,750	1,968	2,263	2,478	2,404	2,428	1.0
Furniture and household group	895	959	1,092	1,290	1,613	1,718	1,425	1,603	12.5
Lumber, building, and hardware group	1,389	1,343	1,550	1,864	2,375	2,565	2,270	2,497	10.0
Drug stores	1,182	1,066	1,156	1,233	1,344	1,411	1,376	1,410	2.5
Jewelry stores	188	175	203	235	282	312	279	307	10.0
Other stores	1,585	1,477	1,735	1,898	2,164	2,240	1,970	2,073	5.0

[1] The 1935 figures for the food group include data for some stores classified as country general stores in prior censuses. Figures in italics are estimates by the Bureau of Foreign and Domestic Commerce, adjusted for these shifts in classification, for comparison with later years.

Source: 1933 and 1935, Dept. of Commerce, Bur. of the Census; Census of Business, 1935, Retail Distribution, Vol. I. Other years, estimates by Dept. of Commerce, Bur. of Foreign and Domestic Commerce, based on trends shown by currently published statistics; published in the Survey of Current Business, Feb. 1940, also in mimeographed reports.

No. 872.—Retail Trade—Number of Stores and Net Sales, by Business Groups and Kind of Business: 1929, 1933, and 1935

Kind of Business	Number of Stores			Net Sales (Thousands of Dollars)		
	1929	1933	1935	1929	1933	1935
United States total	1,543,158	1,526,119	1,653,961	49,114,653	25,037,225	33,161,276
Food stores [1]	481,891	470,149	532,010	10,837,421	6,776,280	8,362,425
Candy and confectionery stores	63,205	54,243	55,197	571,549	271,213	314,467
Dairy-products stores (including egg, poultry, and milk dealers)	11,736	18,092	22,127	797,819	498,536	628,755
Grocery stores (without meats)	191,876	163,538	188,738	3,449,129	1,803,242	2,202,607
Combination stores (groceries and meats)	115,549	140,372	166,233	3,903,662	3,201,042	4,149,813
Meat and fish markets	49,865	38,344	39,474	1,336,958	491,866	612,451
Other food stores	49,660	55,560	60,241	778,304	510,381	454,332
General stores (with food) [1]	104,086	85,839	66,701	2,570,744	1,097,437	1,110,408
General merchandise group	54,636	[2] 49,703	44,651	6,444,101	[2] 3,884,570	4,619,751
Dry goods and general merchandise stores	38,305	34,122	28,709	1,189,856	668,145	527,802
Department stores [3]	4,221	[2] 3,535	4,201	4,350,098	[2] 2,538,268	3,311,070
Variety, 5-and-10, and to-a-dollar stores	12,110	12,046	11,741	904,147	678,157	780,819
Apparel group	114,296	[2] 86,557	95,968	4,240,893	[2] 1,930,035	2,656,242
Men's clothing and furnishings stores (including boys')	28,197	19,491	20,914	1,192,723	489,104	659,617
Family clothing stores	10,551	5,765	7,881	552,353	185,371	358,849
Women's ready-to-wear stores	18,253	[2] 17,708	21,975	1,087,601	[2] 575,094	794,992
Accessories and other apparel stores	33,036	24,697	26,231	601,387	255,874	331,385
Shoe stores	24,259	18,836	18,967	806,829	424,592	511,399
Automotive group	136,172	134,999	116,702	7,828,387	2,887,525	4,606,650
Motor vehicle dealers (new and used)	45,301	30,646	35,045	6,407,512	2,127,720	3,847,642
Accessories, tire, and battery dealers	22,313	16,027	14,343	599,295	225,970	373,910
Garages [4]	66,793	86,454	66,243	785,001	519,827	370,064
Other automotive [5]	1,765	1,872	1,071	36,579	14,008	15,034
Filling stations [6]	121,513	170,404	197,568	1,787,423	1,531,724	1,967,714
Furniture—household group	58,941	42,976	45,215	2,754,721	958,780	1,289,896
Furniture stores	25,153	17,418	17,043	1,569,815	553,503	694,578
Household appliance and radio stores	8,931	[2] 9,761	14,100	379,704	[2] 198,662	381,171
Radio dealers	16,037	[2] 8,161	4,296	561,772	[2] 113,899	57,152
Other home furnishings	8,820	7,636	9,776	303,430	92,716	156,995
Lumber, building, and hardware group	90,386	76,098	73,186	3,845,624	1,342,705	1,864,275
Lumber and building-material dealers	26,377	21,015	21,149	1,981,284	603,416	866,865
Hardware and farm implement dealers	37,572	32,802	36,633	1,224,560	488,486	758,979
Heating and plumbing equipment dealers [7]	12,709	11,307	5,025	334,277	123,128	89,477
Paint, glass, and electrical stores [8]	13,728	10,974	10,379	305,503	127,675	148,954
Eating and drinking places	134,293	200,335	251,473	2,124,890	1,429,938	2,390,860
Eating places	134,293	170,434	153,468	2,124,890	1,324,387	1,666,899
Drinking places	----------	29,901	98,005	----------	105,551	723,961
Drug stores	58,258	58,407	56,697	1,690,399	1,066,252	1,232,598
Other retail stores	277,707	215,622	217,941	7,412,726	3,124,141	4,057,530
Cigar stores and stands	33,248	20,175	15,350	410,064	189,756	182,950
Fuel and ice dealers [5]	19,118	23,875	35,293	1,013,369	623,077	859,018
Jewelry stores	19,998	14,313	12,447	536,281	175,066	234,893
News dealers	10,285	6,629	7,071	149,866	58,071	61,655
Beer and liquor stores (packaged)	----------	3,767	12,105	----------	16,730	328,307
Other classifications	90,972	61,024	68,974	2,732,402	964,004	1,280,304
Second-hand stores	15,065	20,869	22,550	148,068	105,275	113,340

[1] See note 1, table 871, regarding shifts in classifications between the food group and "General stores."
[2] Revised.
[3] Includes general merchandise mail-order houses.
[4] This classification includes in 1929, 3,379 body, fender, and paint shops with receipts of $46,106,000 and 2,059 parking stations, parking garages, and lots with receipts of $39,202,000, which are included under "Service establishments" in 1933 and 1935.
[5] Bicycle shops, included in this classification in 1929 and 1933, are included with "Other retail stores" in 1935.
[6] Fuel-oil retailers, included in "Filling stations" in 1933 are included in "Fuel and ice dealers" under "Other retail stores" in 1935.
[7] Figures for 1935 are not comparable with data for earlier years. Some heating, plumbing, and air-conditioning contractors, included in 1933, were transferred to the Construction Census in 1935.
[8] The 1935 figures are not comparable with those for earlier years. A number of electrical contractors, included in this classification in 1933, were transferred to the Construction Census in 1935 and those electrical shops whose income from repairs was greater than the sale of merchandise were included under Service Establishments in 1935.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Retail Distribution, Vol. I.

No. 873.—Retail Trade—Summary, by Business Groups and Kind of Business: 1935

KIND OF BUSINESS	Number of stores	Net sales (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	PAY ROLL[1] (THOUSAND OF DOLLARS)		Operating expenses, incl. pay roll (thousands of dollars)
					Total	Part-time	
United States total	**1,653,961**	**33,161,276**	**1,511,734**	**3,961,478**	**3,623,289**	**235,123**	**7,591,912**
Food stores	**532,010**	**8,362,425**	**489,988**	**745,103**	**663,418**	**46,723**	**1,385,052**
Candy and confectionery stores	55,197	314,467	53,973	37,191	23,126	2,860	76,059
Dairy products stores and milk dealers	16,380	576,351	13,084	79,964	114,994	1,921	189,375
Egg and poultry dealers	5,747	52,404	5,799	4,662	2,951	459	7,569
Delicatessen stores	6,554	88,708	6,452	7,141	5,677	502	16,271
Fruit stores and vegetable markets	32,632	215,965	33,246	23,217	16,770	1,854	39,194
Grocery stores (without meats)	188,738	2,202,607	170,415	156,031	125,802	10,974	281,962
Combination stores (groceries and meats)	166,233	4,149,813	148,321	359,716	304,006	22,920	617,799
Meat markets	32,555	565,040	31,978	45,258	44,551	3,227	97,042
Fish markets—sea food	6,919	46,811	7,170	6,220	4,481	558	10,883
Bakeries and caterers	14,150	99,908	12,335	16,604	12,836	983	31,840
Other food stores	6,905	49,751	6,593	9,099	8,224	459	17,058
General stores (with food)	**66,701**	**1,110,403**	**66,783**	**82,841**	**60,735**	**4,186**	**121,490**
General merchandise group	**44,651**	**4,619,751**	**32,160**	**729,195**	**608,817**	**42,777**	**1,283,517**
Dry goods and general merchandise stores	28,709	527,862	25,558	65,730	48,612	4,030	109,331
Department stores	4,201	3,311,070	756	492,090	468,910	25,040	966,104
Variety, 5-and-10, and to-a-dollar stores	11,741	780,819	5,846	171,375	91,295	13,107	208,082
Apparel group	**95,968**	**2,656,242**	**73,414**	**327,629**	**338,300**	**24,586**	**775,860**
Men's furnishings stores	7,716	143,668	6,010	12,704	15,110	1,045	39,806
Men's clothing and furnishings stores	13,198	515,949	11,173	45,579	59,705	2,902	136,768
Family clothing stores	7,881	358,840	6,060	46,777	47,205	2,206	103,173
Women's ready-to-wear stores	21,975	794,992	17,068	107,469	103,047	6,573	228,873
Furriers and fur shops	1,535	59,897	1,067	6,765	10,461	725	23,236
Millinery stores	9,568	94,451	6,773	18,651	14,865	2,059	38,488
Custom tailors	6,559	67,120	6,364	14,820	17,316	2,911	31,110
Accessories—other apparel stores	8,569	109,917	7,231	17,733	13,968	1,300	31,522
Shoe stores	18,967	511,399	11,668	57,131	56,623	4,775	142,884
Automotive group	**116,702**	**4,606,650**	**113,220**	**378,000**	**436,993**	**12,641**	**820,791**
Motor vehicle dealers (new)	30,294	3,725,438	25,484	257,154	314,274	5,004	574,832
Used-car dealers	4,751	122,204	4,735	9,868	10,769	644	22,405
Accessories, tire and battery dealers	14,343	373,910	10,384	45,751	54,557	1,786	107,978
Garages	66,243	370,064	71,626	63,220	55,122	5,015	111,274
Other automotive	1,071	15,034	991	2,007	2,271	132	4,302
Filling stations	**197,568**	**1,967,714**	**179,870**	**203,753**	**177,128**	**11,400**	**356,727**
Furniture-household group	**45,215**	**1,289,896**	**35,864**	**173,931**	**211,188**	**10,537**	**422,430**
Furniture stores	17,043	694,578	14,855	77,905	102,065	3,092	221,867
Floor coverings-drapery stores	2,611	61,246	2,334	8,943	9,752	516	19,862
Household appliance and radio stores	14,100	381,171	7,810	65,836	75,156	5,428	133,070
Radio dealers	4,296	57,152	4,225	6,135	7,513	442	16,442
Other home furnishings stores	7,165	95,749	6,640	15,112	16,702	1,059	31,189
Lumber-building-hardware group	**73,186**	**1,864,275**	**60,157**	**193,672**	**221,113**	**15,211**	**422,441**
Lumber and building material dealers	21,149	866,805	10,819	90,858	108,801	6,866	202,074
Hardware stores	26,996	467,217	26,472	45,658	48,558	2,797	100,955
Hardware and farm implement dealers	9,637	291,762	9,821	22,058	22,381	1,608	45,419
Heating and plumbing equipment dealers	5,025	89,477	4,315	16,802	20,065	2,004	30,986
Paint, glass, wall paper stores	8,910	127,049	7,423	14,907	17,260	1,536	36,163
Electrical supply stores	1,469	21,905	1,307	3,389	4,058	310	6,844
Eating and drinking places	**251,473**	**2,390,860**	**257,566**	**646,935**	**413,720**	**30,224**	**1,000,041**
Restaurants, cafeterias, lunchrooms	113,037	1,453,118	116,408	442,908	282,637	16,302	677,590
Lunch counters, refreshment stands	40,431	213,781	40,174	52,844	29,595	3,045	76,498
Drinking places	98,005	723,961	100,984	151,183	101,488	10,787	245,953
Drug stores	**56,697**	**1,232,593**	**42,363**	**159,130**	**143,354**	**9,035**	**291,770**
Drug stores with fountain	38,731	950,328	32,199	127,830	112,660	6,881	227,071
Drug stores without fountain	17,966	282,265	16,164	31,300	30,694	2,154	64,699
Other retail stores	**151,240**	**2,947,127**	**131,822**	**300,295**	**331,410**	**26,034**	**678,205**
Bicycle shops	781	5,149	763	628	493	68	1,131
Book stores	2,979	67,007	2,384	12,117	13,474	767	23,803
Cigar stores and cigar stands	15,350	182,950	13,717	15,111	13,820	793	35,675
Florists	11,242	98,718	10,976	17,320	15,964	1,331	36,724
Fuel and ice dealers	35,293	859,018	31,626	91,573	106,066	13,267	206,521

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.

No. 873.—Retail Trade—Summary, by Business Groups and Kind of Business: 1935—Continued

KIND OF BUSINESS	Number of stores	Net sales (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	PAY ROLL (THOUSANDS OF DOLLARS)		Operating expenses, incl. pay roll (thousands of dollars)
					Total	Part-time	
Other retail stores—Continued.							
Gift, novelty, souvenir shops	5,512	31,502	5,370	4,285	3,366	445	9,097
Hay, grain, feed stores (without groceries)	10,350	317,300	8,720	17,418	16,284	1,037	33,729
Hay, grain, and feed stores (with groceries)	782	29,277	612	1,626	1,397	89	2,822
Farm and garden supply stores	9,176	252,471	8,259	18,732	18,248	1,645	38,169
Jewelry stores	12,447	234,893	11,096	25,709	35,479	1,303	81,856
Luggage stores	829	16,230	670	1,721	2,124	103	5,125
News dealers	7,071	61,655	5,590	13,843	6,491	1,127	13,992
Sporting goods stores	1,944	35,315	1,741	3,692	4,252	199	9,193
Beer and liquor stores (packaged)	12,105	328,307	8,922	16,312	19,458	1,007	41,555
Other classifications	25,379	427,245	21,376	60,208	74,494	2,863	138,813
Second-hand stores	**22,550**	**113,340**	**22,549**	**20,994**	**17,113**	**1,769**	**33,588**
Second-hand stores—clothing and shoe	2,862	6,544	2,820	1,192	631	67	1,666
Second-hand furniture	6,941	21,961	7,032	3,383	2,232	303	5,707
Second-hand tires, accesories, and parts	6,433	29,988	6,859	7,121	5,392	545	9,396
Pawn shops	1,142	20,489	1,004	2,258	3,096	91	6,150
Second-hand stores—other	5,172	34,358	4,834	7,040	5,762	763	10,669

No. 874.—Retail Chains—Summary: 1929, 1933, and 1935

[Sales and pay roll in thousands of dollars]

	1929	1933	1935		1929	1933	1935
Number of chains	7,061	5,546	6,079	Employees, full-time and part-time	(2)	1,104,406	1,171,671
Number of retail units (stores)[1]	159,638	152,308	139,810	Stores	(2)	985,984	1,071,094
Number of central offices	(2)	(2)	1,914	Central offices	(2)	118,422	73,655
				Warehouses	26,442		26,322
Number of warehouses [3]	559	462	492	Pay roll, total	(2)	1,051,990	1,211,066
Sales through stores, all chains	10,740,385	6,767,766	8,460,611	Stores	(2)	868,358	1,023,125
				Central offices	(2)	155,249	153,993
Central-office sales	(2)	215,583	281,779	Warehouses	40,635	28,383	33,948
Value (wholesale) of merchandise handled through chain-store warehouses en route to stores [4]	1,929,681	1,431,563	1,864,221	Total pay roll per $100 of total sales	(2)	$15.06	$13.85

[1] Includes besides the units classified as store chains in tables 875 and 876, leased-department chains (3,664 for 1935), State liquor stores (2,053 for 1935), and other lesser types (6,611 for 1935).
[2] No comparable data available.
[3] Reported by 228 chains.
[4] Including merchandise sold at wholesale through the central offices. Figures do not represent the cost of goods sold. They relate only to merchandise billed through warehouses, which is but a small part of the total quantity of goods sold by chain stores. This figure is sometimes regarded as part of the total of wholesale distribution, performed by the chains instead of by merchant wholesalers.

No. 875.—Retail Trade—Number of Stores and Net Sales, by Type of Operation: 1929, 1933, and 1935

TYPE OF OPERATION	NUMBER OF STORES			NET SALES (THOUSANDS OF DOLLARS)		
	1929	1933	1935	1929	1933	1935
Total, all types	**1,543,158**	**1,526,119**	**1,653,961**	**49,114,653**	**25,037,225**	**33,161,276**
Independents	1,375,509	1,349,356	1,474,149	38,081,504	17,846,332	24,246,112
Chains	148,037	141,676	127,482	9,834,846	6,372,554	7,550,186
Leased departments	4,271	(1)	7,181	154,024	(1)	156,111
Utility-operated	4,053	4,127	3,936	163,371	76,079	123,242
Mail-order	271	311	378	515,237	244,381	420,027
Direct-selling	1,661	6,934	6,349	93,961	107,813	125,316
State liquor			2,053			160,665
Other types	9,356	[1] 23,715	32,433	271,710	[1] 390,066	379,617

[1] "Leased departments" included with "Other types."

Source of tables 873, 874, and 875: Department of Commerce, Bureau of the Census; Census of Business, 1935, Retail Distribution, Vol. 1, for tables 873 and 875 and Retail Chains for table 874.

No. 876.—Retail Trade—Summary for 26 Kinds of Business, by Type of Operation: 1935

Type of operation and kind of business	Number of stores	Net sales (thousands of dollars)	Active proprietors and firm members [1]	Employees (full-time and part-time), average for year	Pay roll (thousands of dollars) [2]		Operating expenses, incl. pay roll (thousands of dollars)
					Total	Part-time	
United States total	1,653,961	33,161,276	1,511,734	3,961,478	3,623,289	235,123	7,591,912
Independents	1,474,149	24,246,112	1,471,938	2,838,801	2,558,615	164,449	5,387,686
Single-store	1,419,855	21,634,240	1,447,214	2,521,921	2,226,042	151,067	4,736,210
Two-store	40,897	1,749,849	21,014	209,019	219,913	9,116	426,303
Three-store	13,054	771,246	3,645	93,614	97,296	3,875	195,871
Local branch systems	343	90,771	65	14,247	15,364	391	29,302
Chains	127,482	7,550,186	2,702	963,636	910,569	61,352	1,884,980
Local	17,964	1,021,613	1,336	134,012	143,752	5,730	300,887
Sectional and national	107,593	6,413,596	1,310	807,808	739,892	55,248	1,538,650
Manufacturer-controlled	1,925	114,977	6	21,816	26,925	374	45,443
All other types	52,330	1,364,978	37,094	159,041	154,105	9,322	319,246
Leased departments, independent	3,517	43,041	3,408	5,971	4,821	467	11,033
Leased departments, chain	3,604	108,070	112	17,071	14,902	1,478	36,864
Utility-operated stores	3,936	123,242	27	20,920	22,925	3,311	43,814
Mail-order houses	378	420,027	195	40,969	39,888	851	106,281
Direct selling (house-to-house)	6,349	125,316	5,178	33,570	35,183	772	51,997
State liquor stores [3]	2,053	160,665	12	4,954	8,196	258	13,366
Military post canteens	487	5,524	145	728	557	33	1,087
Commissaries or company stores	1,888	113,126	528	9,334	9,844	345	16,269
Other types	30,068	260,967	27,489	25,524	17,789	1,806	37,935
Grocery stores (without meats)	138,738	2,202,607	170,415	156,031	125,802	10,974	281,962
Independents	104,404	1,339,524	103,794	81,103	54,566	5,111	146,709
Chains	22,632	842,075	124	72,998	69,385	5,779	131,450
All other types	1,702	21,008	1,497	2,140	1,851	84	3,803
Combination stores (groc. and meats)	166,233	4,149,813	148,321	359,716	304,006	22,926	617,799
Independents	139,994	2,509,867	147,462	206,746	157,635	11,657	331,225
Chains	25,607	1,624,513	347	151,662	145,130	11,199	284,275
All other types	632	15,433	512	1,308	1,241	70	2,299
Beer and liquor stores (packaged)	12,105	328,307	8,922	16,312	19,458	1,007	41,555
Independents	9,718	157,696	8,819	10,816	10,603	741	26,709
Chains	226	6,020	18	428	563	3	1,215
State liquor stores [3]	2,053	160,665	12	4,954	8,196	258	13,366
All other types	108	3,926	73	114	96	5	205
Motor-vehicle dealers	35,045	3,847,642	30,219	267,022	325,043	5,708	597,237
Independents	34,504	3,678,674	30,192	255,662	308,560	5,590	566,023
Chains	535	168,337	24	11,247	16,422	118	30,956
All other types	6	631	3	113	61	-------	258
Accessories-tire-battery dealers	14,343	373,910	10,384	45,751	54,557	1,786	107,978
Independents	10,885	186,808	10,325	21,967	26,764	947	50,291
Chains	3,453	186,917	55	23,757	27,762	838	57,621
All other types	5	185	4	27	31	1	66
Filling stations	197,568	1,967,714	179,870	203,753	177,128	11,400	359,727
Independents	177,520	1,530,994	179,381	145,527	106,904	10,075	228,711
Chains	19,575	423,082	262	57,130	69,022	1,279	120,097
All other types	404	13,638	227	1,096	1,202	46	1,919
Department stores	4,201	3,311,070	756	492,090	465,910	25,040	966,104
Independents	1,711	2,084,945	741	337,865	334,857	12,182	655,671
Chains	2,423	883,101	11	116,366	99,342	12,145	217,712
Mail-order houses	33	386,200	3	37,228	34,053	658	91,653
All other types	34	6,824	1	631	658	55	1,068
Variety stores	11,741	780,819	5,846	171,375	91,295	13,107	208,082
Independents	6,056	71,944	5,683	12,532	6,715	893	15,033
Chains	5,658	708,851	140	158,799	84,557	12,212	193,001
All other types	27	224	23	44	23	2	48
Men's clothing and furnishings stores	20,914	659,617	17,183	58,283	74,815	3,847	176,574
Independents	19,018	514,040	16,867	46,477	57,570	3,104	131,299
Chains	1,592	138,528	74	11,381	16,678	779	42,875
All other types	304	6,449	242	425	567	64	2,400
Family clothing stores	7,881	358,349	6,060	46,777	47,205	2,296	103,173
Independents	6,915	282,955	5,998	36,304	36,001	1,796	78,574
Chains	923	74,008	33	10,312	10,959	497	24,024
All other types	43	1,386	29	161	245	3	575

[1] Figures for chains are active owners of unincorporated chains; they do not indicate the number of companies.

[2] Includes no compensation for proprietors and firm members of unincorporated businesses.

[3] Includes county or municipal liquor stores in some States.

No. 876.—Retail Trade—Summary for 26 Kinds of Business, by Type of Operation: 1935—Continued

TYPE OF OPERATION AND KIND OF BUSINESS	Number of stores	Net sales (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	PAY ROLL (THOUSANDS OF DOLLARS)		Operating expenses, incl. pay roll (thousands of dollars)
					Total	Part-time	
Women's ready-to-wear stores	21,975	794,992	17,968	107,469	103,047	6,573	228,873
Independents	19,265	574,900	16,838	79,175	77,450	4,511	165,680
Chains	2,407	200,077	122	25,768	23,426	1,810	57,491
All other types	303	20,015	108	2,526	2,171	252	5,702
Shoe stores	18,967	511,399	11,668	57,131	56,623	4,775	142,884
Independents	13,027	221,712	11,452	22,920	24,162	1,731	56,951
Chains	5,006	255,564	99	29,416	28,308	2,705	75,486
All other types	934	34,123	117	4,795	4,153	339	10,447
Furniture stores	17,043	694,578	14,855	77,905	102,065	3,092	221,867
Independents	16,468	597,255	14,819	67,570	87,520	2,790	186,446
Chains	561	93,821	26	9,893	13,825	295	34,014
All other types	14	3,502	10	442	720	7	1,407
Household appliance and radio stores	14,100	381,171	7,810	65,836	75,156	5,428	133,070
Independents	8,392	183,279	7,748	24,558	28,020	1,713	51,867
Chains	1,196	47,987	11	13,160	14,201	347	22,074
All other types	4,512	149,905	51	28,118	32,935	3,368	59,129
Radio dealers	4,296	57,152	4,225	6,135	7,513	442	16,442
Independents	4,176	43,233	4,209	5,238	5,337	390	11,735
Chains	103	13,187	7	797	2,060	50	4,425
All other types	17	732	9	100	116	2	282
Lumber and building material dealers	21,149	866,865	10,819	90,858	108,801	6,866	202,074
Independents	15,476	655,519	10,710	70,816	85,840	5,869	157,028
Chains	5,619	206,097	100	19,549	22,443	988	43,711
All other types	54	5,249	9	493	518	9	1,335
Hardware stores and implement dealers	36,633	758,979	36,203	67,716	70,939	4,495	146,374
Independents	35,956	724,306	36,202	64,910	67,464	4,372	138,935
Chains	585	32,911	18	2,601	3,242	116	7,210
All other types	92	1,762	73	205	233	7	229
Restaurants and eating places	153,468	1,666,899	156,582	495,752	312,232	19,437	754,088
Independents	146,747	1,390,785	154,035	412,640	252,718	16,844	610,730
Chains	3,988	242,354	123	76,145	54,912	2,107	132,082
All other types	2,733	24,760	2,424	6,967	4,602	486	11,276
Drinking places	98,005	723,961	100,984	151,183	101,488	10,787	245,953
Independents	97,205	718,215	100,338	149,787	100,621	10,677	243,874
Chains	46	813	18	163	136	4	256
All other types	754	4,933	628	1,233	731	106	1,823
Cigar stores and cigar stands	15,350	182,950	13,717	15,111	13,820	793	35,675
Independents	13,462	111,851	13,487	9,796	7,617	693	20,840
Chains	1,608	65,525	17	4,987	5,824	81	13,876
All other types	280	5,574	213	328	379	19	959
Fuel and ice dealers	35,293	859,013	31,626	91,573	106,066	13,257	206,521
Independents	32,720	710,707	30,366	77,974	87,010	10,640	168,232
Chains	1,289	141,423	32	12,731	18,348	2,478	36,901
All other types	1,284	6,888	1,228	868	708	139	1,388
Drug stores with fountain	38,731	950,328	32,199	127,880	112,660	6,881	227,071
Independents	35,581	676,103	32,119	92,759	77,527	6,314	154,428
Chains	3,107	273,324	49	34,957	35,026	566	72,429
All other types	43	901	31	114	107	1	214
Drug stores without fountain	17,966	282,265	16,104	31,300	30,694	2,154	64,699
Independents	17,274	237,285	16,107	27,151	25,613	2,038	53,978
Chains	637	43,483	25	3,964	4,883	107	10,303
All other types	55	1,497	32	185	198	9	418
Hay, grain, and feed stores	11,132	346,667	9,332	19,044	17,681	1,126	36,551
Independents	9,590	248,126	9,228	14,456	12,606	937	26,980
Chains	1,006	55,443	58	2,974	3,264	129	6,523
All other types	536	43,098	46	1,614	1,811	60	3,048
Farm and garden supply stores	9,176	252,471	8,259	18,732	18,248	1,645	38,169
Independents	8,100	189,204	7,930	14,375	13,926	1,415	29,109
Chains	191	11,891	7	1,088	1,189	24	2,577
All other types	885	51,286	322	3,269	3,133	206	6,483
Jewelry stores	12,447	234,893	11,096	25,709	35,479	1,303	81,856
Independents	12,047	212,002	11,024	23,050	31,291	1,235	70,992
Chains	323	20,890	31	2,399	3,916	62	10,201
All other types	77	2,001	41	260	272	6	663
All other kinds of business	469,461	5,616,340	451,061	695,084	662,558	47,878	1,352,554

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Retail Distribution, Vol. I.

No. 877.—Retail Trade—Summary,

[Sales, pay roll, and expenses

DIVISION AND STATE	NUMBER OF STORES			NET SALES					Active proprietors and firm members, 1935
				Amount			Percent change		
	1929	1933	1935	1929	1933	1935	1933 from 1929	1935 from 1933	
United States	1,543,158	1,526,119	1,653,961	49,114,653	25,037,225	33,161,276	−49	32	1,511,734
New England	108,764	105,646	114,044	3,785,869	2,167,760	2,721,911	−43	26	95,803
Maine	11,091	11,429	12,766	307,627	184,386	232,599	−40	26	11,384
New Hampshire	6,557	6,368	7,225	184,285	111,799	152,583	−39	36	6,559
Vermont	5,189	4,934	4,958	152,176	78,600	99,121	−48	26	4,545
Massachusetts	54,183	52,430	55,536	2,054,976	1,195,161	1,461,180	−42	22	45,426
Rhode Island	9,542	8,438	9,095	318,295	167,288	219,706	−47	31	7,684
Connecticut	22,202	22,047	24,464	768,510	430,526	556,722	−44	29	20,205
Middle Atlantic	385,302	358,489	402,028	12,717,899	6,633,819	8,460,917	−48	28	357,709
New York	190,017	178,614	204,511	7,070,414	3,730,992	4,749,708	−47	27	181,621
New Jersey	60,010	64,190	67,793	1,843,545	1,016,928	1,220,299	−45	20	58,755
Pennsylvania	135,275	115,685	129,719	3,803,940	1,876,899	2,490,910	−51	33	117,333
East North Central	317,667	327,771	340,393	11,262,958	5,314,073	7,170,586	−53	35	310,512
Ohio	83,717	85,961	93,208	2,864,831	1,442,132	1,956,941	−50	36	83,458
Indiana	41,618	41,256	42,471	1,222,384	569,972	780,508	−53	37	39,086
Illinois	96,900	98,870	98,538	3,711,903	1,728,880	2,173,069	−53	26	89,533
Michigan	55,958	57,121	61,967	2,226,398	949,137	1,388,236	−57	46	56,552
Wisconsin	39,474	44,563	44,154	1,237,442	623,952	871,832	−50	40	40,983
West North Central	170,644	180,307	192,570	5,969,554	2,641,958	3,521,954	−56	33	182,871
Minnesota	30,725	33,879	37,495	1,051,930	585,102	820,010	−44	40	35,367
Iowa	32,716	34,643	38,979	972,136	479,695	650,029	−51	36	38,045
Missouri	47,039	49,247	50,927	1,448,220	759,125	946,125	−48	25	47,645
North Dakota	8,077	7,981	9,019	234,540	108,087	150,208	−54	39	8,451
South Dakota	8,845	8,566	9,618	255,197	106,196	147,564	−58	39	8,985
Nebraska	17,637	19,212	19,099	562,945	274,575	359,757	−51	31	17,979
Kansas	25,605	26,779	27,433	744,586	329,178	448,261	−56	36	26,399
South Atlantic	169,088	168,200	181,731	4,201,755	2,477,028	3,296,008	−41	33	163,509
Delaware	3,088	3,420	4,300	103,512	57,910	76,877	−44	33	3,975
Maryland	21,082	23,487	23,349	619,573	384,384	462,874	−38	20	21,557
Dist. of Col	5,931	6,156	6,472	336,262	241,515	330,813	−28	37	4,815
Virginia	26,120	26,451	26,757	600,929	358,102	471,329	−40	32	23,901
West Virginia	17,244	17,128	18,975	447,877	244,071	332,190	−46	36	16,982
North Carolina	28,831	27,652	29,462	653,419	363,111	463,219	−44	28	27,303
South Carolina	15,036	15,528	16,686	300,220	186,215	248,206	−38	33	14,672
Georgia	28,687	26,681	31,310	635,440	352,916	484,693	−45	37	28,625
Florida	22,449	21,697	24,330	504,523	288,804	425,807	−43	47	21,679
East South Central	89,199	83,270	94,034	2,171,995	1,025,923	1,386,429	−53	35	89,689
Kentucky	27,117	25,072	29,286	587,340	304,605	388,278	−48	27	28,192
Tennessee	23,384	22,777	27,445	643,817	330,079	482,586	−49	46	26,087
Alabama	21,442	20,049	22,167	527,101	250,384	337,217	−53	35	20,740
Mississippi	17,256	14,772	15,136	413,737	140,855	178,348	−66	27	14,670
West South Central	135,482	132,505	138,709	3,727,371	1,751,553	2,309,174	−53	32	133,233
Arkansas	17,937	15,018	18,292	412,080	180,095	240,724	−56	34	18,162
Louisiana	23,288	22,239	23,189	476,643	264,123	344,393	−45	30	21,399
Oklahoma	27,339	26,434	26,022	795,028	341,774	434,793	−57	27	25,275
Texas	66,918	67,914	71,206	2,043,620	965,561	1,289,264	−53	34	68,397
Mountain	44,661	44,301	49,140	1,548,650	739,614	1,100,728	−52	49	44,975
Montana	6,951	6,732	7,944	243,828	112,382	189,457	−54	69	7,114
Idaho	4,916	5,139	5,863	169,087	87,406	140,167	−48	60	5,347
Wyoming	2,983	3,169	3,486	103,437	55,970	82,681	−46	48	3,240
Colorado	13,993	13,700	14,273	466,959	233,014	302,559	−50	30	13,231
New Mexico	4,191	4,246	4,812	119,759	53,944	88,751	−55	65	4,612
Arizona	5,068	4,749	5,214	198,620	76,250	121,083	−62	59	4,904
Utah	5,249	5,103	5,839	196,559	91,968	132,098	−53	44	5,004
Nevada	1,310	1,463	1,709	50,401	28,680	43,932	−43	53	1,523
Pacific	122,871	125,630	141,312	4,428,602	2,285,497	3,193,569	−48	40	133,433
Washington	22,110	22,307	25,086	761,808	368,171	528,709	−52	44	23,343
Oregon	14,570	13,769	15,352	455,931	224,447	335,851	−51	50	14,493
California	85,691	89,554	100,874	3,210,863	1,692,879	2,329,009	−47	38	95,597

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.

BY STATES: 1929, 1933, AND 1935

in thousands of dollars]

EMPLOYEES (FULL-TIME AND PART-TIME), AVERAGE FOR YEAR			PAY ROLL [1]					Operating expenses (including pay roll), 1935	DIVISION AND STATE
					1935				
1929	1933	1935	1929	1933	Total	Full-time	Part-time		
4,402,940	3,433,652	3,961,478	5,189,670	2,910,445	3,623,289	3,388,166	235,123	7,591,912	U. S.
360,979	290,649	330,467	422,040	268,852	322,456	300,257	22,199	658,074	N. E.
26,482	22,147	24,783	28,012	18,715	22,100	20,531	1,569	46,242	Maine.
16,209	13,469	16,249	16,786	11,377	14,881	13,870	1,011	31,065	N. H.
11,725	9,540	10,083	12,763	7,809	8,771	8,115	656	18,715	Vt.
206,478	166,385	186,136	241,100	150,224	182,065	169,047	13,018	369,408	Mass.
31,975	23,477	28,881	36,183	21,242	27,671	25,869	1,802	55,453	R. I.
68,110	55,632	64,335	87,196	53,485	66,968	62,825	4,143	137,191	Conn.
1,087,698	844,861	982,340	1,397,727	811,903	989,038	929,540	59,498	2,187,070	M. A.
575,145	449,141	527,564	702,285	464,707	568,833	537,237	31,596	1,258,441	N. Y.
146,145	119,733	136,907	193,503	119,927	140,660	131,839	8,821	305,129	N. J.
366,408	275,988	317,869	411,939	227,269	279,545	260,464	19,081	603,500	Pa.
1,012,427	769,440	873,507	1,247,467	633,401	800,496	742,483	58,013	1,657,670	E. N. C.
266,286	210,141	242,003	318,274	172,264	219,407	203,023	16,384	442,578	Ohio.
118,561	85,507	98,052	125,966	63,315	81,580	75,188	6,392	166,765	Ind.
338,926	252,865	272,784	440,280	221,323	263,232	247,287	15,945	557,477	Ill.
183,473	134,688	163,278	241,870	108,969	152,323	141,873	10,450	308,229	Mich.
105,181	86,238	97,390	121,077	67,530	83,954	75,112	8,842	182,621	Wis.
469,698	367,129	413,954	497,830	281,335	340,280	315,321	24,939	727,455	W. N. C.
93,072	78,320	92,498	103,817	64,783	83,029	77,177	5,852	177,612	Minn.
85,549	66,144	73,273	86,094	47,020	55,814	50,832	4,982	122,676	Iowa.
140,727	112,597	124,849	153,142	90,182	104,127	97,432	6,695	218,600	Mo.
16,755	11,950	14,076	17,931	9,301	12,132	11,167	965	27,143	N. Dak.
20,423	13,171	15,687	20,556	9,393	12,152	11,221	931	27,255	S. Dak.
47,949	38,052	40,967	49,678	28,343	33,143	30,587	2,556	70,970	Nebr.
65,223	46,896	52,634	66,612	32,813	39,863	36,905	2,958	83,199	Kans.
411,751	357,880	423,911	419,553	268,958	344,069	324,917	19,152	684,782	S. A.
9,205	7,563	9,102	9,842	6,331	8,364	7,906	458	16,799	Del.
60,072	53,302	59,681	64,202	45,707	51,738	48,649	3,089	109,641	Md.
34,519	32,905	42,069	44,385	33,681	43,905	42,102	1,803	87,853	D. C.
60,280	51,975	58,105	61,386	40,065	48,547	45,943	2,604	95,470	Va.
37,090	31,930	37,269	42,106	24,470	31,512	29,424	2,088	61,704	W. Va.
61,272	53,181	60,207	58,066	35,165	44,233	41,418	2,815	86,285	N. C.
30,363	27,662	33,327	26,128	16,961	22,688	21,223	1,465	42,425	S. C.
67,044	54,426	66,896	60,599	35,763	46,963	44,473	2,490	92,448	Ga.
51,902	42,937	57,255	52,749	30,815	46,119	43,779	2,340	92,157	Fla.
201,017	150,601	175,856	193,312	100,343	129,778	122,157	7,621	262,777	E. S. C.
53,971	42,350	48,481	53,266	30,220	36,931	34,548	2,383	73,331	Ky.
63,256	47,866	61,474	61,176	33,564	46,784	44,152	2,632	96,075	Tenn.
50,156	38,648	42,517	48,123	23,788	30,360	28,669	1,691	61,618	Ala.
33,634	21,737	23,384	30,747	13,271	15,703	14,788	915	31,253	Miss.
336,737	254,401	291,496	348,243	182,059	224,272	212,524	11,748	452,599	W. S. C.
34,658	23,917	28,046	33,034	15,290	19,427	18,209	1,218	38,793	Ark.
50,578	43,351	50,271	48,982	30,411	36,864	35,305	1,559	76,557	La.
68,154	48,776	53,809	74,266	34,629	41,181	38,584	2,597	85,308	Okla.
183,347	138,357	159,370	191,961	101,720	126,800	120,426	6,374	251,941	Tex.
131,984	94,230	114,904	155,952	80,163	109,178	101,549	7,629	225,558	Mt.
18,418	13,105	17,751	23,317	11,813	18,775	17,142	1,633	37,581	Mont.
13,021	9,849	13,064	15,386	7,940	12,659	11,791	868	26,143	Idaho.
7,588	6,155	7,335	9,069	5,777	7,426	6,981	445	16,104	Wyo.
44,760	32,439	34,049	50,731	27,174	29,971	28,020	1,951	63,745	Colo.
9,808	6,825	9,396	10,344	5,351	8,269	7,799	470	16,488	N. Mex.
16,182	9,815	13,156	19,900	8,455	12,530	11,744	786	25,337	Ariz.
18,689	12,866	15,891	21,509	10,336	14,611	13,403	1,208	30,051	Utah.
3,518	3,175	4,262	5,096	3,317	4,937	4,669	268	10,109	Nev.
390,649	304,461	355,013	507,548	282,431	363,742	339,418	24,324	755,927	Pac.
67,917	50,113	57,423	83,444	42,262	56,287	52,019	4,268	116,115	Wash.
40,514	28,775	35,066	48,154	24,064	33,814	31,467	2,347	71,087	Oreg.
282,218	225,572	262,524	375,948	216,105	273,641	255,932	17,709	568,725	Calif.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Retail Distribution, Vol. I.

No. 878.—Retail Trade—Summary for Each City Having (in 1930) 50,000 or More Inhabitants: 1935

City	Number of stores	Net sales (thousands of dollars)	Employees, avg. for year[1]	Pay roll (thousands of dollars)[2]
Akron, Ohio	3,303	95,899	12,721	12,725
Albany, N. Y.	2,256	79,742	9,620	9,663
Allentown, Pa.	1,424	35,659	5,177	4,403
Altoona, Pa.	1,152	25,545	3,714	2,953
Asheville, N. C.	668	19,351	2,806	2,322
Atlanta, Ga.	3,833	136,842	19,570	16,343
Atlantic City, N. J.	1,734	37,107	5,525	5,092
Augusta, Ga.	971	20,584	3,267	2,463
Austin, Tex.	969	26,695	3,695	3,080
Baltimore, Md.	13,557	301,137	41,405	37,587
Bayonne, N. J.	1,217	17,129	1,714	1,591
Beaumont, Tex.	886	23,025	3,143	2,753
Berkeley, Calif.	1,155	25,630	3,041	3,080
Bethlehem, Pa.	809	15,507	1,958	1,645
Binghamton, N. Y.	1,070	38,048	4,520	4,491
Birmingham, Ala.	2,639	73,764	11,403	9,195
Boston, Mass.	10,649	430,121	60,968	65,746
Bridgeport, Conn.	2,451	57,080	7,237	7,506
Brockton, Mass.	814	21,977	3,222	2,745
Buffalo, N. Y.	8,007	205,396	26,652	25,782
Cambridge, Mass.	1,372	39,111	5,346	5,035
Camden, N. J.	2,089	38,705	4,665	4,613
Canton, Ohio	1,520	39,802	5,038	4,608
Cedar Rapids, Iowa	1,012	23,586	2,855	2,630
Charleston, S. C.	972	20,142	3,184	2,326
Charleston, W. Va.	1,020	33,731	4,415	4,402
Charlotte, N. C.	951	31,690	4,820	4,148
Chattanooga, Tenn.	1,826	44,065	6,195	5,296
Chester, Pa.	1,018	17,343	2,233	2,127
Chicago, Ill.	44,382	1,215,706	160,917	166,591
Cicero, Ill.	990	14,268	1,363	1,341
Cincinnati, Ohio	6,948	196,867	26,517	24,776
Cleveland, Ohio	13,924	355,210	47,601	48,890
Cleveland Heights, Ohio	314	10,408	1,313	1,393
Columbia, S. C.	840	22,809	3,529	2,809
Columbus, Ohio	4,070	118,274	17,007	15,696
Covington, Ky.	1,109	16,424	2,122	1,820
Dallas, Tex.	4,116	123,550	17,301	15,967
Davenport, Iowa	961	26,923	3,695	3,147
Dayton, Ohio	3,332	80,483	10,626	10,135
Dearborn, Mich.	512	15,060	1,643	1,581
Decatur, Ill.	787	23,057	3,002	2,634
Denver, Colo.	4,184	127,497	15,741	14,873
Des Moines, Iowa	2,408	68,801	9,231	8,458
Detroit, Mich.	10,133	543,690	68,672	71,337
Duluth, Minn.	1,420	41,073	5,687	5,295
Durham, N. C.	577	17,133	2,549	1,994
East Chicago, Ind.	753	9,703	1,080	960
East Orange, N. J.	835	22,724	2,442	2,639
East St. Louis, Ill.	1,148	19,661	2,491	2,246
Elizabeth, N. J.	2,431	42,911	4,639	4,976
El Paso, Tex.	1,279	31,896	4,315	3,912
Erie, Pa.	1,718	38,051	5,290	4,658
Evanston, Ill.	629	31,067	3,819	4,640
Evansville, Ind.	1,382	30,510	4,116	3,748
Fall River, Mass.	1,750	31,271	4,182	3,686
Flint, Mich.	1,872	58,303	6,675	6,456
Fort Wayne, Ind.	1,620	42,668	6,021	5,377
Fort Worth, Tex.	2,441	64,503	8,619	7,201
Fresno, Calif.	1,478	41,031	4,386	4,771
Galveston, Tex.	831	17,887	2,641	2,305
Gary, Ind.	1,239	29,277	3,625	3,378
Glendale, Calif.	1,148	28,313	2,950	2,979
Grand Rapids, Mich.	2,375	59,784	7,988	7,116
Greensboro, N. C.	648	20,875	3,121	2,547
Hamilton, Ohio	886	18,088	2,068	1,920
Hammond, Ind.	816	24,192	2,811	2,809
Hamtramck, Mich.	765	13,774	1,637	1,565
Harrisburg, Pa.	1,235	37,895	5,487	5,069
Hartford, Conn.	2,667	88,639	11,552	12,704
Highland Park, Mich.	611	20,293	2,275	2,207
Hoboken, N. J.	1,289	16,774	1,827	1,980
Holyoke, Mass.	731	17,963	2,310	2,119
Houston, Tex.	3,876	113,715	15,358	13,705
Huntington, W. Va.	1,078	24,456	3,251	2,806
Indianapolis, Ind.	4,757	139,084	20,712	18,011
Irvington, N. J.	936	14,348	1,444	1,418
Jackson, Mich.	746	19,719	2,398	2,104
Jacksonville, Fla.	1,901	50,745	8,027	6,507
Jersey City, N. J.	4,890	76,954	8,185	8,651
Johnstown, Pa.	705	20,193	2,948	2,490
Kalamazoo, Mich.	804	26,880	3,105	2,996
Kansas City, Kans.	1,706	27,782	3,445	2,830
Kansas City, Mo.	5,985	209,399	30,796	26,165
Kenosha, Wis.	673	15,969	1,810	1,604
Knoxville, Tenn.	1,518	41,730	6,216	4,997
Lakewood, Ohio	583	15,717	1,968	1,773
Lancaster, Pa.	1,353	25,117	3,555	3,024
Lansing, Mich.	1,071	38,872	4,735	4,608
Lawrence, Mass.	1,415	30,834	3,710	3,443
Lincoln, Nebr.	1,109	36,426	5,068	4,508
Little Rock, Ark.	1,319	31,847	4,031	3,685
Long Beach, Calif.	3,054	63,181	7,163	7,201
Los Angeles, Calif.	23,471	593,002	79,931	80,965
Louisville, Ky.	4,488	100,702	14,907	13,067
Lowell, Mass.	1,314	30,962	4,089	3,639
Lynn, Mass.	1,412	34,615	4,866	4,580
Macon, Ga.	912	20,453	3,191	2,435
Madison, Wis.	1,033	30,267	4,784	4,698
Malden, Mass.	749	19,775	2,571	2,312
Manchester, N. H.	1,058	28,537	3,511	3,222
McKeesport, Pa.	672	19,297	2,549	2,053
Medford, Mass.	419	11,017	1,230	1,202
Memphis, Tenn.	3,242	101,915	14,121	11,832
Miami, Fla.	2,641	75,326	10,113	9,513
Milwaukee, Wis.	9,351	236,041	30,464	29,214
Minneapolis, Minn.	6,446	220,834	30,114	30,032
Mobile, Ala.	1,127	23,457	3,554	2,718
Montgomery, Ala.	1,011	21,425	3,361	2,624
Mount Vernon, N. Y.	994	27,660	2,705	3,205
Nashville, Tenn.	3,199	74,501	10,672	8,971
Newark, N. J.	8,593	197,527	25,256	27,980
New Bedford, Mass.	1,071	35,197	4,917	4,162
New Britain, Conn.	881	18,104	2,012	2,019
New Haven, Conn.	2,945	71,638	8,942	9,030
New Orleans, La.	6,835	123,524	20,917	15,823
New Rochelle, N. Y.	825	25,328	2,739	3,340
Newton, Mass.	521	17,391	1,999	2,071
New York, N. Y.	115,567	2,847,332	323,590	369,483
Bronx	17,492	311,490	26,236	30,845
Brooklyn	37,932	677,258	65,666	74,072
Manhattan	41,233	1,462,499	193,798	222,023
Queens	16,278	351,364	33,805	38,058
Richmond	2,632	44,712	4,085	4,485
Niagara Falls, N. Y.	1,105	25,642	3,175	2,889
Norfolk, Va.	2,112	50,120	7,238	6,569
Oakland, Calif.	5,256	141,781	16,068	16,903
Oak Park, Ill.	582	23,709	3,020	3,191
Oklahoma City, Okla.	2,420	72,308	9,935	8,662
Omaha, Nebr.	3,061	90,675	12,070	11,481
Pasadena, Calif.	1,566	45,003	5,336	5,590
Passaic, N. J.	1,303	26,665	2,981	3,180
Paterson, N. J.	2,650	54,596	6,355	6,649
Pawtucket, R. I.	1,020	28,224	3,520	3,363
Peoria, Ill.	1,467	46,816	6,774	6,261
Philadelphia, Pa.	20,604	656,744	90,914	85,696
Pittsburgh, Pa.	7,400	266,551	39,617	38,252
Pontiac, Mich.	779	24,386	2,776	2,672
Port Arthur, Tex.	611	14,355	1,862	1,661
Portland, Maine	1,223	37,122	4,627	4,755

[1] Full-time and part-time.

[2] See note 1, table 877.

No. 878.—Retail Trade—Summary for Each City Having (in 1930) 50,000 or More Inhabitants: 1935—Continued

City	Number of stores	Net sales (thousands of dollars)	Employees, avg. for year	Pay roll (thousands of dollars)	City	Number of stores	Net sales (thousands of dollars)	Employees, avg. for year	Pay roll (thousands of dollars)
Portland, Oreg.	5,109	147,413	18,079	18,066	Spokane, Wash.	1,953	58,403	6,683	6,549
Providence, R. I.	3,603	113,392	15,919	16,033	Springfield, Ill.	937	28,920	3,667	3,447
Pueblo, Colo.	733	15,776	2,136	1,655	Springfield, Mass.	2,195	71,557	9,729	9,639
Quincy, Mass.	827	24,097	3,072	2,832	Springfield, Mo.	1,053	21,406	2,819	2,350
Racine, Wis.	956	22,217	2,409	2,173	Springfield, Ohio	1,083	25,914	3,297	3,270
Reading, Pa.	2,549	48,843	6,353	5,870	Syracuse, N. Y.	2,798	81,384	10,619	9,875
Richmond, Va.	2,606	79,837	11,363	10,737	Tacoma, Wash.	1,774	39,345	4,809	4,682
Roanoke, Va.	872	28,801	3,790	3,567	Tampa, Fla.	1,654	34,764	4,898	4,056
Rochester, N. Y.	4,745	132,420	16,438	16,527	Terre Haute, Ind.	1,124	26,790	3,527	3,259
Rockford, Ill.	1,212	31,651	4,045	3,782	Toledo, Ohio	4,037	112,550	14,672	14,285
Sacramento, Calif.	1,868	54,815	5,901	6,662	Topeka, Kans.	1,053	26,306	3,595	3,035
Saginaw, Mich.	1,044	28,850	3,482	3,125	Trenton, N. J.	2,323	48,825	6,004	5,867
St. Joseph, Mo.	1,198	25,976	3,586	3,012	Troy, N. Y.	1,293	29,818	3,519	3,082
St. Louis, Mo.	12,790	316,398	45,519	42,755	Tulsa, Okla.	1,820	56,019	7,851	7,380
St. Paul, Minn.	3,581	137,155	16,854	16,567	Union City, N. J.	1,258	24,255	2,646	2,930
Salt Lake City, Utah	1,649	59,229	8,242	7,907	Utica, N. Y.	1,644	41,151	4,927	4,733
San Antonio, Tex.	4,107	78,744	11,688	9,542	Waco, Tex.	898	18,586	2,427	1,925
San Diego, Calif.	3,107	75,549	8,836	9,191	Washington, D. C.	6,472	330,813	42,069	43,905
San Francisco, Calif.	10,251	298,371	30,020	43,541	Waterbury, Conn.	1,355	33,495	4,233	4,232
San Jose, Calif.	1,050	31,049	3,279	3,760	Wheeling, W. Va.	1,074	29,169	4,464	3,807
Savannah, Ga.	1,327	24,799	4,001	2,952	Wichita, Kans.	1,813	49,464	6,644	5,701
Schenectady, N. Y.	1,385	37,148	4,575	4,224	Wilkes-Barre, Pa.	1,460	37,945	5,601	5,209
Scranton, Pa.	2,125	54,993	7,418	7,382	Wilmington, Del.	2,290	48,609	6,159	6,234
Seattle, Wash.	6,105	163,185	21,185	21,732	Winston-Salem, N.C.	935	23,317	3,359	2,774
Shreveport, La.	1,147	31,018	4,696	3,907	Worcester, Mass.	2,412	71,908	8,786	8,892
Sioux City, Iowa	1,232	28,330	3,658	3,104	Yonkers, N. Y.	1,846	39,865	3,891	4,384
Somerville, Mass.	1,038	22,543	2,783	2,509	York, Pa.	933	25,562	3,273	2,800
South Bend, Ind.	1,379	36,214	4,642	4,369	Youngstown, Ohio	2,379	62,883	7,952	7,471

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Retail Distribution, Vol. II.

No. 879.—Sales by Department Stores—Indexes of Values, by Federal Reserve Districts, 1922 to 1939, and by Months, 1937 to 1940

Note.—1923–1925 average=100. Compiled from reports of about 240 to 560 firms (400 in 1939). Indexes for the United States have been adjusted for variations in number of firms reporting and monthly indexes for the varying number of business days in the different months, for seasonal changes, and for the effect of the shifting date of Easter. These adjustments do not apply uniformly to the indexes by districts

Year	United States	Boston [1]	New York	Philadelphia	Cleveland	Richmond [1]	Atlanta	Chicago	St. Louis	Minneapolis [2]	Kansas City [3]	Dallas	San Francisco
1922	88	92	89	------	87	86	91	------	90	105	------	91	82
1923	98	98	96	101	101	97	101	99	99	105	------	96	97
1924	99	100	99	99	99	99	98	98	98	106	95	100	99
1925	103	102	105	100	101	104	102	103	103	111	100	104	108
1926	106	105	109	103	102	107	106	108	105	108	95	109	111
1927	107	106	110	99	103	105	107	110	103	108	96	107	114
1928	108	104	112	94	103	106	107	116	104	105	97	109	117
1929	111	106	117	95	105	110	104	118	105	106	100	110	119
1930	102	100	113	87	94	106	95	103	94	101	95	100	111
1931	92	91	104	76	82	100	87	87	81	93	81	86	98
1932	69	71	82	60	60	81	68	65	62	74	63	65	74
1933	67	65	78	58	62	77	68	64	62	70	62	66	72
1934	75	69	82	63	70	90	83	74	71	77	73	80	81
1935	79	69	84	65	75	97	87	80	73	83	78	85	91
1936	88	76	92	72	87	107	105	91	82	91	85	100	99
1937	92	77	95	74	96	110	114	98	87	95	89	107	103
1938	85	74	89	66	83	107	113	87	83	93	84	104	96
1939	90	76	91	71	91	111	125	91	88	97	86	106	99

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States:												
1937	93	95	93	93	93	93	92	93	94	93	91	89
1938	90	88	86	83	78	82	83	83	86	84	89	89
1939	88	87	88	88	85	86	86	89	91	90	95	96
1940	92	89	89	89	87	91	------	------	------	------	------	------

[1] Beginning January 1931 computed by the Bureau of Foreign and Domestic Commerce based on percentage changes in sales as reported by the Board of Governors of the Federal Reserve System.
[2] Indexes based on 1926–31=100. [3] Monthly average sales in 1925=100.

Sources: United States and, except as noted, Boston and Richmond, Board of Governors of the Federal Reserve System; other districts, the respective Federal Reserve banks.

No. 880.—Sales by Chain Stores—Indexes of Values, 1935 to 1939, and by Months, 1938, 1939, and 1940

Note.—The combined index for all groups includes the apparel chains shown separately in the table, 5 grocery chains, 6 variety chains, 2 drug chains, and 3 (prior to January 1936, 2) shoe chains. Indexes are based on daily average sales. Each monthly index is expressed as a percentage of the average for the same month of the base period. Allowance for the fluctuating date of Easter is made in the case of apparel, variety, and shoe chains. No allowance has been made for changes in the number of stores operated

[1929–1931=100]

Year and month	Combined index, 20 cos.[1]	Apparel index, 4 cos.[1]	Year and month	Combined index, 20 cos.[1]	Apparel index, 4 cos.[1]	Year and month	Combined index, 20 cos.[1]	Apparel index, 4 cos.[1]
1935	97.0	103.3	1938—Contd.			1939—Contd.		
1936	106.0	117.9	September	109.0	122.0	August	113.0	124.0
1937	111.7	122.0	October	108.0	120.0	September	114.5	127.0
1938	107.0	115.9	November	109.5	121.2	October	113.3	125.0
1939	112.3	124.3	December	112.9	127.0	November	117.0	132.0
1938			1939			December	120.0	142.0
January	106.7	107.6				1940		
February	106.4	108.8	January	107.5	118.0			
March	103.3	116.0	February	108.8	112.7	January	113.5	120.0
April	105.0	112.8	March	109.8	130.0	February	114.0	119.0
May	103.3	109.4	April	110.0	117.6	March	115.0	128.0
June	106.3	109.7	May	110.0	119.0	April	115.0	122.0
July	108.0	120.0	June	111.0	118.0	May	117.0	123.0
August	106.0	116.0	July	113.0	126.0	June	119.0	120.0

[1] The combined index includes 18 companies and the apparel index 3 companies prior to January 1936.

Source: The Chain-Store Age.

No. 881.—Sales by Selected Groups of Retail Outlets—Indexes of Dollar Values, 1932 to 1939, and by Months, 1938, 1939, and 1940

Note.—Indexes of automobile sales are based on unit sales figures reported monthly to the Automobile Manufacturers' Association, which represent over 95 percent of all dealer's sales. The unit sales figures are converted to dollar volume by the use of a computed "average realized price." Indexes of sales in small towns and rural areas are based on figures furnished by three mail-order companies for sales by mail only and by a large group of chain units operating in small towns and cities which serve the rural population. Sales of reporting concerns represent about one-fourth of all general merchandise sales in places of less than 30,000 inhabitants. Indexes of both variety store sales and grocery chain store sales are based on figures furnished by chain organizations doing more than 75 percent of the business in the respective fields. For the variety store index adjustment has been made for changes in the number of stores operated by the companies so that the index reflects sales changes for a constant number of stores. All indexes are computed from dollar sales reduced to a daily average basis. In computing the index of automobile sales, equal weight is given to all days of the month, while in computing the other three indexes, allowance is made for the varying number of business days in the months and the varying sales importance of the different days of the week. The monthly indexes of all four series are adjusted for seasonal changes and, in addition, the variety-store index is adjusted for the changing date of Easter

Variety store sales, daily average basis—1935-39=100; other columns, monthly average basis—1929-31=100

Year and month	Automobile retail sales	Variety store sales	Grocery chain store sales	Rural retail sales	Year and month	Automobile retail sales	Variety store sales	Grocery chain store sales	Rural retail sales
1932	35.5	81.9	85.7	63.1	1939				
1933	43.3	83.6	80.3	69.2					
1934	57.6	91.6	83.3	83.7	January	91.0	101.9	96.4	120.0
1935	83.8	92.9	89.6	99.4	February	96.0	101.9	98.2	128.7
1936	105.1	100.8	94.4	114.8	March	88.0	102.1	99.5	131.0
1937	108.0	103.6	95.7	121.7	April	79.5	99.9	99.0	130.8
1938	66.7	99.3	94.1	114.1	May	79.0	100.9	101.4	131.2
1939	90.7	103.5	102.5	127.5	June	79.0	101.1	99.3	131.7
1938					July	80.5	101.0	99.6	124.8
					August	76.5	103.6	103.1	131.1
January	65.0	99.2	96.2	113.8	September	83.5	101.5	109.4	125.4
February	74.0	100.4	93.6	111.7	October	93.7	106.2	106.4	123.4
March	61.0	99.0	94.7	112.1	November	102.8	106.9	109.0	122.7
April	60.0	96.8	91.7	117.4	December	108.5	104.7	108.8	132.4
May	57.0	95.1	93.6	112.8	1940				
June	50.5	95.5	92.2	116.6					
July	56.5	97.7	91.0	116.2	January	125.8	104.0	108.7	134.5
August	54.5	98.5	92.2	120.1	February	130.8	105.3	111.5	132.3
September	60.0	99.4	94.9	114.6	March	112.5	105.4	110.9	136.6
October	85.0	100.7	94.4	108.5	April	112.5	103.2	109.9	125.4
November	100.0	100.7	96.7	113.1	May	104.1	105.2	112.3	133.8
December	92.5	100.6	98.1	114.8	June	123.0	104.4	111.1	137.7

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce. Indexes are published currently in the Survey of Current Business and in mimeographed reports.

No. 882.—Retail Sales of General Merchandise in Small Towns and Rural Areas—Indexes of Dollar Values, by Regions, 1932 to 1939, and by Months, 1938, 1939, and 1940

Note.—1929–1931=100. Comparable indexes for the United States as a whole and a brief description of the indexes are given in table 881. The States and geographic divisions, as shown in other tables (for example, table 877) included in the regions here shown are as follows: East—New England and Middle Atlantic divisions, Delaware, Maryland, Virginia, and West Virginia; South—East South Central division, North Carolina, South Carolina, Georgia, Florida, Arkansas, Louisiana, and Texas; Middle West—East North Central and West North Central divisions, Oklahoma, Montana, Wyoming, Colorado, and New Mexico; Far West—Pacific division, Idaho, Arizona, Utah, and Nevada

Year and month	East	South	Middle West	Far West	Year and month	East	South	Middle West	Far West
1932	64.5	63.9	61.3	67.0	1939				
1933	66.9	79.4	65.7	73.1	January	115.6	140.7	109.9	136.4
1934	80.4	95.9	79.6	90.1	February	119.6	147.8	112.1	142.9
1935	96.8	116.4	93.8	105.1	March	132.0	156.6	118.7	144.0
1936	115.1	138.9	103.4	123.8	April	122.4	164.3	118.0	140.9
1937	123.9	144.8	110.5	135.5	May	120.1	162.2	119.6	146.6
1938	115.2	134.0	103.8	128.9	June	133.8	165.8	116.4	144.1
1939	127.9	153.7	115.5	142.1	July	124.1	152.8	110.9	140.5
1938					August	132.7	155.0	120.1	146.1
January	113.8	133.9	102.7	128.7	September	128.6	150.0	113.5	138.7
February	111.8	129.7	102.6	123.2	October	120.7	145.4	113.3	138.7
March	114.5	133.3	101.4	122.4	November	129.5	151.6	108.9	135.8
April	120.3	138.0	106.3	130.1	December	137.7	157.4	121.9	148.8
May	113.8	134.1	101.5	132.7	1940				
June	117.1	139.3	105.3	132.0					
July	115.5	136.8	105.3	129.0	January	130.6	152.6	126.3	147.5
August	119.2	144.3	109.1	136.4	February	129.6	150.1	121.8	155.1
September	119.6	134.9	105.3	121.0	March	133.6	167.9	125.1	146.0
October	108.6	127.7	97.1	127.7	April	120.8	152.8	112.5	142.2
November	111.8	129.5	103.5	133.1	May	137.3	160.1	120.4	153.9
December	117.6	135.0	106.7	129.3	June	145.0	164.9	123.3	153.9

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce. See source of table 881 regarding current data.

No. 883.—Service Establishments—Summary, by Service Groups and Kind of Service: 1935

Note.—See headnote, table 884

Kind of service	Number of establishments	Receipts (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Pay roll (thousands of dollars) [1]		
					Total	Full-time	Part-time
United States total	574,708	2,029,302	580,840	634,232	567,517	497,118	70,399
Personal services:							
Barber shops	121,153	209,337	125,721	80,309	54,875	50,145	4,730
Barber and beauty shops	4,302	20,297	4,637	11,115	8,754	8,378	376
Baths and masseurs' establishments (turkish, etc.)	1,126	4,094	1,102	1,586	1,055	981	74
Beauty parlors	61,355	171,943	61,504	78,062	58,323	54,676	3,647
Cleaning, dyeing, pressing, alteration, and repair shops [2]	57,397	130,991	57,512	36,072	22,709	19,308	3,401
Funeral directors, embalmers, and crematories	17,144	230,014	17,078	36,648	39,745	35,225	4,520
Fur repair and storage shops	2,113	11,035	2,046	2,124	2,329	1,908	421
Laundries (not including power laundries) [3]	16,826	42,073	18,487	12,590	7,227	6,213	1,014
Photographic studios	10,402	48,405	9,924	11,792	12,796	11,792	1,004
Rug cleaning and repairing shops [4]	894	2,747	890	736	597	495	102
Shoe repair shops and shoe shine parlors (including hat cleaning)	61,046	109,657	61,118	25,007	16,250	14,652	1,598
Other personal services	2,218	10,138	2,095	3,144	3,246	2,892	354
Business services:							
Adjustment and credit bureaus, and collection agencies	2,873	43,663	1,642	17,968	22,326	21,839	487
Auctioneers' establishments (service only)	725	3,150	756	1,020	724	577	147
Billboard advertising service	491	26,897	250	5,324	8,038	7,655	383
Blueprinting and photostat laboratories	371	6,216	285	1,673	2,016	1,980	36
Coin-operated machine rental and repair service	723	11,541	695	1,862	2,556	2,493	63

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.
[2] Cleaning and dyeing plants with receipts of less than $5,000 are included. For statistics for cleaning and dyeing plants with receipts of $5,000 or more, see table 885.
[3] For power laundries, see table 886.
[4] Includes establishments engaged primarily in cleaning rugs, if receipts from such services are less than $5,000 (see table 885 for establishments with receipts of $5,000 or more).

No. 883.—Service Establishments—Summary, by Service Groups and Kind of Service: 1935—Continued

KIND OF SERVICE	Number of establishments	Receipts (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	PAY ROLL (THOUSANDS OF DOLLARS)		
					Total	Full-time	Part-time
Business services—Continued.							
Court reporting and public stenographic agencies	1,193	3,606	1,233	931	1,127	893	234
Dental laboratories	1,800	17,990	1,806	5,061	6,224	6,076	148
Disinfecting and exterminating service	596	6,407	477	2,300	2,852	2,601	251
Duplicating, addressing, mailing, and mailing list service	1,257	9,813	1,192	4,465	3,864	3,218	646
Employment agencies	1,334	6,477	1,243	1,756	2,370	2,264	115
Freight forwarders and customhouse brokers	757	29,519	383	9,596	13,184	12,768	416
Insurance claim adjustment offices (independently operated)	728	10,223	412	3,017	5,254	4,807	447
Linen, coat, apron, and overall supply service	619	18,129	203	3,784	4,892	4,841	51
Photo finishing laboratories	1,002	8,388	900	2,472	2,439	2,261	178
Sign painting shops	5,035	14,048	5,326	3,754	3,584	2,856	728
Ticket agents and brokers, and travel bureaus	939	12,493	710	2,682	4,513	4,411	102
Title and abstract companies	2,042	22,642	1,170	8,527	11,968	11,544	424
Window cleaning service	749	9,688	701	5,907	6,197	5,626	571
Other business services	6,625	248,772	4,176	92,427	108,953	80,630	28,323
Repair services and custom industries:							
Automotive repairs and services (excluding general repair garages):							
Automobile laundries	907	2,987	877	1,647	972	777	195
Automobile paint shops	1,534	5,525	1,652	1,714	1,552	1,309	243
Automobile radiator shops	1,109	3,850	1,153	919	874	799	75
Automobile rental service	765	15,532	497	3,546	4,378	4,111	267
Automobile storage garages	6,905	68,040	5,853	17,296	17,381	16,601	780
Automobile top and body repair shops	5,501	32,611	5,922	10,213	10,672	9,614	1,058
Battery and ignition repair shops	2,377	8,487	2,467	1,559	1,338	1,221	117
Parking lots	4,341	18,751	3,127	5,704	4,428	4,084	344
Tire repair shops	2,065	6,490	2,101	1,144	927	833	94
Other automotive repairs	724	5,645	696	1,333	1,629	1,564	65
Other repair services (except apparel and shoes):							
Armature rewinding shops	788	7,637	813	2,102	2,472	2,334	138
Bicycle repair shops	1,313	2,462	1,326	428	265	236	29
Blacksmith shops	20,325	23,454	21,142	4,534	2,829	2,328	501
Electrical appliance repair shops	1,388	5,005	1,456	1,059	910	790	120
Harness and leather goods repair shops	2,603	3,837	2,636	429	247	203	44
Locksmith and gunsmith shops	2,173	4,160	2,222	737	636	580	56
Musical instrument repair shops	459	784	478	110	74	61	13
Piano and organ tuning and repair service	443	652	455	94	86	69	17
Radio repair shops	8,256	14,348	8,661	2,251	1,496	1,237	259
Refrigerator service and repair shops	487	3,290	534	830	922	837	85
Saw and tool sharpening and repair shops	714	1,501	729	315	331	306	25
Typewriter repair shops	500	2,090	534	482	491	461	30
Upholstery and furniture repair shops	7,856	22,124	8,264	5,414	4,654	3,660	994
Watch, clock, and jewelry repair shops	13,069	28,450	13,799	3,311	2,900	2,602	298
Other repair services	10,452	28,441	10,904	6,744	6,602	5,763	839
Custom industries: [5]							
Cabinetmaking shops (incl. woodworking)	2,245	3,950	2,380	811	630	447	183
Cider mills and presses	404	204	451	97	41	26	15
Grist mills	9,318	8,556	9,193	3,516	1,085	849	236
Hemstitching, embroidering, and buttonholing shops	1,035	2,110	1,085	865	612	504	108
Machine shops	2,983	7,251	3,182	1,927	1,548	1,311	237
Mattress renovating and repair shops	920	3,171	949	849	626	558	68
Molasses, sorghum, and sirup mills	1,708	398	1,765	257	50	22	28
Printing and publishing shops	12,640	31,891	13,004	10,259	6,271	5,308	963
Sawmills and planing mills	9,129	14,163	10,319	15,745	4,264	3,152	1,112
Threshing, corn shelling, hay baling, and other agricultural services	22,051	15,745	25,973	9,335	3,272	1,821	1,451
Tinsmith shops	2,318	5,826	2,426	1,407	1,048	745	303
Welding shops	3,448	13,007	3,684	3,180	3,130	2,720	410
Other industries	17,071	48,603	16,814	20,870	13,102	11,713	1,389
Miscellaneous services:							
Landscape gardening and tree surgery service	881	9,165	861	3,525	4,169	3,635	534
Livery stables	248	1,372	226	358	318	305	13
Other miscellaneous services	4,820	47,284	4,406	13,599	17,289	15,617	1,672

[5] Includes custom industries and small manufacturing plants not included in the Census of Manufactures for the reason that the value of the products of such establishments is less than the minimum necessary to be classed as a manufacturing plant.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Service Establishments. Vol. I.

No. 884.—Service Establishments—Summary, by States: 1935

Note.—The census of service establishments covers a heterogeneous group of kinds of business (see table 883) primarily engaged in the sale of service, as distinguished from establishments dealing in merchandise. The professional field, the financial, education, transportation, construction, and diverse other fields of business activity, many of which are covered elsewhere, are not included. Owing to differences in the scope of the 1933 and 1935 censuses of service establishments, the aggregates for 1935 are not comparable with the aggregates for 1933 published in the 1936 issue of the Abstract

[Receipts and pay roll in thousands of dollars]

Division and state	Number of establishments	Receipts (thousands of dollars)	Active proprietors and firm members	Employees (full-time and part-time), average for year	Pay roll (thousands of dollars) [1]		
					Total	Full-time	Part-time
United States	574,708	2,029,302	580,840	634,232	567,517	497,118	70,399
New England	39,649	133,121	39,327	37,541	34,086	29,708	4,378
Maine	3,561	9,551	3,583	2,586	2,112	1,733	379
New Hampshire	2,039	5,603	2,105	1,262	1,017	904	113
Vermont	1,511	3,293	1,561	861	602	515	87
Massachusetts	21,878	77,081	21,747	22,009	20,461	17,675	2,786
Rhode Island	3,206	11,033	3,100	3,210	2,870	2,580	290
Connecticut	7,454	26,560	7,231	7,613	7,024	6,301	723
Middle Atlantic	149,418	662,462	148,984	179,682	191,979	168,778	23,201
New York	86,479	458,474	86,530	121,522	140,014	123,987	16,027
New Jersey	21,790	69,216	21,397	19,541	18,090	15,565	2,525
Pennsylvania	41,149	134,772	41,048	38,619	33,875	29,226	4,649
East North Central	118,289	428,462	120,033	122,009	113,804	102,929	10,875
Ohio	32,004	106,694	32,215	31,944	28,977	26,186	2,791
Indiana	15,354	37,914	16,130	11,871	8,846	7,939	907
Illinois	36,760	172,615	37,108	44,553	46,807	42,918	3,889
Michigan	20,278	71,582	20,325	22,019	19,552	17,672	1,880
Wisconsin	13,893	40,657	14,255	11,622	9,622	8,214	1,408
West North Central	69,472	172,938	72,299	54,237	41,140	36,618	4,522
Minnesota	14,124	37,482	14,694	10,712	8,780	7,760	1,020
Iowa	13,550	30,687	14,526	8,717	6,221	5,489	732
Missouri	18,583	57,460	18,658	20,437	16,535	14,908	1,627
North Dakota	2,576	5,002	2,635	1,272	895	789	106
South Dakota	3,021	5,370	3,215	1,704	1,054	927	127
Nebraska	8,328	17,153	8,906	5,070	3,571	3,171	400
Kansas	9,290	19,784	9,665	6,325	4,084	3,574	510
South Atlantic	50,435	155,694	49,866	68,490	46,550	41,045	5,505
Delaware	1,256	4,052	1,240	1,066	848	755	93
Maryland	7,058	22,743	6,958	7,801	6,594	5,157	1,437
District of Columbia	2,962	19,363	2,705	6,589	6,743	6,468	275
Virginia	6,643	20,732	6,574	9,373	5,992	4,991	1,001
West Virginia	4,760	12,703	4,827	3,775	2,842	2,537	305
North Carolina	8,141	19,877	8,254	10,493	5,941	5,295	646
South Carolina	4,317	9,543	4,291	5,738	2,812	2,443	369
Georgia	9,087	23,541	8,912	13,433	7,315	6,730	585
Florida	6,261	23,140	6,045	10,222	7,463	6,669	794
East South Central	32,664	70,997	33,265	32,770	18,650	16,478	2,172
Kentucky	9,264	20,879	9,577	7,387	4,825	4,340	485
Tennessee	9,967	25,318	10,187	10,936	6,741	6,166	575
Alabama	7,620	16,077	7,563	9,472	4,837	4,068	769
Mississippi	5,813	8,723	5,938	4,975	2,247	1,904	343
West South Central	44,200	126,884	45,138	55,426	38,670	33,804	4,866
Arkansas	5,427	11,206	5,616	5,405	2,905	2,650	255
Louisiana	6,262	21,539	6,206	10,407	7,901	6,290	1,611
Oklahoma	9,735	21,821	9,926	8,936	5,891	5,296	595
Texas	22,776	72,318	23,390	30,678	21,973	19,568	2,405
Mountain	16,860	47,237	17,277	14,343	11,829	10,551	1,278
Montana	2,431	6,678	2,475	1,722	1,576	1,388	188
Idaho	2,524	5,621	2,648	1,807	1,225	1,048	177
Wyoming	1,079	2,825	1,118	773	633	578	55
Colorado	5,466	15,790	5,476	4,980	4,125	3,727	398
New Mexico	1,169	3,590	1,188	1,102	905	834	71
Arizona	1,381	5,112	1,376	1,664	1,468	1,308	160
Utah	2,409	6,229	2,587	1,970	1,547	1,344	203
Nevada	401	1,392	409	325	350	324	26
Pacific	53,671	230,507	54,651	69,734	70,809	57,207	13,602
Washington	8,650	32,691	8,715	9,951	10,148	7,611	2,537
Oregon	5,541	19,289	5,656	6,613	5,865	4,906	959
California	39,480	178,527	40,280	53,170	54,796	44,690	10,106

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Service Establishments, Vol. I.

No. 885.—Power Laundries, Cleaning and Dyeing Establishments, and Rug-Cleaning Establishments—Summary: 1919 to 1935

NOTE.—**All money figures in thousands of dollars.** Statistics cover establishments reporting receipts of $5,000 or more. Data for power laundries relate to commercial laundries. Data for cleaning and dyeing establishments are restricted to establishments using mechanical power; they include cleaning and dyeing departments of laundries where separate data could be obtained. Rug-cleaning, which was given a separate classification beginning with 1933, was treated in general as an activity of the power laundry industry at prior censuses; statistics include rug-cleaning departments of laundries and of cleaning and dyeing plants so far as they were reported separately. Data for 1933 are incomplete, as about 15 percent of the laundries and 24 percent of the cleaning and dyeing establishments that had reported for 1931 failed to supply any information as to their status or activities in 1933. The laundries that failed to report accounted for around 8 percent of the 1931 totals for number of wage earners and receipts for work done for all laundries, while the cleaning and dyeing establishments that did not report accounted for about 15 percent of the 1931 totals for these two items for cleaning and dyeing establishments

	Number of laundries	Proprietors and firm members	Salaried employees [1]	Wage earners (average for the year)	Salaries [1]	Wages	Cost of supplies, fuel, and purchased electric energy	Cost of contract work	Receipts for work done
Power laundries:									
1919	4,881	(2)	(2)	130,489	(2)	91,920	52,842	1,555	233,816
1925	4,859	3,851	15,412	169,200	31,613	162,466	55,407	1,107	362,295
1927	6,013	5,224	17,828	203,216	35,781	201,132	68,283	(3)	454,034
1929	6,776	5,220	21,964	233,187	49,833	228,861	80,265	(3)	541,158
1931	6,400	(2)	(2)	217,138	(2)	202,197	67,267	2,372	465,969
1933	5,122	3,416	13,767	175,545	17,858	126,838	47,706	1,971	295,041
1935	6,316	4,244	19,920	208,354	34,586	154,791	62,796	2,356	[4]369,452
Cleaning and dyeing establishments:									
1919	1,748	(2)	(2)	18,408	(2)	17,866	11,511	461	53,183
1925	2,406	2,263	5,769	29,386	10,550	37,590	15,188	814	102,304
1927	3,175	3,106	7,332	40,251	14,474	52,542	18,829	1,340	142,814
1929	5,296	4,912	9,244	59,148	20,390	75,931	26,837	(3)	201,255
1931	4,568	(2)	(2)	50,643	(2)	57,829	20,250	1,234	147,514
1933	3,594	3,090	4,981	43,619	5,048	36,894	15,470	695	93,314
1935	5,510	4,980	9,334	57,286	12,483	49,792	21,656	1,129	[4]130,657
Rug-cleaning establishments:									
1933	270	250	146	1,596	186	1,404	772	28	4,400
1935	508	395	670	2,344	1,136	2,260	1,211	90	[4]8,001

[1] Figures for 1933 exclude data for salaried officers of corporations included in figures for other years.
[2] Not available.
[3] Included in figures for supplies, fuel, and purchased electric energy.
[4] Figures for power laundries include $876,000 receipts for rug cleaning and $25,574,000 receipts for cleaning and dyeing; figures for cleaning and dyeing establishments include $1,083,000 receipts for rug cleaning and $1,395,000 receipts for laundry work; figures for rug-cleaning establishments include $173,000 receipts for cleaning and dyeing.

Source: Department of Commerce, Bureau of the Census; reports of Biennial Census of Manufactures. The 1933 figures were collected in cooperation with the Laundry Owners National Association and the National Association of Dyers and Cleaners.

No. 886.—Hotels—Summary for Hotels With 25 or More Guest Rooms, 1929, 1933, and 1935, and for All Hotels, by Size, 1935

NOTE.—**Receipts and pay roll in thousands of dollars.** The census includes principally establishments designating themselves as hotels and providing accommodations as their major business activity. Establishments reporting a total of less than six guest rooms or receipts from room rentals amounting to less than $500 for a full year's operations, are excluded from the 1935 figures. Owing to differences in coverage for 1929, 1933, and 1935, comparable data for these years are available only for year-round hotels of 25 or more guest rooms

ITEM	1929	1933	1935
YEAR-ROUND HOTELS WITH 25 OR MORE GUEST ROOMS [1]			
Number of hotels	11,873	10,680	11,373
Number of guest rooms	1,005,084	890,866	934,661
Receipts	873,508	308,674	565,317
Employees (full-time and part-time).[2]	267,903	190,183	234,491
Total pay roll [3]	232,137	118,489	158,400

SIZE (BASED ON NUMBER OF GUEST ROOMS)	Number	Receipts	Proprietors, etc.[4]	Employees [5]
All hotels, 1935	**28,822**	**720,145**	**24,573**	**291,185**
Hotels having				
Less than 25 rooms	13,092	54,671	12,912	22,365
25 to 49 rooms	8,352	99,810	7,741	30,534
50 to 99 rooms	4,436	96,619	3,084	40,389
100 to 299 rooms	2,423	212,836	813	88,682
300 rooms and over	519	286,209	23	109,195

[1] Data for California are not included as comparable figures for all years are not available.
[2] Average number based on number of employees for April, July, October, and December.
[3] Includes no compensation for proprietors and firm members of unincorporated businesses.
[4] Active proprietors and firm members. [5] Full-time and part-time, average for year.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Hotels.

No. 887.—Hotels—Summary, by States: 1935

NOTE.—Receipts and pay roll in thousands of dollars. See headnote, table 886

DIVISION AND STATE	Number of establishments	Number of guest rooms	Receipts	Active proprietors and firm members	Employees (full-time and part-time), average for year	Total pay-roll [1]	ANALYSIS OF RECEIPTS				
							Hotels reporting	Total receipts [2]	Receipts from —		
									Room rentals and sale of meals [3]	Sale of beverages	Sale of merchandise
United States	**25, 822**	**1, 428, 646**	**720, 145**	**24, 573**	**291, 165**	**191, 845**	**27, 971**	**695, 210**	**563, 747**	**72, 082**	**11, 727**
Year-round hotels	25, 452	1, 278, 012	674, 896	21, 612	276, 006	183, 008	24, 796	652, 349	524, 846	70, 405	10, 945
Seasonal hotels	3, 370	150, 634	45, 249	2, 961	15, 159	8, 837	3, 175	42, 861	38, 901	1, 677	782
New England	**1, 935**	**83, 740**	**48, 368**	**1, 589**	**19, 076**	**12, 639**	**1, 850**	**46, 922**	**36, 381**	**7, 344**	**801**
Maine	532	20, 846	7, 681	465	3, 013	1, 654	515	7, 611	6, 497	552	177
New Hampshire	365	12, 065	4, 245	328	1, 840	984	344	3, 642	3, 276	227	65
Vermont	157	5, 730	3, 040	126	1, 293	685	152	2, 921	2, 263	473	84
Massachusetts	530	29, 387	23, 928	404	9, 180	6, 660	505	23, 636	17, 392	4, 597	356
Rhode Island	87	4, 266	3, 298	59	1, 288	993	81	3, 155	2, 208	754	26
Connecticut	264	11, 446	6, 176	207	2, 462	1, 663	253	5, 957	4, 745	741	93
Middle Atlantic	**4, 325**	**294, 097**	**212, 589**	**3, 559**	**77, 019**	**56, 613**	**4, 099**	**201, 550**	**155, 257**	**29, 419**	**2, 301**
New York	2, 207	188, 303	146, 261	1, 748	50, 728	41, 785	2, 127	137, 203	105, 424	19, 844	1, 107
New Jersey	948	49, 431	26, 989	791	9, 919	6, 407	879	26, 358	22, 157	2, 621	207
Pennsylvania	1, 170	56, 363	39, 339	1, 020	16, 372	10, 421	1, 093	37, 989	27, 676	6, 954	987
East North Central	**4, 034**	**253, 464**	**134, 044**	**3, 238**	**57, 916**	**39, 979**	**3, 898**	**131, 439**	**101, 937**	**16, 236**	**2, 739**
Ohio	859	52, 927	32, 064	693	14, 681	9, 681	839	31, 582	24, 371	4, 374	499
Indiana	502	25, 188	11, 237	404	5, 307	3, 030	491	11, 171	9, 025	1, 077	293
Illinois	1, 210	102, 113	53, 991	888	22, 179	17, 890	1, 184	53, 050	40, 863	5, 989	1, 141
Michigan	836	47, 872	23, 144	707	9, 940	6, 169	803	22, 719	17, 691	2, 802	400
Wisconsin	627	25, 364	13, 608	546	5, 719	3, 209	581	12, 917	9, 987	1, 934	406
West North Central	**3, 530**	**144, 277**	**62, 241**	**3, 097**	**26, 921**	**15, 122**	**3, 447**	**60, 643**	**50, 166**	**5, 380**	**1, 488**
Minnesota	794	35, 032	16, 074	698	6, 557	3, 884	776	15, 960	12, 691	1, 945	388
Iowa	506	21, 470	8, 505	448	3, 717	1, 960	499	7, 608	6, 477	484	199
Missouri	906	42, 974	20, 279	742	9, 353	5, 557	880	20, 121	16, 382	1, 916	434
North Dakota	254	7, 616	2, 477	232	977	476	248	(4)	(4)	(4)	(4)
South Dakota	191	6, 567	2, 234	181	844	429	186	(4)	(4)	(4)	(4)
Nebraska	364	14, 265	7, 056	326	2, 821	1, 546	352	6, 864	5, 077	579	221
Kansas	515	16, 353	5, 616	470	2, 652	1, 270	500	5, 521	4, 994	122	122
South Atlantic	**3, 159**	**144, 059**	**79, 038**	**2, 530**	**33, 443**	**18, 993**	**3, 069**	**76, 310**	**66, 071**	**4, 100**	**1, 160**
Delaware	33	1, 253	1, 186	29	442	267	32	(4)	802	272	5
Maryland	217	9, 177	6, 267	185	2, 719	1, 600	205	6, 251	4, 546	1, 192	141
Dist. of Col	76	12, 033	15, 544	38	5, 017	4, 500	75	(4)	12, 461	1, 452	195
Virginia	410	17, 011	10, 091	331	4, 778	2, 422	398	9, 978	8, 549	291	342
West Virginia	282	11, 720	5, 619	237	2, 755	1, 535	273	5, 563	4, 796	172	130
North Carolina	391	16, 660	7, 469	306	4, 019	1, 838	380	6, 858	6, 419	92	51
South Carolina	203	7, 654	3, 435	161	1, 864	767	198	3, 267	3, 074	57	39
Georgia	374	16, 158	7, 666	313	4, 301	1, 762	365	7, 250	6, 560	143	67
Florida	1, 173	52, 393	21, 761	930	7, 548	4, 212	1, 143	20, 550	18, 864	429	190
East South Central	**1, 162**	**46, 053**	**22, 859**	**996**	**12, 477**	**5, 344**	**1, 140**	**22, 442**	**19, 770**	**734**	**433**
Kentucky	355	12, 033	6, 757	313	3, 487	1, 711	350	6, 642	5, 581	523	163
Tennessee	369	15, 704	8, 857	314	4, 525	1, 928	362	8, 806	7, 662	167	200
Alabama	248	9, 728	4, 223	210	2, 656	998	244	4, 211	3, 930	5	46
Mississippi	190	7, 928	3, 022	159	1, 809	707	184	2, 783	2, 597	39	24
West South Central	**3, 079**	**110, 102**	**46, 363**	**2, 757**	**21, 651**	**11, 005**	**3, 005**	**44, 371**	**38, 390**	**1, 405**	**939**
Arkansas	351	11, 786	4, 622	310	2, 388	948	342	4, 553	3, 957	132	148
Louisiana	284	11, 389	7, 580	242	3, 488	1, 905	282	(4)	(4)	(4)	(4)
Oklahoma	720	24, 774	7, 177	671	3, 663	1, 831	701	6, 456	5, 805	104	123
Texas	1, 724	62, 153	26, 984	1, 534	12, 117	6, 321	1, 680	(4)	(4)	(4)	(4)
Mountain	**2, 456**	**85, 743**	**26, 710**	**2, 253**	**11, 151**	**7, 223**	**2, 389**	**27, 664**	**24, 291**	**1, 521**	**611**
Montana	476	15, 778	4, 476	442	1, 601	1, 077	470	4, 419	3, 780	320	147
Idaho	280	8, 570	2, 744	257	962	585	273	2, 684	2, 350	101	92
Wyoming	203	7, 317	2, 296	191	695	483	197	2, 259	2, 002	159	48
Colorado	696	25, 788	7, 682	652	3, 249	1, 950	675	7, 020	6, 184	376	144
New Mexico	218	6, 627	2, 542	197	1, 129	753	211	2, 463	2, 320	58	49
Arizona	239	9, 145	4, 336	203	1, 755	1, 213	232	4, 315	3, 701	307	91
Utah	208	8, 072	2, 884	187	1, 256	756	206	2, 865	2, 520	59	33
Nevada	136	4, 446	1, 750	124	504	397	125	1, 633	1, 425	141	7
Pacific	**5, 142**	**267, 111**	**85, 933**	**4, 554**	**31, 511**	**23, 017**	**5, 074**	**83, 869**	**71, 484**	**5, 943**	**1, 255**
Washington	1, 017	49, 798	13, 076	936	5, 380	3, 436	1, 002	12, 120	10, 834	496	248
Oregon	553	25, 557	6, 826	508	2, 628	1, 674	543	6, 725	6, 131	186	103
California	3, 572	191, 756	66, 031	3, 110	23, 503	17, 907	3, 529	65, 024	54, 519	5, 261	904

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.
[2] Total includes miscellaneous receipts not shown separately, amounting to $47,654,000 for United States.
[3] 9,029 hotels with total receipts of $505,335,000 reported room rentals and sales of meals separately, as follows: Rentals, $231,568,000; meals, $162,322,000.
[4] Figures withheld to avoid disclosing operations of individual seasonal hotels.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Hotels.

No. 888.—Advertising Agencies—Summary: 1935

Note.—All money figures in thousands of dollars. Only those establishments that contract for space or other advertising media and place the advertising for the client on a commission or fee basis are included

Items	Total	Agencies reporting— Billings in detail	Total billings only	No billings	Size-of-billings group (in thousands of dollars)	Number of companies	Ratios by size of billings groups: Percent of total revenue	Percent pay roll is of revenue	Percent revenue is of billings
Number of establishments	1,212	918	174	120	Total	978	100.0	58.3	15.1
Number of companies	1,089	820	158	111					
Revenue receipts	70,840	60,801	7,636	2,403					
Active proprietors and firm members	583	444	73	66	Billings—				
Employees (average)	13,039	10,947	1,564	528	Under 500	867	24.2	57.2	18.4
Total pay roll [1]	41,186	35,518	4,403	1,265	500 to 1,000	41	6.5	65.5	15.5
Part-time	331	267	45	19	1,000 to 2,000	31	9.8	64.5	15.1
Total operating expenses [1]	61,643	52,818	6,685	2,140	2,000 to 5,000	24	15.3	62.6	14.3
Total billings	(3)	[4] 405,888	46,377	(3)	Over 5,000	15	44.2	55.0	14.1

[1] Includes no compensation for proprietors and firm members of unincorporated businesses.
[2] Including pay roll. [3] Not available.
[4] Distribution of billings by type of media: Newspapers, $153,152,000; general magazines, including agricultural and religious papers, $107,320,000; trade and merchandising, industrial, and class and professional papers, $15,758,000; radio networks, spot broadcasting, and radio talent (not billed through broadcasting systems), $63,307,000; car cards, outdoor advertising, window display (through organizations), and other media billings, $23,109,000; direct mail advertising, $4,118,000; art and mechanical charges, $26,124,000; all other, $12,990,000.

No. 889.—Radio Broadcasting—Summary: 1935

Note.—Figures cover only those radio stations and networks that sell time

	Number of networks or stations	Net revenue (thousands of dollars): Total	From sale of time: Total	National and regional: Network	National and regional: Non-network	Local advertising	Employees (full-time and part-time), average for year	Pay roll (thousands of dollars): Total	Full-time	Part-time
Total networks and stations		[1] 86,493	79,618	39,738	13,805	26,074	14,561	26,911		
Networks	8	[1] 30,199	27,216	27,216			[2] 2,001	[2] 5,420		
Commercial broadcast stations	557	56,293	52,325	12,522	13,799	26,004	12,484	21,410	19,719	1,691
Experimental stations	4		77		6	70	76	81	68	13
Commercial broadcast stations by power (in watts) and affiliation										
United States:										
100 or less	238		5,986	218	540	5,228	2,425	2,916	2,757	159
101 to 999	131		8,466	1,371	1,366	5,729	2,406	3,623	3,389	234
1,000 to 4,999	126		16,702	4,242	3,546	8,914	4,023	7,077	6,401	676
5,000 to 9,999	16		1,902	6,691	8,347	1,065	509	880	800	80
10,000 to 49,999	13		2,298			883	408	751	696	55
50,000 and over	33		16,971			4,185	2,713	6,163	5,676	487
Network affiliation	194		38,999	12,522	11,893	14,584	7,265	14,380	13,161	1,219
100 or less	17		885	218	110	557	231	255	241	14
101 to 999	42		4,770	1,371	911	2,488	766	1,767	1,674	93
1,000 to 4,999	77		12,942	4,242	2,964	5,736	2,770	4,911	4,418	493
5,000 and over	58		20,402	6,691	7,908	5,803	3,498	7,447	6,828	619
No network affiliation	363		13,326		1,906	11,420	5,219	7,030	6,558	472
100 or less	221		5,101		430	4,671	2,194	2,661	2,516	145
101 to 999	89		3,696		455	3,241	1,640	1,856	1,715	141
1,000 to 4,999	49		3,760		582	3,178	1,253	2,166	1,983	183
5,000 and over	4		769		439	330	132	347	344	3

[1] Includes net revenue from sale of talent and other sources, not shown separately, as follows: Total, $6,875,000; networks, $2,983,000; broadcast stations, $3,892,000 including $2,598,000 from sale of talent and $1,294,000 from other sources.
[2] Data for five networks. The other three networks allocated their personnel to affiliated stations.

Source of tables 888 and 889: Department of Commerce, Bureau of the Census; Census of Business, 1935, Advertising Agencies and Radio Broadcasting.

34. CONSTRUCTION AND HOUSING

No. 890.—Construction Contracts Awarded in 37 States—Value of Construction and Floor Space of Buildings, by Class of Construction: 1925 to 1939

Note.—For State figures, see table 891. Public works and public utilities cover some projects not measurable in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varying number of States for earlier years have been published in the 1932 and previous issues of the Statistical Abstract. Figures for the individual States and districts in table 891 represent the value of construction contracts awarded in the States and districts where the work was actually done

[Values in millions and tenths of millions of dollars; floor space in thousands of square feet]

YEAR	Total	Residential	Commercial [1]	Industrial [2]	Public works	Public utilities [1 2]	Educational	Hospital and institutional	Public buildings	Religious	Social and recreational	Miscellaneous nonresidential
Value of construction:												
1925	6,006.4	2,747.7	872.4	326.6	653.9	403.0	418.7	111.1	54.5	153.1	253.0	12.4
1926	6,380.9	2,671.1	920.9	471.3	779.6	512.5	372.7	133.1	67.2	148.8	251.5	52.2
1927	6,303.1	2,573.3	932.9	375.9	972.9	318.3	368.9	162.5	79.5	156.5	260.9	101.5
1928	6,028.3	2,788.3	884.6	508.8	984.4	417.4	390.0	164.7	76.2	127.9	218.8	67.9
1929	5,750.8	1,915.7	920.2	545.9	940.1	469.6	369.6	152.2	120.3	100.1	146.6	54.9
1930	4,523.1	1,101.3	616.3	256.6	969.6	620.8	366.2	163.1	139.8	92.8	110.6	70.9
1931	3,092.8	811.4	311.1	116.2	880.9	259.9	223.4	121.2	181.3	53.1	98.7	35.8
1932	1,351.2	280.1	122.7	43.5	521.1	62.4	80.7	48.4	118.0	27.3	33.9	13.2
1933	1,255.7	249.3	99.4	127.5	504.5	84.5	38.9	37.3	50.9	17.7	27.2	18.7
1934 [3]	1,543.1	248.8	150.6	116.1	631.6	111.5	112.3	37.3	55.7	18.3	46.2	14.7
1935	1,844.5	478.8	164.5	108.9	589.1	95.7	168.3	47.1	97.8	23.7	54.9	16.0
1936	2,675.3	801.6	249.1	198.0	721.8	192.1	219.0	74.1	102.2	28.3	74.9	14.2
1937	2,913.1	905.3	297.0	313.7	588.7	262.9	223.2	81.8	104.9	36.9	83.8	14.8
1938	3,106.9	985.8	215.8	121.1	850.2	288.8	334.1	115.6	114.1	35.8	108.0	27.7
1939	3,550.5	1,384.3	246.9	174.8	961.7	280.0	201.4	82.9	110.0	38.4	82.2	28.9
Floor space of buildings:												
1925	936,220	559,499	160,066	66,901	3,040	11,358	60,543	14,037	8,294	18,870	32,261	1,357
1926	883,704	521,062	152,357	75,705	596	6,412	53,757	14,790	7,857	16,370	30,434	4,464
1927	850,578	494,566	141,815	68,131	918	4,535	53,917	18,802	9,943	17,192	33,520	7,240
1928	966,558	568,382	159,102	92,902	609	3,496	61,490	20,004	11,288	15,398	28,012	5,785
1929	791,099	387,670	161,264	105,524	460	5,353	58,639	19,496	12,626	12,818	21,457	5,802
1930	510,382	230,040	96,586	48,019	826	7,611	56,955	19,121	17,023	10,864	16,089	7,248
1931	365,841	190,274	50,037	20,109	496	4,550	36,598	16,880	24,257	5,578	14,018	3,044
1932	155,577	73,607	23,884	9,048	575	1,219	13,710	7,319	16,198	3,518	5,535	964
1933	147,053	72,783	22,551	18,985	170	1,491	5,523	5,598	9,474	2,633	5,606	2,239
1934	152,394	64,255	28,261	17,566	292	1,804	16,775	4,222	9,425	2,650	6,532	612
1935	251,558	135,416	35,391	20,638	915	1,077	26,046	6,176	13,522	3,534	7,909	934
1936	409,676	222,514	57,178	40,291	1,038	3,360	41,985	10,369	14,282	4,312	12,852	1,495
1937	446,084	235,515	62,283	60,816	1,301	5,197	36,489	11,411	12,464	5,730	13,544	1,334
1938	429,028	240,568	41,789	25,247	1,038	1,682	57,023	17,235	15,564	5,303	17,691	5,893
1939	513,380	332,650	48,798	44,208	607	1,324	34,418	11,593	15,121	6,213	12,371	6,020

[1] Owing to change in classification, data for airports have been excluded from "Commercial" class and included with "Public utilities" for 1930 and subsequent years. Separate figures for airports are not available for years prior to 1930.

[2] Owing to change in classification, figures for "Industrial" class exclude data for pipe lines for 1929 and subsequent years (separate figures not available for years prior to 1929), which data are included with those for "Public utilities."

[3] Figures exclude data for 23 projects, valued at $20,551,900, for which data by class of construction are not available. These projects were under Civil Works Program, which was not in existence after March 1934.

Source: The F. W. Dodge Corporation, New York, N. Y.; Statistical and Research Division, historical record. Figures published currently in Statistical Research Service.

No. 891.—Construction Contracts Awarded in 37 States—Value, by Districts and States: 1932 to 1939

Note.—Value in thousands of dollars. See headnote, table 890

District and State	1932	1933	1934	1935	1936	1937	1938	1939
Total (37 States)	1,351,159	1,255,709	1,543,109	1,844,546	2,675,298	2,913,060	3,196,928	3,550,543
New England	114,053	120,696	144,861	148,040	215,364	199,587	255,210	255,223
Maine	8,747	6,336	7,541	9,774	10,419	9,201	15,517	8,193
New Hampshire	4,079	5,627	7,038	4,791	7,559	7,994	11,347	12,354
Vermont	4,318	5,927	5,835	7,663	7,745	7,341	6,884	7,213
Massachusetts	64,101	62,123	82,317	83,589	115,364	100,298	126,063	126,990
Rhode Island	6,348	8,822	12,105	9,931	19,723	11,630	22,316	23,692
Connecticut	26,461	31,862	30,026	32,291	54,554	63,122	73,083	76,781
Metropolitan New York and vicinity	190,678	176,618	206,498	302,246	417,988	499,157	587,703	547,176
New York (New York City to Newburgh)[1]	138,229	133,011	163,158	240,272	316,967	407,539	495,401	431,158
New Jersey (Northern)	52,449	43,607	43,339	61,973	101,021	91,619	92,302	116,018
Upstate New York[2]	75,955	76,671	62,414	63,763	120,460	116,444	127,026	138,691
Middle Atlantic	227,615	136,101	[3] 191,018	228,157	321,060	377,968	364,762	433,455
Pennsylvania (Eastern)	83,837	52,609	66,244	70,090	128,413	138,501	133,917	158,572
New Jersey (Southern)	12,495	10,205	20,218	17,457	28,031	25,638	19,860	24,738
Maryland	34,995	24,238	33,601	41,197	52,113	70,008	72,528	80,833
Delaware	6,418	4,975	7,558	6,715	13,740	9,704	11,375	13,635
District of Columbia	68,487	18,978	23,238	51,676	55,315	65,444	46,437	77,175
Virginia	21,383	25,096	40,158	41,023	43,449	68,674	80,645	78,502
Pittsburgh	151,612	146,866	[3] 200,085	216,567	284,556	386,089	382,479	553,101
Pennsylvania (Western)	34,883	24,447	37,405	47,960	67,521	112,148	92,469	104,837
West Virginia	14,599	9,650	46,193	21,376	22,403	24,459	34,610	36,511
Ohio	81,479	84,921	95,432	119,118	163,039	205,549	195,457	244,587
Kentucky	20,652	27,848	21,055	28,105	31,593	43,933	59,934	107,166
Southeastern	88,260	127,033	155,184	178,594	287,504	264,972	288,357	373,123
North Carolina	12,507	19,655	34,373	32,050	51,790	55,741	61,638	68,402
South Carolina	7,059	6,252	15,079	18,493	32,272	34,039	34,814	41,077
Georgia	21,303	15,194	28,684	35,598	40,134	32,946	50,847	64,837
Florida	19,292	28,727	41,823	53,843	72,674	86,913	74,729	92,223
Tennessee (Eastern)	11,935	31,442	14,003	20,227	42,430	26,303	31,769	64,232
Alabama	10,503	25,762	21,223	18,383	48,204	29,030	34,560	42,352
Chicago	152,842	121,885	176,174	228,821	322,240	307,824	319,294	395,384
Illinois (Northern)	66,649	55,489	80,826	102,810	143,974	137,384	119,954	191,559
Indiana	25,769	29,590	41,023	46,281	70,257	69,037	78,071	87,155
Iowa	25,352	18,254	28,151	39,542	46,857	44,001	57,213	55,206
Wisconsin (South and East)	35,071	18,553	26,174	40,187	61,153	57,402	63,456	61,464
Central Northwest	61,516	44,072	58,599	64,553	89,388	92,387	93,669	100,916
Minnesota	36,881	25,315	29,588	34,757	53,377	54,739	56,779	69,446
North Dakota	7,620	2,948	6,918	6,727	10,626	6,877	8,258	8,364
South Dakota	4,216	6,258	8,262	8,237	8,754	9,498	9,945	7,696
Michigan (No. Peninsula)	3,897	2,817	4,834	8,623	6,003	8,220	7,827	5,898
Wisconsin (North and West)	8,904	6,733	8,998	6,208	10,629	13,053	10,860	9,512
Southern Michigan (South Peninsula)	41,715	47,969	54,842	88,740	136,535	163,976	191,541	155,998
St. Louis	81,771	80,303	95,504	114,128	177,831	154,607	187,429	196,930
Illinois (Southern)	27,705	23,052	36,882	33,262	54,210	60,702	74,861	78,380
Missouri (Eastern)	38,317	34,845	29,607	51,414	59,169	64,825	70,454	71,242
Arkansas	11,327	17,550	22,212	22,783	29,128	17,777	27,683	20,172
Tennessee (Western)	4,422	4,856	6,802	6,669	35,324	11,304	14,431	18,136
Kansas City	76,681	73,751	77,746	90,906	121,185	126,137	139,083	127,930
Kansas	23,788	16,368	14,303	24,856	39,857	37,417	35,431	35,478
Oklahoma	21,065	20,257	21,270	31,872	31,726	36,111	46,853	34,413
Nebraska	14,659	18,357	23,278	16,959	21,472	28,567	32,126	33,938
Missouri (Western)	17,169	18,768	18,805	17,219	28,131	24,041	24,673	24,101
Texas (State only)	56,233	59,652	64,282	69,002	110,240	132,118	168,550	179,337
New Orleans	37,227	44,093	55,902	51,080	70,946	91,794	91,825	93,279
Louisiana	22,594	34,745	40,395	36,069	34,591	62,919	56,931	61,677
Mississippi	14,633	9,348	15,507	14,961	36,355	28,875	34,894	31,602
Totals for States in more than one district:								
New Jersey	64,944	53,813	63,557	79,430	129,052	117,256	112,162	140,756
New York	214,184	209,682	225,572	304,035	437,426	523,982	622,427	569,849
Pennsylvania	118,721	77,055	103,649	118,059	195,933	250,649	226,386	263,409
Tennessee	16,358	36,298	20,805	26,896	77,755	37,607	46,200	82,368
Illinois	94,354	78,541	117,709	136,072	198,184	198,085	194,815	269,939
Wisconsin	43,975	25,286	35,172	46,396	71,781	70,455	74,316	70,976
Missouri	55,486	53,613	48,412	68,633	87,300	88,866	95,127	95,343
Michigan	45,612	50,787	59,676	97,363	142,537	172,196	199,368	161,896

[1] New York City, Long Island, and Westchester, Orange, Putnam, and Rockland Counties, N. Y.
[2] All counties north of Orange, Putnam, and Rockland.
[3] Excludes value of projects under Civil Works Program: Middle Atlantic, $28,668,900; Pittsburgh, $883,000.

Source: The F. W. Dodge Corporation, New York, N. Y.; figures published currently in Statistical Research Service.

No. 892.—Construction Contracts Awarded in 37 States—Value, by Public and Private Ownership, and Floor Space, by Months: 1936 to 1940

Note.—See headnote, table 890

Month	Value (thousands of dollars)									
	Total					Public ownership				
	1936	1937	1938	1939	1940	1936	1937	1938	1939	1940
Total	2,675,288	2,913,060	3,196,928	3,550,543		1,334,230	1,151,943	1,704,720	1,708,239	
January	214,793	242,719	192,231	251,673	196,191	149,192	112,237	117,601	147,916	92,532
February	140,419	188,257	118,945	220,197	200,574	78,831	69,381	51,054	110,975	81,666
March	198,762	231,246	220,918	300,661	272,178	96,110	66,355	94,597	127,776	94,971
April	234,632	209,534	222,016	330,030	300,504	104,559	74,164	99,219	159,656	103,450
May	216,071	243,738	283,156	308,487	328,914	94,401	92,526	143,700	134,757	111,578
June	232,665	317,742	251,006	288,316	324,726	116,390	137,458	107,777	127,595	147,316
July	204,735	321,603	239,799	209,883	398,673	153,302	130,776	97,838	136,543	204,568
August	275,281	281,217	313,141	312,328	414,941	153,018	103,641	171,099	158,459	195,293
September	234,272	207,072	300,900	323,227	347,651	115,560	79,624	160,125	144,216	143,996
October	225,768	202,081	357,698	261,796		101,231	77,889	203,359	91,604	
November	208,204	198,401	301,679	209,847		89,086	92,889	178,948	143,647	
December	199,696	209,450	389,439	354,098		82,460	115,053	279,403	225,095	

Month	Value (thousands of dollars)—Continued					Floor space of buildings (thousands of square feet)				
	Private ownership									
	1936	1937	1938	1939	1940	1936	1937	1938	1939	1940
Total	1,341,068	1,761,117	1,492,208	1,842,304		409,676	446,084	429,028	513,380	
January	65,601	130,482	74,630	103,757	103,659	27,053	33,442	19,200	34,511	28,282
February	61,588	118,876	67,801	109,222	118,908	20,857	28,942	18,904	32,055	31,598
March	102,652	164,891	132,321	172,885	177,207	31,258	41,569	34,055	48,733	45,705
April	130,073	195,370	122,797	170,374	197,054	37,468	48,240	32,569	45,102	50,263
May	121,580	151,212	139,456	173,730	217,336	36,363	40,222	34,760	45,488	53,347
June	116,275	180,284	143,229	160,721	177,410	36,881	46,302	35,882	43,115	51,736
July	141,433	190,827	141,961	163,340	194,105	38,763	45,812	33,308	44,903	59,824
August	122,263	177,576	142,042	153,809	219,648	40,285	40,880	38,527	43,606	62,903
September	118,712	127,448	140,775	179,011	203,655	35,448	32,354	37,528	49,570	65,085
October	124,537	124,242	154,339	170,192		36,719	30,266	50,609	45,176	
November	119,118	105,512	122,731	156,200		34,948	29,337	45,138	46,547	
December	117,236	94,307	110,036	129,003		33,633	28,718	48,548	34,424	

Source: The F.W. Dodge Corporation, New York, N. Y.; Statistical and Research Division, historical record. Figures published currently in Statistical Research Service.

No. 893.—Construction Contracts Awarded—Indexes of Value: 1919 to 1940

Note.—1923-25 average=100. Indexes are derived from monthly figures of construction contracts awarded reported by the F. W. Dodge Corporation. Reports covered 37 States beginning with May 1924 and a varying number for earlier years. In order to obtain comparable figures from 1919 to date, the total value of construction contracts awarded in 37 States was estimated for January 1919 through April 1924. Seasonal adjustments were computed separately for "residential" and "all other" types of construction and the two series combined. The indexes are based on a 3-month moving average, centered at the middle month. For a more detailed description of the indexes, see the Federal Reserve Bulletin for July 1931

Year	Total	Residential	All other	Year and month	Total	Residential	All other	Year and month	Total	Residential	All other
1919	63	44	79	1938:				1939—Con.			
1920	63	30	90	January	52	26	73	April	67	58	74
1921	56	44	65	February	51	32	66	May	63	55	68
1922	79	68	88	March	46	33	56	June	63	58	67
1923	84	81	86	April	52	37	65	July	67	62	71
1924	94	95	94	May	51	37	62	August	73	67	78
1925	122	124	120	June	54	42	64	September	73	68	76
1926	129	121	135	July	59	49	68	October	76	68	82
1927	129	117	139	August	66	53	77	November	83	61	101
1928	135	126	142	September	78	56	96	December	86	60	107
1929	117	87	142	October	82	57	102	1940:			
1930	92	60	125	November	96	56	128	January	75	53	93
1931	63	37	84	December	96	57	128	February	63	56	68
1932	28	13	40	1939:				March	62	57	66
1933	25	11	37	January	86	55	111	April	64	62	66
1934	32	12	48	February	73	58	85	May	64	64	65
1935	37	21	50	March	69	55	80	June	74	69	77
1936	55	37	70								
1937	59	41	74								
1938	64	45	80								
1939	72	60	81								

Source: Board of Governors of the Federal Reserve System; figures published currently in Federal Reserve Bulletin.

No. 894.—Building Permits Issued—Number and Cost of Buildings, for Principal Cities: 1935 to 1939

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. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated. The cities shown had a population of 50,000 or over in 1930

City	Total number of buildings					Estimated cost of buildings (thousands of dollars)				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
Akron, Ohio	1,387	1,781	1,869	1,393	1,878	1,338	2,416	3,350	1,622	3,288
Albany, N. Y.	1,814	2,280	2,377	2,389	2,616	2,121	2,847	3,154	2,994	2,187
Allentown, Pa.	275	370	456	367	787	723	797	1,430	2,188	2,604
Altoona, Pa.	597	554	724	402	651	223	247	649	134	304
Asheville, N. C.	246	605	492	418	420	300	664	723	727	875
Atlanta, Ga.	2,324	2,346	2,148	2,205	4,379	6,622	4,789	4,675	3,956	14,968
Atlantic City, N. J.	845	876	874	721	846	2,186	751	980	910	2,174
Augusta, Ga.	413	476	385	458	1,021	693	766	737	952	2,005
Austin, Tex.	2,219	2,399	2,325	3,127	3,698	5,688	4,773	4,281	6,958	6,774
Baltimore, Md.	8,137	8,730	9,845	9,631	11,645	8,326	14,768	15,166	15,765	16,795
Bayonne, N. J.	269	274	272	252	223	1,502	491	671	924	834
Beaumont, Tex.	1,104	1,152	1,292	1,251	1,462	696	1,108	1,373	1,107	1,695
Berkeley, Calif.	1,077	1,758	2,034	2,049	1,841	1,208	2,520	2,327	3,570	3,133
Bethlehem, Pa.	166	203	272	215	307	301	570	1,325	620	1,252
Binghamton, N. Y.	2,290	1,684	1,323	1,187	1,325	1,149	1,784	1,741	1,508	2,219
Birmingham, Ala.	3,506	4,158	5,204	5,087	7,433	2,335	3,697	2,833	2,732	8,185
Boston, Mass.[1]	6,241	6,370	5,919	5,421	5,221	15,416	17,882	21,947	15,133	19,702
Bridgeport, Conn.	658	783	706	766	2,201	1,153	1,591	2,555	1,489	6,260
Brockton, Mass.	374	344	316	287	309	400	336	606	270	309
Buffalo, N. Y.	2,216	1,899	2,048	2,253	3,008	4,148	7,143	6,483	7,155	13,262
Cambridge, Mass.	678	684	694	665	656	845	2,939	3,600	3,221	2,978
Camden, N. J.	588	1,113	1,049	851	846	1,601	3,391	1,871	711	1,610
Canton, Ohio	628	945	1,519	1,343	1,382	450	927	1,398	1,824	1,677
Cedar Rapids, Iowa	1,521	1,496	1,796	2,036	2,270	979	1,088	1,261	1,654	1,803
Charleston, S. C.	522	570	565	761	1,183	1,507	2,870	1,567	3,952	4,817
Charleston, W. Va.	521	885	1,200	1,203	1,466	1,244	2,065	2,498	2,948	5,386
Charlotte, N. C.	944	1,292	910	789	1,495	1,491	2,741	3,483	2,907	5,699
Chattanooga, Tenn.	3,292	4,243	4,007	3,570	4,139	1,190	2,755	2,754	3,604	5,206
Chester, Pa.	124	98	108	94	126	360	309	381	402	1,850
Chicago, Ill.	4,237	5,670	5,830	5,676	7,699	17,839	35,911	35,957	29,350	52,135
Cicero, Ill.	86	156	249	146	237	200	351	725	555	624
Cincinnati, Ohio	4,415	4,968	6,050	5,281	5,170	9,919	24,039	15,105	12,086	12,372
Cleveland, Ohio	3,549	4,800	4,729	4,567	6,750	12,357	8,887	11,334	7,390	20,802
Columbia, S. C.	542	629	555	495	1,013	1,621	3,177	1,020	1,764	5,237
Columbus, Ohio	1,219	1,674	2,323	2,255	3,050	2,757	5,608	6,086	5,210	11,523
Covington, Ky.	178	205	181	194	472	136	632	787	345	3,055
Dallas, Tex.	3,330	4,304	4,066	4,747	5,009	5,183	11,596	7,534	8,853	10,877
Davenport, Iowa	1,535	1,674	1,625	1,923	2,094	437	854	1,124	1,680	3,369
Dayton, Ohio	769	1,072	1,694	1,536	2,166	1,149	3,029	4,403	3,259	4,752
Decatur, Ill.	271	261	325	250	372	880	870	796	1,577	917
Denver, Colo.	3,470	3,930	4,461	4,848	5,573	5,150	7,552	8,010	8,539	15,434
Des Moines, Iowa	1,102	1,499	1,305	1,640	2,170	2,158	2,623	2,702	3,031	6,028
Detroit, Mich.	10,145	16,617	16,535	17,278	20,279	22,218	43,052	56,543	51,770	62,773
Duluth, Minn.	1,631	1,919	1,735	1,990	1,959	980	1,195	2,197	1,476	1,934
Durham, N. C.	409	459	481	504	412	1,146	1,895	2,297	2,936	2,568
East Chicago, Ind.	224	336	461	248	343	645	564	1,024	1,851	2,309
East Orange, N. J.	1,082	1,239	667	541	573	672	1,595	1,559	1,013	815
East St. Louis, Ill.	282	421	432	395	382	827	373	889	403	859
Elizabeth, N. J.	357	372	389	357	374	587	943	834	1,224	3,711
El Paso, Tex.	462	618	732	717	1,208	1,183	959	1,707	1,700	2,631
Erie, Pa.	533	621	802	705	877	640	747	1,405	1,651	1,342
Evanston, Ill.	233	320	343	364	421	948	2,108	3,022	2,703	2,053
Evansville, Ind.	1,237	1,605	2,140	1,195	1,417	1,119	1,953	3,236	1,370	1,859
Fall River, Mass.	321	311	375	309	731	195	312	569	680	1,850
Flint, Mich.	2,359	3,455	3,866	2,691	3,936	1,451	3,439	3,669	2,503	3,418
Fort Wayne, Ind.	1,079	1,562	1,566	1,136	1,346	1,208	1,793	2,563	2,695	4,017
Fort Worth, Tex.	1,224	2,010	1,918	2,481	3,043	3,312	8,534	7,105	6,349	7,204
Fresno, Calif.	2,044	2,333	2,226	2,644	2,611	2,068	2,155	3,020	2,791	3,566
Galveston, Tex.	1,144	1,136	1,243	1,604	1,574	1,243	1,674	3,792	3,263	1,439
Gary, Ind.	1,359	1,127	1,167	704	1,329	625	1,319	1,788	1,000	2,741
Grand Rapids, Mich.	999	1,530	2,016	1,857	2,384	571	1,676	2,167	1,441	2,613
Greensboro, N. C.	540	908	663	591	834	1,074	1,847	2,121	1,872	2,163

[1] Figures represent applications filed.

No. 894.—Building Permits Issued—Number and Cost of Buildings, for Principal Cities: 1935 to 1939—Continued

City	Total number of buildings					Estimated cost of buildings (thousands of dollars)				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
Hamilton, Ohio	206	331	439	449	478	255	464	771	612	646
Hammond, Ind	1,120	1,415	1,407	1,185	1,173	1,406	3,261	3,255	2,456	2,849
Hamtramck, Mich	385	409	432	342	418	510	416	579	336	624
Harrisburg, Pa	309	379	436	400	484	779	1,268	7,356	1,781	3,431
Hartford, Conn	1,574	1,947	1,640	2,100	1,772	2,635	3,045	6,200	3,971	3,713
Highland Park, Mich	244	250	262	188	227	440	569	1,622	411	850
Hoboken, N. J	390	453	360	445	473	522	497	901	1,194	1,005
Holyoke, Mass	204	162	186	174	148	336	674	423	467	346
Houston, Tex	3,128	4,540	4,683	5,611	6,254	7,339	18,493	18,607	25,052	26,737
Huntington, W. Va	231	343	478	450	844	613	1,519	1,288	1,553	3,877
Indianapolis, Ind	2,268	2,558	2,910	3,120	3,641	6,334	8,260	7,558	9,416	11,233
Irvington, N. J	248	324	290	290	293	446	387	982	521	436
Jackson, Mich	298	359	523	307	382	163	377	586	390	365
Jacksonville, Fla	4,913	4,746	4,414	4,749	4,588	3,107	4,843	5,037	9,528	7,373
Jersey City, N. J	762	795	712	549	621	1,063	9,687	2,847	1,434	5,725
Johnstown, Pa	322	901	704	452	419	123	875	1,315	376	405
Kalamazoo, Mich	620	783	843	758	820	883	1,390	699	2,139	2,251
Kansas City, Kans	367	445	421	377	422	1,924	671	881	2,044	3,681
Kansas City, Mo	1,096	1,022	992	900	1,557	3,926	6,981	5,665	3,185	2,811
Kenosha, Wis	208	431	418	271	409	389	558	569	393	710
Knoxville, Tenn	640	837	914	872	2,337	1,888	2,698	2,086	1,679	4,943
Lakewood, Ohio	237	327	292	290	281	421	740	601	1,168	689
Lancaster, Pa	374	496	508	413	340	695	2,242	1,187	736	655
Lansing, Mich	715	939	866	676	808	1,054	2,174	3,860	1,518	1,764
Lawrence, Mass	321	344	368	292	315	367	908	1,022	630	820
Lincoln, Nebr	1,382	1,554	1,577	1,997	2,404	991	1,078	1,645	1,508	2,896
Little Rock, Ark	1,324	1,200	1,462	1,150	1,603	577	982	1,479	1,902	1,892
Long Beach, Calif	5,621	7,611	8,454	10,326	12,453	6,828	8,083	8,130	11,573	12,066
Los Angeles, Calif	21,559	30,571	32,884	35,563	39,141	32,519	64,105	64,614	70,969	75,637
Louisville, Ky	1,207	1,674	1,452	1,472	2,512	3,262	5,963	4,745	3,944	8,677
Lowell, Mass	411	626	448	362	681	253	553	720	424	2,425
Lynn, Mass	486	585	658	500	499	796	633	1,113	1,986	1,059
Macon, Ga	567	885	835	503	916	291	828	430	446	2,082
Madison, Wis	682	937	1,023	912	997	1,150	1,952	2,428	4,166	5,046
Malden, Mass	276	305	322	411	414	167	667	463	372	1,547
Manchester, N. H	930	891	971	2,178	1,556	390	792	1,354	1,456	1,200
McKeesport, Pa	556	741	967	684	1,015	284	681	603	520	1,561
Medford, Mass	254	261	203	247	250	320	868	559	1,165	416
Memphis, Tenn	2,854	3,040	3,574	3,540	4,978	2,772	10,233	6,589	6,102	10,354
Miami, Fla	6,354	7,753	7,076	6,407	7,887	5,411	13,303	13,670	11,707	16,365
Milwaukee, Wis	4,119	5,329	5,242	4,437	5,522	7,405	11,699	13,964	6,552	10,449
Minneapolis, Minn	3,974	4,701	5,067	4,620	5,121	4,772	7,533	10,683	7,852	18,083
Mobile, Ala	552	513	520	590	1,322	512	889	1,074	1,272	4,451
Montgomery, Ala	1,483	1,732	1,799	1,334	1,655	1,748	1,556	1,347	2,148	2,757
Mt. Vernon, N. Y	253	218	212	242	255	1,357	2,228	826	1,405	919
Nashville, Tenn	1,194	2,019	1,409	1,102	1,236	3,545	7,035	4,567	3,346	3,601
Newark, N. J	1,057	1,088	1,084	896	1,187	5,585	5,689	4,948	3,691	9,557
New Bedford, Mass	443	604	704	947	786	337	361	780	517	864
New Britain, Conn	552	904	928	944	894	715	1,039	1,037	978	942
New Haven, Conn	588	727	772	890	981	1,079	1,272	3,998	2,904	3,917
New Orleans, La	999	1,367	1,225	1,152	2,440	3,956	4,816	13,319	5,682	19,230
New Rochelle, N. Y	233	343	351	291	307	591	1,761	3,117	1,777	1,226
Newton, Mass	664	864	712	906	865	2,591	4,511	3,253	2,838	2,958
New York, N. Y.:										
Borough of Bronx[1]	6,231	7,411	7,194	2,428	2,175	23,721	55,043	50,322	48,216	43,320
Borough of Brooklyn[1]	10,566	15,491	15,021	14,359	11,031	48,172	52,848	68,611	64,091	62,011
Borough of Manhattan[1]	4,239	4,753	5,531	4,483	4,432	47,148	63,336	90,289	71,155	55,570
Borough of Queens[1]	13,517	17,604	17,666	17,327	16,190	29,462	49,220	100,814	149,534	82,182
Borough of Richmond[1]	1,655	1,960	2,029	2,086	924	5,381	3,620	4,563	3,208	3,402
Niagara Falls, N. Y	882	1,119	1,633	1,412	1,403	967	3,352	2,888	1,416	1,731
Norfolk, Va	774	899	963	1,156	1,309	2,612	2,179	3,382	8,260	5,192
Oakland, Calif	3,861	5,104	5,053	5,347	6,472	9,545	8,655	8,101	9,276	11,364
Oak Park, Ill	225	346	359	329	302	626	1,498	991	715	783
Oklahoma City, Okla	1,298	2,031	2,040	1,842	1,845	3,262	8,144	5,775	5,745	4,590
Omaha, Nebr	1,157	1,327	1,449	1,598	2,188	1,642	4,349	3,842	1,926	5,454
Pasadena, Calif	2,411	2,917	3,329	3,552	4,534	2,221	3,029	4,411	3,355	3,747
Passaic, N. J	636	468	546	442	549	479	844	610	455	737
Paterson, N. J	1,042	1,012	840	787	925	807	1,788	1,116	1,729	1,596
Pawtucket, R. I	457	516	555	508	625	456	643	809	1,529	1,327

[1] Figures represent applications filed.

No. 894.—Building Permits Issued—Number and Cost of Buildings, for Principal Cities: 1935 to 1939—Continued

City	Total number of buildings					Estimated cost of buildings (thousands of dollars)				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
Peoria, Ill	711	1,405	1,257	1,405	1,958	1,844	4,455	3,788	3,161	7,296
Philadelphia, Pa	4,407	7,446	11,746	9,401	11,945	12,387	23,561	37,284	21,730	40,801
Pittsburgh, Pa	2,448	2,755	3,144	3,000	3,406	5,911	7,673	8,597	11,440	18,460
Pontiac, Mich	536	798	1,130	651	906	769	1,489	1,632	1,402	1,391
Port Arthur, Tex	817	1,399	1,480	1,373	1,316	546	1,028	828	1,445	1,103
Portland, Me	872	879	882	890	922	438	681	772	624	935
Portland, Oreg	3,721	4,710	4,814	4,485	4,808	3,542	6,790	8,688	6,790	9,723
Providence, R. I	3,662	3,974	3,927	3,654	2,976	2,663	5,085	3,028	4,726	3,484
Pueblo, Colo	544	543	767	788	893	441	280	658	525	857
Quincy, Mass	935	1,197	1,178	1,424	1,256	554	1,066	1,177	1,415	2,284
Racine, Wis	263	377	367	483	551	428	1,174	861	1,000	1,059
Reading, Pa	646	1,328	1,427	1,170	1,625	360	1,875	1,088	1,379	2,344
Richmond, Va	1,468	1,666	1,529	1,504	1,535	1,743	3,725	4,269	4,595	7,702
Roanoke, Va	432	480	586	761	849	624	983	2,095	1,561	1,215
Rochester, N. Y	1,393	1,695	1,827	1,714	1,736	2,798	5,778	5,040	3,753	4,938
Rockford, Ill	539	842	894	761	1,004	586	1,228	1,321	1,310	3,461
Sacramento, Calif	1,229	1,859	2,310	2,922	2,458	1,916	7,216	9,166	9,125	7,004
Saginaw, Mich	[2] 844	1,221	1,341	1,105	1,307	[2] 1,288	1,529	1,433	1,035	2,952
St. Joseph, Mo	199	325	235	183	212	311	324	207	789	1,389
St. Louis, Mo	4,091	4,236	3,995	3,916	4,344	15,151	10,231	9,788	9,979	13,874
St. Paul, Minn	2,704	3,210	3,183	3,468	4,048	3,182	6,235	6,196	7,016	8,115
Salt Lake City, Utah	1,788	1,781	2,196	2,333	2,187	1,926	3,456	4,128	4,186	5,608
San Antonio, Tex	6,097	2,907	3,028	3,076	5,585	6,056	4,731	5,201	6,251	8,509
San Diego, Calif	3,065	3,949	4,210	4,539	4,957	5,327	9,456	9,306	13,996	10,215
San Francisco, Calif	4,064	5,663	5,861	6,557	7,614	12,345	19,930	20,350	25,728	29,294
San Jose, Calif	839	1,173	1,237	1,280	1,442	1,323	2,346	2,320	2,940	3,047
Savannah, Ga	226	314	433	561	1,061	389	1,523	1,052	976	2,952
Schenectady, N. Y	1,156	1,295	1,457	1,184	1,212	965	1,791	2,538	1,628	1,074
Scranton, Pa	653	595	463	523	509	581	1,796	758	1,823	790
Seattle, Wash	3,474	4,172	4,046	4,147	5,220	3,827	6,708	7,183	8,408	12,471
Shreveport, La	1,447	1,432	1,513	1,703	1,838	1,305	2,511	2,886	5,073	6,090
Sioux City, Iowa	360	409	357	438	554	529	887	756	1,120	1,189
Somerville, Mass	301	295	347	286	274	305	538	431	259	363
South Bend, Ind	887	1,234	1,680	1,113	2,181	559	1,103	1,392	1,058	2,160
Spokane, Wash	1,752	2,803	3,264	3,468	3,938	1,668	3,946	2,880	3,380	3,790
Springfield, Ill	412	433	468	387	740	490	2,587	1,767	1,721	1,670
Springfield, Mass	529	610	796	690	713	582	1,300	2,807	2,371	3,559
Springfield, Mo	687	746	708	778	1,005	580	976	1,455	1,968	1,078
Springfield, Ohio	437	583	749	734	755	574	844	977	1,407	1,233
Syracuse, N. Y	613	802	727	673	889	1,967	3,137	3,248	1,733	3,450
Tacoma, Wash	949	1,779	1,753	1,482	1,529	676	1,448	1,453	1,595	2,222
Tampa, Fla	2,114	1,990	2,134	3,032	3,344	962	1,410	2,037	1,351	2,767
Terre Haute, Ind	619	719	652	440	647	322	912	533	2,596	1,452
Toledo, Ohio	1,060	1,714	1,873	1,363	2,241	1,762	5,913	4,607	2,357	6,077
Topeka, Kans	631	881	830	757	743	979	2,288	2,125	2,214	1,087
Trenton, N. J	396	590	530	489	823	549	888	983	1,028	4,701
Troy, N. Y	513	542	591	590	575	1,254	994	951	588	615
Tulsa, Okla	989	1,138	1,100	1,492	1,813	1,569	2,588	6,013	3,261	4,557
Union City, N. J	424	372	391	310	310	435	392	594	249	368
Utica, N. Y	197	178	177	138	267	289	521	995	656	1,244
Waco, Tex	308	410	427	402	477	1,837	920	784	890	888
Washington, D. C	6,792	7,777	6,873	6,672	7,199	47,216	51,113	43,295	51,578	71,050
Waterbury, Conn	359	554	533	525	450	471	1,320	1,362	1,608	1,053
Wheeling, W. Va	458	747	689	536	619	570	1,227	2,293	941	961
Wichita, Kans	1,867	1,938	2,236	2,936	2,701	1,251	2,350	2,306	3,109	2,828
Wilkes-Barre, Pa	646	1,175	1,043	1,117	1,104	752	1,205	1,010	998	934
Wilmington, Del	1,059	1,243	1,184	985	1,121	2,430	4,101	4,270	2,280	4,444
Winston-Salem, N.C	829	1,422	1,367	1,230	1,329	1,066	1,499	2,121	2,516	2,285
Worcester, Mass	1,156	1,212	1,227	2,377	1,347	1,959	1,960	3,426	3,426	3,550
Yonkers, N. Y	660	692	752	779	650	2,368	4,132	5,043	9,704	5,284
York, Pa	855	1,104	1,270	1,213	1,242	414	715	1,051	653	1,102
Youngstown, Ohio	914	1,059	1,191	867	1,310	740	1,558	1,882	1,293	6,197

[2] Data for 11 months only; March records destroyed by fire.

Source: Department of Labor, Bureau of Labor Statistics; reports No. 650 and 668, Statistics of Building Construction, 1920 to 1938, and official records; figures published currently in monthly report, Building Construction.

No. 895.—Building Permits Issued—Number and Cost of Buildings, by Class: 1938 and 1939

Note.—See headnote, table 894. Figures cover 2,323 identical cities

Class of building	Number of buildings		Percent increase or decrease	Estimated cost (1,000 dollars)		Percent increase or decrease
	1938	1939		1938	1939	
Grand total, all buildings	**678,385**	**775,754**	**+14.4**	**1,782,976**	**2,135,682**	**+19.8**
Total, new buildings	**282,613**	**367,528**	**+30.0**	**1,459,520**	**1,784,075**	**+22.2**
New residential buildings	**161,636**	**233,125**	**+44.2**	**882,266**	**1,169,696**	**+32.6**
1-family dwellings	150,406	217,150	+44.3	592,256	836,724	+41.3
2-family dwellings	5,836	7,919	+35.7	29,613	40,130	+35.5
1-family and 2-family dwellings with stores	983	922	−6.2	3,808	4,154	+9.1
Multifamily dwellings	3,871	6,594	+70.3	240,332	287,239	+11.2
Multifamily dwellings with stores	145	179	+23.4	5,904	4,866	−17.7
Hotels	65	109	+67.7	2,612	8,232	+215.2
Lodging houses	37	51	+37.8	174	266	+52.9
Other	233	201	−13.7	7,566	8,090	+6.9
New nonresidential buildings	**120,977**	**134,403**	**+11.1**	**577,655**	**614,379**	**+6.4**
Amusement buildings	1,772	1,653	−6.7	27,620	25,108	−9.1
Churches	936	987	+5.4	16,194	16,177	−0.1
Factories and workshops	2,463	2,682	+8.9	45,726	47,456	+3.8
Public garages	850	1,109	+30.5	7,340	8,452	+15.1
Private garages	77,411	87,168	+12.6	19,840	21,886	+10.3
Service stations	4,390	4,765	+8.5	15,495	18,206	+17.5
Institutions	331	301	−9.1	51,442	48,694	−5.3
Office buildings	474	501	+5.7	18,094	20,332	+12.4
Public buildings	762	554	−27.3	109,932	100,330	−8.7
Public works and utilities	681	765	+12.3	35,604	56,986	+60.1
Schools and libraries	949	904	−4.7	129,143	143,472	+11.1
Sheds	16,446	16,892	+2.7	4,758	5,172	+8.7
Stables and barns	586	654	+11.6	482	718	+49.0
Stores and warehouses	10,564	12,261	+16.1	93,005	98,953	+6.4
All other	2,362	3,207	+35.8	2,979	2,436	−18.2
Additions, alterations, and repairs	**395,772**	**408,226**	**+3.1**	**323,056**	**351,607**	**+8.8**

No. 896.—Building Construction—Cost, Families Provided for, and Population, for 257 Identical Cities: 1923 to 1939

[Estimated-cost figures are based on permits issued for new buildings and for repairs to old buildings but do not include data for installation permits. See headnote, table 894]

Year	Estimated cost of buildings (thousands of dollars)				Estimated population (thousands)	Families provided for			Percentage of families provided for		
	Total building operations	New residential buildings	New nonresidential buildings	Additions, alterations, and repairs		Number	Ratio to each 10,000 inhabitants	Index number adjusted to population (1921=100)	1-family dwellings	2-family dwellings [1]	Multifamily dwellings [2]
1923	3,398,884	1,998,393	1,065,624	334,867	39,076	453,673	116.1	103.4	45.8	21.2	33.0
1924	3,508,267	2,038,427	1,125,291	344,548	39,909	442,096	110.8	184.6	47.4	21.4	31.2
1925	4,028,066	2,390,390	1,300,494	337,182	40,742	491,032	120.5	200.8	45.9	17.5	36.6
1926	3,826,927	2,222,875	1,262,738	341,315	41,575	462,208	111.2	185.2	40.7	13.9	45.4
1927	3,478,604	1,906,003	1,231,786	340,815	42,409	406,695	95.8	159.5	38.3	13.4	48.3
1928	3,304,700	1,859,424	1,135,570	309,706	43,242	388,678	89.9	149.7	35.2	11.1	53.7
1929	2,933,212	1,433,716	1,147,797	351,700	44,075	244,394	55.4	92.4	40.2	11.2	48.6
1930	1,697,725	601,276	849,387	247,063	[3] 44,908	125,315	27.9	46.5	45.7	12.1	42.2
1931	1,237,458	426,270	622,830	188,357	[4]	98,158	21.9	36.4	49.2	11.5	39.3
1932	481,219	103,445	275,509	102,265	[4]	27,380	6.1	10.2	71.3	12.4	16.3
1933	382,279	91,345	183,006	107,928	[4]	25,835	5.8	9.6	55.8	8.2	36.0
1934	379,231	76,622	166,361	136,248	[4]	20,952	4.7	7.8	60.0	6.9	33.1
1935	655,518	211,896	260,426	183,196	[4]	55,490	12.4	20.6	55.9	5.4	38.7
1936	1,042,331	458,068	347,024	237,239	[4]	113,649	25.3	42.2	52.0	4.6	43.4
1937	1,177,488	475,949	424,172	277,366	[4]	117,307	26.1	43.5	56.5	6.2	37.3
1938	1,173,922	577,820	369,308	226,704	[4]	157,008	35.0	58.3	50.1	4.9	45.0
1939	1,396,827	754,941	396,402	245,484	[4]	203,025	45.3	75.5	58.9	5.5	35.6

[1] Including 1- and 2-family dwellings with stores. [2] Including multifamily dwellings with stores.
[3] Based on enumeration. [4] No estimate made; ratios based on Census of 1930.

Source of tables 895 and 896: Department of Labor, Bureau of Labor Statistics; figures published currently in the Monthly Labor Review.

No. 897.—Construction and Other Projects Financed From Federal Funds—Value, by Type, 1936 to 1939, and by Fund, 1939

Note.—In thousands of dollars. In the case of Federal projects financed from Public Works Administration funds, the entire amount is allotted to Federal departments or other Federal agencies. The work is performed by commercial firms under contracts or, in force-account, by day labor hired directly by the Federal agencies for construction work. In the cases of allotments to States and local governments for non-Federal projects, the Public Works Administration makes a direct grant of not more than 30 percent of the total labor and material cost on projects financed from funds appropriated under the National Industrial Recovery Act, and of not more than 45 percent of the total labor and material cost on projects financed by funds provided under the Emergency Relief Appropriation Acts of 1935, 1936, and 1937, or the Public Works Administration Act of 1938. The State or local government finances the other 70 or 55 percent, in some cases through loans at interest through the Public Works Administration. Commercial allotments are in the form of loans and for the most part have been made to railroads

Federal fund and year	All types of projects	Building	Electrification	Forestry	Heavy engineering	Hydroelectric power plants	Plant, crop, and livestock conservation[1]	Professional, technical, and clerical projects[1]
Total all funds:								
1936	[2] 1,612,252	[2] 497,929	24,685	17,924	40,218	2,980	9,153	25,010
1937	[3] 1,255,980	[3] 344,566	62,342	4,710	35,331	12,054	6,647	5,996
1938	[4] 2,079,125	[4] 676,542	104,981	991	70,337	31,952	9,041	5,285
1939	[5] 2,212,137	[5] 629,882	119,659	13,300	97,287	23,955	8,995	4,510
1939, by Funds								
Federal agency projects financed by The Work Projects Adm.[6]	90,896	28,390	232	13,288	----	620	8,978	4,485
Regular Federal appropriations	1,256,527	107,218	98,517	12	22	----	17	----
Public Works Adm.: Federal	43,103	29,840	2,139	----	----	----	----	25
Non-Federal:								
N. I. Recovery Act	9,750	241	311	----	3,971	1,281	----	----
E.R. Appropriation Acts of 1935, 1936, and 1937[6]	33,288	5,366	3,487	----	3,494	17,584	----	----
P. W. A. A. 1938[7]	597,135	277,449	14,973	----	89,800	4,470	----	----

Federal fund and year	Public roads[8]		Railroad construction and repair	Reclamation	River, harbor, and flood control	Naval vessels	Streets and road paving[9]		Water and sewerage systems	Miscellaneous
	Grade crossing elimination	Roads					Grade crossing elimination	Streets and roads		
Total all funds:										
1936	100,350	360,801	5,040	73,797	115,913	108,314	1,488	39,048	154,796	34,806
1937	25,055	290,845	84	59,051	73,959	181,467	7,362	28,602	75,558	[10] 33,351
1938	4,289	311,717	----	175,382	128,492	291,514	5,108	51,124	116,314	[10] 96,056
1939	1,062	253,374	----	111,173	114,265	380,308	7,704	80,525	116,346	[10] 249,792
1939, by Funds										
Federal agency projects financed by The Work Projects Adm.[6]	1,062	1,204	----	20,552	1,811	----	----	2,344	585	7,345
Regular Federal appropriations	----	230,246	----	84,559	109,388	380,208	4	7,179	1,531	237,626
Public Works Adm.: Federal	----	824	----	2,136	2,200	100	----	935	830	4,134
Non-Federal:										
N. I. Recovery Act	----	----	----	1,380	----	----	1,207	849	510	----
E. R. Appropriation Acts of 1935, 1936, and 1937[6]	----	----	----	97	----	----	8	474	2,773	5
P. W. A. A. 1938[7]	----	21,100	----	2,449	866	----	6,485	68,744	110,117	682

[1] Figures include data for projects other than construction.

[2] Includes figures for low-cost housing projects (Housing Division, P. W. A.), as follows: Total, $54,797,000; N. I. R. A. fund, $762,000; E. R. Appropriation Acts of 1935 and 1936 funds, $54,035,000.

[3] Includes figures for low-cost housing projects (Housing Division, P. W. A.), as follows: Total, $17,239,000; N. I. R. A. fund, $5,699,000; E. R. Appropriation Acts of 1935, 1936, and 1937 funds, $11,540,000.

[4] Includes $31,200,000 for low-cost housing projects; of this amount $30,572,000 is for United States Housing Authority projects and $637,000 for P. W. A. projects (Housing Division, P. W. A.), made up as follows: N. I. R. A. $188,000; E. R. A. A. 1935, $449,000.

[5] Includes $181,378,000 for housing projects under the U. S. Housing Authority.

[6] Prior to July 1939, administered by Works Program. [7] Program started July 1938.

[8] Reported by Pub. Rds. Adm. [9] Except projects reported by Pub. Rds. Adm., headed "Public roads."

[10] Includes amounts for ship construction and repair of other than naval vessels as follows: For 1937, $15,805,000; 1938, $83,194,000; 1939, total, $192,361,000; Regular Federal Appropriations, $192,281,000; P. W. A. Federal, $80,000. Amounts are also included for sewing, canning, and gardening as follows: For 1938, $99,000; 1939, W. P. A., $51,000. Amounts are included for airports (exclusive of building and hangars) as follows: 1939, total, $4,909,000: Regular Federal Appropriation $826,000; P. W. A., Federal $1,563,000; W. P. A., $2,520,000.

Source: Dept. of Labor, Bureau of Labor Statistics; published currently in Monthly Labor Review.

No. 898.—Construction in the United States—Estimated Expenditures for Public and Private Construction: 1916 to 1939

Note.—The estimates represent the value of work performed during the year, as measured by expenditures for labor, material, and other items. They consequently differ from building permit and construction contract data which measure the value of work started. In addition, they have a generally broader coverage than permit and contract data. Figures include value and cost of installation of equipment which is an integral part of a structure, but not that of machinery, shipbuilding, or land costs

Year	Private construction (value in millions of dollars)									
	New								Maintenance	Total
	Residential building (nonfarm)	Nonresidential building [1]	Farm construction [2]	Railroad and street railway	Light and power	Telephone and telegraph	Other public utility	Total new construction		
1916	1,110	639	334	390	117	60	78	2,728	1,024	3,752
1917	940	712	472	515	123	83	59	2,904	1,083	3,987
1918	720	638	591	472	102	70	47	2,640	1,342	3,982
1919	1,600	956	680	329	156	73	104	3,898	1,549	5,447
1920	1,610	1,743	578	266	262	120	111	4,690	1,829	6,519
1921	1,760	1,329	395	243	163	99	83	4,072	1,665	5,737
1922	2,833	1,373	359	261	229	115	148	5,318	1,670	6,988
1923	3,757	1,560	409	435	412	155	154	6,882	1,810	8,692
1924	4,300	1,528	459	421	463	192	223	7,586	1,908	9,494
1925	4,584	1,938	471	445	421	206	185	8,250	1,994	10,244
1926	4,591	2,381	471	542	380	222	223	8,810	2,107	10,917
1927	4,289	2,414	474	539	383	208	273	8,580	2,175	10,755
1928	3,961	2,425	464	523	353	242	212	8,180	2,200	10,380
1929	3,424	2,432	464	592	387	348	236	7,883	2,296	10,179
1930	2,195	1,867	367	606	409	334	163	5,941	2,140	8,081
1931	1,396	1,110	259	361	268	104	164	3,712	1,553	5,265
1932	641	539	125	168	121	80	87	1,767	1,128	2,895
1933	314	357	175	115	52	45	33	1,091	1,016	2,107
1934	272	453	200	158	57	48	44	1,232	1,194	2,426
1935	533	450	284	156	73	53	56	1,605	1,413	3,018
1936	1,101	658	328	194	108	67	95	2,551	1,742	4,293
1937	1,530	933	360	238	152	105	125	3,443	1,854	5,297
1938	1,515	712	345	160	182	92	66	3,072	1,763	4,835
1939	1,860	760	340	191	160	95	85	3,491	1,820	5,311

Year	Public construction (value in millions of dollars)									Grand total, public and private (millions of dollars) [5]
	New						Work-relief construction [4]	Maintenance	Total	
	Highway	Sewers and water supply	Residential and nonresidential building	Military and naval	All other [3]	Total new construction				
1916	308	95	207	21	72	703	-------	269	972	4,724
1917	313	91	192	608	69	1,273	-------	290	1,563	5,550
1918	288	94	227	1,555	67	2,231	-------	310	2,541	6,523
1919	415	124	260	1,089	75	1,963	-------	375	2,338	7,785
1920	640	153	283	161	97	1,334	-------	469	1,803	8,322
1921	840	178	387	49	96	1,550	-------	528	2,078	7,815
1922	851	201	481	25	99	1,657	-------	548	2,205	9,193
1923	783	203	481	16	115	1,598	-------	565	2,163	10,855
1924	951	263	494	9	145	1,862	-------	633	2,495	11,989
1925	1,056	278	573	8	193	2,108	-------	655	2,763	13,007
1926	1,039	285	603	11	175	2,113	-------	692	2,805	13,722
1927	1,190	312	596	12	258	2,368	-------	758	3,126	13,881
1928	1,270	300	638	15	239	2,462	-------	796	3,258	13,638
1929	1,248	253	642	19	249	2,411	-------	816	3,227	13,406
1930	1,481	343	647	29	277	2,777	-------	871	3,648	11,729
1931	1,323	270	591	40	353	2,577	-------	776	3,353	8,618
1932	916	156	408	34	280	1,794	-------	624	2,418	5,313
1933	675	81	191	36	233	1,216	114	527	1,857	3,964
1934	821	116	181	47	294	1,459	578	599	2,636	5,062
1935	622	137	248	37	384	1,428	406	640	2,474	5,492
1936	876	208	582	29	459	2,154	1,130	710	3,994	8,287
1937	850	174	533	37	433	2,027	775	725	3,527	8,824
1938	900	179	553	62	423	2,117	1,202	739	4,058	8,893
1939	950	255	793	125	475	2,598	1,032	747	4,377	9,688

[1] Excludes nonresidential building by utilities.

[2] Includes expenditures for residential and nonresidential construction and repairs. Excludes labor performed by farm operators (owners or tenants) and regularly employed farm laborers.

[3] Largely expenditures for rivers and harbors, flood control and reclamation work and public service enterprises.

[4] In addition to the work-relief expenditures shown in this column, a small amount of work-relief is included in new construction.

[5] Includes new construction, maintenance, and work-relief construction.

Source: Dept. of Commerce, Bureau of Foreign and Domestic Commerce; Construction Activity in the U. S., 1915-37; also published in certain issues of the Survey of Current Business; later revisions from official records.

No. 899.—Construction Industry—Summary, by Class of Contractor: 1935

Note.—The 1935 Census covered reporting contracting establishments that did work valued at $500 or more. Figures do not cover all construction work done in the United States, as some contractors failed to make returns. No data for force-account construction (no contracts let) are included. In reporting work done, each contractor accounted for only the work performed by his own organization, excluding value of work sublet to other contractors

[Value of work performed and pay roll in thousands of dollars]

Kind of business group	All reporting establishments, total		Establishments reporting work performed, personnel, and pay roll					Establishments reporting work performed only	
	Number of establishments	Value of work performed	Number of establishments	Value of work performed	Active proprietors and firm members	Employees (average for year)	Pay roll [1]	Number of establishments	Value of work performed
United States	75,047	1,622,862	69,838	1,457,710	69,193	409,137	470,275	5,209	165,152
General contractors	11,491	944,279	9,883	834,391	8,286	258,344	277,912	1,608	109,888
Building [2]	8,337	398,980	7,241	356,512	6,433	106,366	120,316	1,096	42,468
Highway	2,116	280,332	1,723	240,949	1,208	87,242	76,403	393	39,383
Heavy construction	1,038	264,967	919	236,930	555	64,736	81,193	119	28,037
Special trade contractors	63,556	678,583	59,955	623,319	60,907	150,793	192,363	3,601	55,264
Carpentering	7,853	31,993	7,633	30,123	8,078	6,974	6,894	220	1,870
Concreting	981	11,311	946	10,884	971	3,736	3,397	35	427
Electrical	8,473	104,774	7,457	93,229	7,300	21,014	30,993	1,016	11,545
Elevator installation	404	23,538	351	21,394	138	4,182	7,919	53	2,144
Excavating and/or foundation	375	13,646	364	11,913	339	4,005	4,417	11	1,733
Glass and glazing	141	2,432	140	2,425	115	509	806	1	7
Heating and plumbing group	23,856	284,679	22,947	269,031	23,238	58,249	72,362	909	15,648
Heating and piping	1,809	58,625	1,607	52,423	1,262	10,181	15,351	202	6,202
Heating and piping with sheet metal	1,790	27,144	1,733	26,284	1,801	6,513	8,036	57	860
Heating, piping, plumbing	8,441	111,803	8,181	107,413	8,299	23,228	28,288	260	4,390
Heating, piping, plumbing with sheet metal	1,339	24,200	1,329	24,020	1,373	5,754	7,027	10	180
Plumbing	9,984	60,017	9,612	56,162	9,968	11,960	13,042	372	3,855
Plumbing with sheet metal	493	2,890	485	2,729	535	613	618	8	161
Roofing and sheet metal group	5,927	70,860	5,591	63,385	5,700	16,094	18,479	336	7,475
Roofing	1,931	30,960	1,813	28,311	1,726	7,301	8,329	118	2,649
Sheet metal	2,526	16,410	2,376	13,612	2,572	3,196	3,483	150	2,798
Roofing and sheet metal	1,470	23,490	1,402	21,462	1,402	5,597	6,667	68	2,028
Masonry	1,288	13,653	1,031	10,722	1,098	3,167	3,856	257	2,931
Ornamental iron	158	1,517	152	1,385	138	320	403	6	132
Painting, paperhanging, and decorating	11,078	56,406	10,633	52,456	11,441	16,229	20,469	445	3,950
Plastering	899	10,110	888	9,878	906	3,278	4,368	11	232
Steel erection	118	7,582	105	6,384	67	1,498	2,380	13	1,198
Stone setting	76	1,567	63	1,109	54	338	535	13	458
Tile and mantel	891	16,713	727	14,136	620	3,908	4,847	164	2,577
Wrecking and demolition	129	2,652	128	2,644	119	1,025	1,060	1	8
Other	909	25,150	799	22,221	585	6,267	8,669	110	2,929

[1] Does not include compensation for proprietors and firm members of unincorporated businesses.
[2] Includes operative builders.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Construction Industry, Vol. I.

No. 900.—Construction Industry—Summary, by States: 1935

NOTE.—Value of work performed and pay roll in thousands of dollars. The figures for each State cover the activities, including work done in other States, of contracting establishments located in the given State. See also headnote, table 899

DIVISION AND STATE	ALL REPORTING ESTABLISHMENTS, TOTAL		ESTABLISHMENTS REPORTING WORK PERFORMED, PERSONNEL, AND PAY ROLL					ESTABLISHMENTS REPORTING WORK PERFORMED ONLY	
	Number of establishments	Value of work performed	Number of establishments	Value of work performed	Active proprietors and firm members	Employees (average for year)	Pay roll [1]	Number of establishments	Value of work performed
United States	**75,047**	**1,622,862**	**69,838**	**1,457,710**	**69,193**	**409,137**	**470,275**	**5,209**	**165,152**
New England	**6,889**	**115,901**	**6,439**	**105,275**	**6,200**	**28,991**	**36,020**	**450**	**10,626**
Maine	668	6,424	638	6,029	630	1,898	2,014	30	395
New Hampshire	443	5,691	428	5,439	462	1,459	1,672	15	252
Vermont	314	2,294	295	1,874	323	598	591	19	420
Massachusetts	3,393	60,774	3,161	54,122	2,991	13,904	18,445	232	6,652
Rhode Island	389	8,473	347	7,821	314	2,299	2,835	42	652
Connecticut	1,682	32,245	1,570	29,990	1,480	8,833	10,463	112	2,255
Middle Atlantic	**21,418**	**416,302**	**20,188**	**379,315**	**19,145**	**91,601**	**126,730**	**1,230**	**36,987**
New York	10,990	266,088	10,300	241,074	9,214	55,957	83,138	681	25,014
New Jersey	4,131	51,680	3,944	48,133	3,767	11,712	15,314	187	3,547
Pennsylvania	6,297	98,534	5,935	90,108	6,164	23,932	28,278	362	8,426
East North Central	**15,809**	**339,774**	**14,565**	**299,067**	**14,405**	**81,417**	**100,595**	**1,244**	**40,707**
Ohio	4,282	77,879	3,949	68,735	3,895	17,662	22,276	333	9,144
Indiana	2,320	31,773	2,197	27,860	2,291	7,612	7,949	123	3,913
Illinois	3,883	130,470	3,567	115,174	3,395	31,507	41,341	326	15,296
Michigan	2,294	58,926	2,105	52,331	2,115	14,436	18,584	189	6,595
Wisconsin	3,030	40,726	2,757	34,967	2,709	10,200	10,445	273	5,759
West North Central	**8,940**	**182,384**	**8,298**	**165,072**	**8,633**	**52,070**	**49,384**	**642**	**17,282**
Minnesota	2,083	47,660	1,951	45,119	2,101	16,372	13,719	132	2,541
Iowa	1,916	28,993	1,701	24,219	1,817	6,616	6,455	215	4,774
Missouri	2,412	66,509	2,267	61,392	2,184	18,239	19,601	145	5,117
North Dakota	232	3,585	215	3,217	235	1,082	873	17	368
South Dakota	271	4,644	261	4,358	270	1,210	1,115	10	286
Nebraska	972	18,659	912	16,386	960	5,303	4,915	60	2,273
Kansas	1,054	12,314	991	10,381	1,066	3,248	2,706	63	1,933
South Atlantic	**6,759**	**177,455**	**6,376**	**159,527**	**6,198**	**50,591**	**50,033**	**383**	**17,928**
Delaware	229	4,597	222	4,548	201	1,455	1,640	7	49
Maryland	1,166	22,680	1,080	19,831	1,075	5,776	6,137	86	2,849
Dist. of Columbia	*414*	*28,127*	*376*	*25,787*	*271*	*6,459*	*8,634*	*38*	*2,340*
Virginia	1,234	22,883	1,183	20,957	1,223	6,125	6,225	51	1,926
West Virginia	649	9,588	618	8,575	647	3,437	2,858	31	1,013
North Carolina	849	25,319	801	20,840	818	7,036	6,189	48	4,479
South Carolina	379	10,534	364	10,124	353	3,736	3,205	15	410
Georgia	896	24,774	858	21,960	828	7,081	6,578	38	2,814
Florida	943	28,953	874	26,905	782	8,886	8,517	69	2,048
East South Central	**3,068**	**53,843**	**2,937**	**47,821**	**3,107**	**17,065**	**13,715**	**131**	**6,222**
Kentucky	1,427	16,953	1,392	15,391	1,480	5,367	4,443	35	1,562
Tennessee	829	22,005	704	21,149	831	7,969	6,039	35	856
Alabama	448	12,049	398	8,436	415	3,217	2,503	50	3,613
Mississippi	*364*	*2,836*	*353*	*2,845*	*381*	*1,112*	*730*	*11*	*191*
West South Central	**3,275**	**83,843**	**3,050**	**76,576**	**3,105**	**27,440**	**22,287**	**225**	**7,267**
Arkansas	326	5,059	308	4,750	330	2,301	1,292	18	309
Louisiana	537	17,086	503	15,696	478	4,724	4,320	34	1,390
Oklahoma	608	14,489	567	12,496	575	3,684	3,202	41	1,993
Texas	1,804	47,209	1,672	43,634	1,722	16,731	13,413	132	3,575
Mountain	**2,243**	**54,971**	**2,052**	**45,101**	**2,192**	**13,846**	**14,532**	**191**	**9,870**
Montana	287	7,057	249	6,578	260	2,001	2,006	38	1,079
Idaho	296	8,891	271	8,208	308	2,815	3,072	25	683
Wyoming	287	3,180	282	3,083	305	873	873	5	97
Colorado	*564*	*13,713*	*503*	*9,382*	*512*	*2,763*	*3,059*	*61*	*4,331*
New Mexico	114	3,660	97	3,050	110	717	778	17	610
Arizona	204	5,373	188	4,327	197	1,443	1,502	16	1,046
Utah	430	10,391	408	8,425	447	2,634	2,484	22	1,966
Nevada	61	2,106	54	2,048	53	600	758	7	58
Pacific	**6,646**	**198,409**	**5,933**	**180,156**	**6,208**	**45,516**	**56,979**	**713**	**18,253**
Washington	1,060	35,879	938	33,302	933	7,608	10,241	122	2,577
Oregon	654	24,239	595	20,404	626	5,542	6,852	59	3,835
California	4,932	138,291	4,400	126,450	4,649	32,366	39,886	532	11,841

[1] *Does not include* compensation for proprietors and firm members of unincorporated businesses.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Construction Industry, Vol. I.

No. 901.—Construction Industry—Summary for 46,429 Establishments, by Class of Contractor, and by States: 1935

NOTE.—This table covers only establishments that furnished detailed reports. See also headnote, table 899

KIND OF BUSINESS GROUP, DIVISION, AND STATE	Number of establishments	WORK PERFORMED				Active proprietors and firm members	Employees, average for year	Pay roll (1,000 dollars) [2]	Cost of material installed (1,000 dollars)	PERCENT OF TOTAL WORK PERFORMED	
		Value (1,000 dollars)	Percent performed—							Pay-roll	Material
			In home city	In home State [1]	Outside home State						
United States	46,429	1,330,835	57.5	27.4	15.1	44,531	379,067	436,802	559,441	32.8	42.0
General contractors	9,753	829,058	44.7	34.3	21.0	8,171	256,971	275,928	345,603	33.3	41.7
Building [3]	7,139	352,329	66.1	21.4	12.5	6,337	105,302	118,618	162,641	33.7	46.2
Highway	1,711	240,458	21.9	58.8	19.3	1,290	87,066	76,250	97,587	31.7	40.6
Heavy construction	903	236,271	36.1	28.5	35.4	544	64,603	81,060	85,375	34.3	36.1
Special trade contractors	36,676	501,777	78.5	16.1	5.4	36,360	122,096	160,874	213,838	32.1	42.6
New England	4,350	92,104	63.0	28.9	8.1	4,044	25,853	32,319	38,324	35.1	41.6
Maine	536	5,553	75.7	22.0	2.3	526	1,783	1,897	2,274	34.2	41.0
New Hampshire	218	4,237	54.3	38.9	6.8	229	1,215	1,415	1,962	33.4	46.3
Vermont	141	1,327	74.9	21.9	3.2	163	447	436	546	32.9	41.1
Massachusetts	2,284	48,279	67.1	27.1	5.8	2,093	12,516	16,731	20,309	34.7	42.1
Rhode Island	190	6,388	50.6	38.8	10.6	162	1,867	2,294	2,794	35.9	43.7
Connecticut	981	26,320	56.8	30.1	13.1	871	8,025	9,546	10,439	36.3	39.7
Middle Atlantic	13,053	336,897	66.4	21.4	12.2	11,784	82,455	115,637	140,299	34.3	41.7
New York	6,462	215,569	68.6	18.9	12.5	5,291	50,768	76,391	88,840	35.4	41.2
New Jersey	2,712	43,309	58.4	33.9	7.7	2,524	10,766	14,224	18,209	32.8	42.0
Pennsylvania	3,879	77,819	64.9	21.0	14.1	3,969	20,921	25,022	33,250	32.2	42.7
East North Central	9,343	274,332	57.9	25.7	16.4	9,351	75,352	93,820	112,300	34.1	40.9
Ohio	2,649	62,137	58.2	24.2	17.6	2,492	16,167	20,475	24,563	33.0	39.5
Indiana	1,402	24,966	56.8	29.6	13.6	1,439	6,901	7,252	11,677	29.0	46.8
Illinois	2,391	107,957	55.5	23.9	20.6	2,170	29,590	39,102	43,315	36.2	40.1
Michigan	1,255	47,638	57.9	30.2	11.9	1,175	13,225	17,251	18,962	36.2	39.8
Wisconsin	2,146	32,134	66.7	24.5	8.8	2,075	9,469	9,740	13,783	30.3	42.9
West North Central	5,157	152,660	40.6	27.7	31.7	5,280	49,167	46,253	63,865	30.3	41.8
Minnesota	1,492	41,938	43.5	27.1	29.4	1,597	15,658	12,668	16,376	30.2	39.0
Iowa	881	21,752	38.9	32.9	28.2	932	6,058	5,977	10,049	27.5	46.2
Missouri	1,530	58,365	40.4	18.8	40.8	1,419	17,430	18,730	24,194	32.1	41.5
North Dakota	104	2,617	43.5	43.7	12.8	118	946	739	1,084	28.2	41.4
South Dakota	157	3,876	40.8	43.2	16.0	159	1,117	1,019	1,709	26.3	44.1
Nebraska	495	15,056	30.8	39.7	29.5	518	4,981	4,612	6,461	30.6	42.9
Kansas	498	9,056	48.6	44.3	7.1	537	2,977	2,499	3,992	27.6	44.1
South Atlantic	4,154	147,586	59.5	25.5	15.0	3,845	47,199	46,909	67,556	31.8	45.8
Delaware	150	4,328	68.8	28.0	3.2	123	1,305	1,598	1,716	36.9	39.6
Maryland	710	17,703	59.0	26.0	15.0	680	5,227	5,594	8,135	31.6	46.0
Dist. of Columbia	305	24,746	88.5	------	11.5	202	6,197	8,339	11,151	33.7	45.1
Virginia	673	18,114	57.4	30.9	11.7	663	5,376	5,539	8,983	30.6	49.6
West Virginia	338	7,525	36.2	46.8	17.0	355	3,169	2,607	2,757	34.6	36.6
North Carolina	409	18,924	61.0	29.3	9.7	493	6,446	5,707	9,255	30.2	48.9
South Carolina	276	9,774	42.6	31.3	26.1	258	3,593	3,101	4,733	31.7	48.4
Georgia	533	20,711	40.6	31.6	27.8	492	7,278	6,244	8,954	30.1	43.2
Florida	670	25,761	59.2	29.3	11.5	579	8,518	8,180	11,872	31.8	46.1
East South Central	2,045	44,367	53.7	28.8	17.5	2,138	16,612	12,886	20,056	29.0	45.2
Kentucky	934	13,903	57.8	30.0	12.2	992	4,921	4,052	5,608	29.1	40.3
Tennessee	582	20,187	49.5	27.9	22.6	591	7,642	5,796	9,568	28.7	47.4
Alabama	267	7,330	58.1	23.3	18.6	272	3,006	2,350	3,747	30.0	47.9
Mississippi	262	2,447	51.6	46.4	2.0	283	1,043	688	1,133	28.1	46.3
West South Central	1,953	71,479	40.9	46.4	12.7	1,935	25,998	20,987	29,774	29.4	41.7
Arkansas	214	4,417	30.8	57.3	2.9	230	2,203	1,219	1,985	27.6	44.9
Louisiana	254	14,315	44.7	33.9	21.4	215	4,290	3,955	6,071	27.6	42.4
Oklahoma	351	11,476	27.5	62.7	9.8	343	3,432	2,990	4,642	26.1	40.4
Texas	1,134	41,271	43.3	45.1	11.6	1,147	16,073	12,823	17,076	31.1	41.4
Mountain	1,478	41,667	36.5	42.1	21.4	1,591	13,117	13,702	15,655	32.9	37.6
Montana	160	5,951	41.0	56.4	2.6	169	1,871	1,853	2,292	31.1	38.5
Idaho	163	7,742	15.3	25.1	59.6	191	2,709	2,946	2,188	38.1	28.3
Wyoming	236	2,837	43.0	38.6	18.4	253	820	809	1,145	28.5	40.4
Colorado	367	8,704	43.3	42.9	13.8	371	2,615	2,894	3,058	33.2	35.1
New Mexico	67	2,857	27.7	60.0	12.3	81	678	729	1,279	25.5	44.8
Arizona	121	3,560	41.3	58.4	.3	127	1,287	1,321	1,615	37.1	45.4
Utah	322	8,115	45.7	28.9	25.4	358	2,554	2,422	3,469	29.8	42.7
Nevada	42	1,901	31.9	67.3	.8	41	583	728	609	38.3	32.0
Pacific	4,396	169,443	62.5	30.9	6.6	4,563	43,314	54,289	71,612	32.0	42.3
Washington	631	31,781	68.3	22.9	8.8	611	7,234	9,867	14,207	31.0	44.7
Oregon	446	19,518	53.1	28.5	18.4	471	5,369	6,636	7,307	34.0	37.4
California	3,319	118,144	62.6	33.4	4.0	3,481	30,711	37,786	50,098	32.0	42.4

[1] Outside home city. [2] See note 1, table 900. [3] Includes operative builders.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Construction Industry, Vol. I.

No. 902.—Construction Industry—Value of Work Done, by Class of Construction, and by Class of Contractor: 1935

Note.—All figures in thousands of dollars. Data relate to establishments included in table 901

Kind of business group	Total	New		Repairs		Total	New		Repairs	
		Private	Public	Private	Public		Private	Public	Private	Public
	All construction					Building, total				
United States	1,330,835	405,473	555,548	327,775	42,039	812,064	336,463	143,359	312,470	19,772
General contractors	829,058	223,606	490,289	85,661	29,502	339,658	166,313	91,668	73,475	8,202
Building [1]	352,329	167,365	104,206	73,100	7,658	332,856	163,317	89,694	72,396	7,449
Highway and heavy	476,729	56,241	386,083	12,561	21,844	6,802	2,996	1,974	1,079	753
Special trade contractors	501,777	181,867	65,259	242,114	12,537	472,406	170,150	51,691	238,995	11,570
	Residential building					Other building				
United States	386,327	151,850	9,617	220,964	3,696	425,737	184,613	133,742	91,506	16,076
General contractors	111,621	66,633	4,849	38,926	1,213	228,037	99,680	86,819	34,549	6,989
Building [1]	110,350	66,020	4,653	38,543	1,134	222,506	97,297	85,041	33,853	6,315
Highway and heavy	1,271	613	196	383	79	5,531	2,383	1,778	696	674
Special trade contractors	274,706	85,217	4,968	182,038	2,483	197,700	84,933	46,723	56,957	9,087
	Highway					Heavy				
United States	245,252	13,649	216,640	2,239	12,724	273,519	55,361	195,549	13,068	9,543
General contractors	241,707	12,747	214,740	1,880	12,340	247,693	44,546	183,881	10,306	8,960
Building [1]	4,317	618	3,532	72	95	15,156	3,430	10,980	632	114
Highway and heavy	237,390	12,129	211,208	1,808	12,245	232,537	41,116	172,901	9,674	8,846
Special trade contractors	3,545	902	1,900	359	384	25,826	10,815	11,668	2,760	583

[1] Includes operative builders.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Construction Industry, Vol. I.

No. 903.—Construction Industry—Summary, by States: 1929 and 1935

Note.—See headnote, table 899. Census statistics for 1929 and 1935 for all reporting construction establishments are not comparable

ESTABLISHMENTS REPORTING BUSINESS OF $25,000 OR MORE IN 1929

Kind of business group, division, and state	Number of establishments	Value of work performed in 1929 (1,000 dolls.)	Division and state	Number of establishments	Value of work performed in 1929 (1,000 dolls.)	Division and state	Number of establishments	Value of work performed in 1929 (1,000 dolls.)
United States	30,597	4,794,773	E. N. Cen.—Con.			E.S.Central—Con.		
			Wisconsin	1,147	119,868	Tennessee	314	53,065
General contractors	15,516	2,976,873				Alabama	197	38,841
Special trade contractors	15,081	1,817,900	W. N. Central	2,490	367,544	Mississippi	95	10,873
			Minnesota	561	88,111			
New England	2,780	370,192	Iowa	486	68,660	W. S. Central	1,609	258,350
Maine	142	11,593	Missouri	759	120,296	Arkansas	118	14,557
N. Hampshire	113	9,135	N. Dakota	81	7,428	Louisiana	178	28,599
Vermont	61	5,612	S. Dakota	70	7,591	Oklahoma	312	49,212
Massachusetts	1,434	229,778	Nebraska	243	40,314	Texas	1,001	164,482
Rhode Island	226	25,290	Kansas	290	35,144			
Connecticut	804	88,784				Mountain	709	74,208
			South Atlantic	2,184	338,238	Montana	119	10,208
Middle Atlantic	8,546	1,608,973	Delaware	91	14,789	Idaho	44	6,208
New York	4,372	938,100	Maryland	407	82,030	Wyoming	40	2,765
New Jersey	1,483	235,001	Dist. of Col.	253	39,846	Colorado	211	23,040
Pennsylvania	2,691	435,872	Virginia	337	41,682	New Mexico	41	5,744
			W. Virginia	169	20,053	Arizona	105	10,323
E. N. Central	7,934	1,224,664	N. Carolina	293	47,800	Utah	129	12,899
Ohio	2,043	310,519	S. Carolina	116	14,853	Nevada	20	2,956
Indiana	746	86,760	Georgia	230	46,490			
Illinois	2,407	454,524	Florida	288	30,715	Pacific	3,409	417,009
Michigan	1,501	252,993				Washington	404	55,203
			E. S. Central	936	137,100	Oregon	249	26,315
			Kentucky	330	34,321	California	2,756	335,431

No. 903.—CONSTRUCTION INDUSTRY—SUMMARY, BY STATES: 1929 AND 1935—Continued

ESTABLISHMENTS REPORTING BUSINESS OF $25,000 OR MORE IN 1929 AND REPORTING FOR BOTH 1929 AND 1935

KIND OF BUSINESS GROUP, DIVISION, AND STATE	Number of establishments	WORK PERFORMED			ACTIVE PROPRIETORS AND FIRM MEMBERS		EMPLOYEES, AVERAGE FOR YEAR		PAY ROLL[2] (1,000 DOLLARS)		COST OF MATERIAL INSTALLED (1,000 DOLLARS)	
		1929		1935, value (1,000 dollars)								
		Value (1,000 dollars)	Percent of total for 1929[1]		1929	1935	1929	1935	1929	1935	1929	1935
United States	8,899	1,877,437	39.2	742,455	7,698	6,434	375,153	219,018	722,567	258,519	780,998	314,387
General contractors	3,653	1,185,641	39.8	515,128	3,124	2,549	259,958	162,120	468,954	176,278	455,903	212,159
Special trade contractors	5,246	691,796	38.1	227,327	4,574	3,885	115,195	56,898	253,613	82,241	325,095	102,228
New England	870	141,758	38.3	52,370	726	591	31,870	15,359	62,111	20,090	55,121	21,616
Maine	63	4,929	42.5	1,975	59	51	1,355	705	2,215	841	1,849	749
N. Hampshire	33	3,863	42.3	1,999	32	33	1,015	672	1,613	745	1,715	963
Vermont	16	1,291	23.0	429	19	19	330	144	461	145	581	194
Massachusetts	450	78,073	34.0	26,660	366	294	16,635	7,015	34,128	10,000	31,168	11,297
Rhode Island	63	9,601	38.0	4,362	42	35	2,261	1,337	4,277	1,652	3,582	1,976
Connecticut	245	44,001	49.6	16,945	207	159	10,274	5,486	19,417	6,707	16,226	6,437
Middle Atlantic	2,358	538,202	33.5	169,022	1,778	1,478	101,918	43,519	227,723	62,782	204,411	70,742
New York	1,252	350,173	37.3	110,123	746	598	63,778	26,949	153,296	41,546	125,151	45,534
New Jersey	358	62,485	26.6	20,092	247	214	10,821	5,455	24,385	7,556	27,257	8,430
Pennsylvania	748	125,544	28.8	38,807	780	666	27,319	11,115	50,042	13,680	52,003	16,778
E. N. Central	2,165	465,846	38.0	165,281	1,783	1,495	85,248	46,102	179,333	58,794	200,000	67,845
Ohio	546	114,774	37.0	37,821	396	364	22,011	9,745	41,968	12,903	52,654	14,522
Indiana	233	39,236	45.2	15,682	223	176	8,058	4,583	13,992	4,921	10,912	7,517
Illinois	680	172,815	38.0	61,277	573	466	29,917	16,747	70,616	22,224	65,407	25,262
Michigan	312	88,007	34.8	31,863	266	227	15,283	9,219	34,429	12,393	38,770	12,249
Wisconsin	394	51,014	42.6	18,638	325	262	9,979	5,808	18,328	6,353	23,257	8,297
W. N. Central	942	169,177	46.0	90,091	868	741	36,811	29,840	60,477	27,808	72,517	38,286
Minnesota	235	50,633	57.5	26,368	226	199	11,440	10,819	18,805	8,194	18,643	10,188
Iowa	170	29,289	42.7	14,625	187	148	5,521	4,069	9,023	4,153	14,839	7,050
Missouri	321	54,871	45.6	32,929	221	190	11,975	9,483	21,784	10,587	22,763	13,872
North Dakota	29	3,704	49.9	1,348	32	32	771	516	1,121	406	1,897	573
South Dakota	16	2,632	34.7	1,593	12	8	630	416	783	388	1,069	715
Nebraska	96	17,179	42.6	9,192	100	90	3,980	3,148	5,323	2,833	8,275	4,102
Kansas	75	10,869	30.9	4,036	90	74	2,494	1,389	3,638	1,247	5,031	1,786
South Atlantic	772	134,492	39.8	73,707	703	544	35,583	25,176	48,840	24,460	60,141	34,181
Delaware	48	6,371	43.1	2,729	41	31	1,366	910	2,312	1,075	2,864	1,068
Maryland	106	24,608	30.0	9,101	90	68	5,741	3,003	9,191	3,355	10,071	4,152
Dist. of Col	87	16,445	41.3	10,826	65	46	4,081	3,111	6,789	4,102	6,965	4,808
Virginia	142	20,267	48.6	9,259	108	118	4,905	2,794	7,786	3,052	9,049	4,530
West Virginia	62	7,809	38.9	4,689	71	63	2,109	1,982	3,074	1,602	2,694	1,748
N. Carolina	91	12,478	26.1	10,378	88	69	3,487	3,832	4,311	3,272	5,363	5,330
S. Carolina	55	10,709	72.2	5,342	47	39	3,263	1,872	3,319	1,597	6,311	2,663
Georgia	89	23,424	50.4	10,741	82	67	7,559	3,698	7,582	2,940	11,778	4,641
Florida	92	12,381	40.3	10,642	51	43	3,072	3,974	4,476	3,465	5,046	5,241
E. S. Central	308	46,282	33.8	22,595	318	284	11,010	8,571	15,286	6,814	20,287	10,743
Kentucky	110	13,334	38.9	6,776	115	106	3,154	2,638	4,823	2,135	5,209	3,219
Tennessee	127	23,434	44.2	11,037	126	108	5,350	4,052	7,201	3,387	10,813	5,557
Alabama	50	7,034	18.1	3,457	49	43	1,848	1,514	2,463	1,092	3,136	1,618
Mississippi	21	2,480	22.8	725	28	27	658	367	799	200	1,129	349
W. S. Central	369	74,325	28.9	33,466	360	309	18,600	12,203	25,074	9,805	33,849	15,073
Arkansas	28	3,208	22.0	1,645	29	30	680	649	793	495	1,789	780
Louisiana	53	12,878	45.0	5,957	42	33	2,888	1,711	3,868	1,754	5,364	2,825
Oklahoma	67	12,639	25.7	6,363	69	54	3,207	1,617	4,248	1,472	5,713	2,609
Texas	221	45,600	27.7	19,500	220	192	11,825	8,226	16,165	6,084	20,983	8,850
Mountain	234	29,110	39.2	23,192	245	207	5,996	8,058	9,864	8,402	10,218	8,537
Montana	40	4,677	45.8	2,410	46	40	825	891	1,363	817	2,080	1,071
Idaho	14	3,309	52.8	6,326	17	17	836	2,333	1,194	2,613	487	1,694
Wyoming	18	1,385	50.1	1,206	23	18	271	423	548	379	511	618
Colorado	63	6,890	29.9	5,928	58	52	1,521	1,895	2,522	2,124	2,713	2,092
New Mexico	10	2,635	45.9	533	11	8	463	153	762	171	917	243
Arizona	19	1,751	17.0	936	21	18	411	264	558	302	903	479
Utah	55	6,469	50.2	4,929	62	52	1,208	1,819	2,343	1,631	2,235	2,015
Nevada	5	1,994	67.5	924	7	2	371	280	574	365	367	325
Pacific	858	154,616	36.9	72,227	913	775	30,013	20,430	53,653	24,642	66,180	30,673
Washington	129	22,878	41.0	10,970	119	93	4,503	3,028	8,646	3,657	9,776	4,450
Oregon	61	10,305	39.2	7,321	57	57	2,411	2,307	3,768	2,301	4,188	2,908
California	668	121,033	36.1	53,936	737	625	23,099	15,095	41,239	18,684	52,216	23,315
Consolidated reports[3]	33	124,229		40,505	10	10	18,104	9,760	40,206	14,922	58,279	16,691

[1] For 1929 total, see first section of this table, p. 905.
[2] See note 1, table 900.
[3] Figures are from single reports for organizations with establishments in 2 or more States.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1935, Construction Industry, Vol. III.

No. 904.—Residential Structures—Summary for 64 Cities: 1934

Note.—The cities included in the real-property inventory were selected from every State in the Union as a representative sample of urban housing in the United States. The cities chosen vary in size from a population of 11,000 to more than 1,000,000. The total population of the areas canvassed constituted about one-seventh of the total urban population of the United States. The survey covered all buildings with residential units except hotels, clubs, rooming houses, and summer cottages. Data for the individual cities included in this summary are shown in table 815 of the 1935 issue of the Statistical Abstract

ITEM	Number	Per cent	ITEM	Number	Per cent	ITEM	Number	Per cent
Persons inventoried	9,074,783	100.0	Dwelling units by type	2,633,135	100.0	Owner-occupied	1,035,927	39.3
Families	2,612,107	100.0	Single-family	1,536,806	58.4	Owned free	390,537	37.7
Structures by type	1,931,055	100.0	2-family	501,340	19.0	Mortgaged	498,382	48.1
Single-family	1,536,806	79.6	3-family	79,302	3.0	Not reported	147,008	14.2
2-family	250,670	13.0	4-family	86,676	3.3	Rental units	1,597,208	60.7
3-family	26,434	1.4	Row house	34,218	1.3	Under $15	540,852	33.9
4-family	21,669	1.1	Apartment	246,946	9.4	$15 to $30	697,695	43.7
Row house	7,051	.4	Other	147,847	5.6	$30 and over	358,661	22.5
Apartment	22,053	1.1	Occupied	2,428,907	92.2	Dwelling units equipped with		
Other	66,372	3.4	Very spacious	703,635	29.0	Furnace or boiler	1,141,142	43.3
Condition of structure:			Spacious	655,106	27.0	Mechanical refrigeration	447,135	17.0
Good	726,245	37.6	Adequate	651,840	26.8	Gas for cooking	1,828,463	69.4
Minor repairs	857,326	44.4	Crowded	379,434	15.6	Electricity for lighting	2,385,880	90.6
Major repairs	301,740	15.6	Over-crowded	29,283	1.2	Tub and/or shower	2,627,849	99.8
Unfit for use	43,901	2.3	Greatly overcrowded	6,120	.3			
Not reported	1,843	.1	Not reported	3,489	.1			
			Vacant	204,228	7.8			

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce; Real Property Inventory, 1934.

No. 905.—Building-Material Prices and Construction Costs—Indexes: 1914 to 1939

[Monthly average, 1923–1925=100]

YEAR	WHOLESALE PRICE INDEXES [1]							Construction costs [6]	Factory building costs
	All building materials	Lumber	Brick and tile [2]	Portland cement [3]	Structural steel [4]	Paint and paint materials [5]	Other building materials		
1914	50.6	48.0	37.9	52.2	52.9	49.0	57.8	41.8	50.4
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	61.1	-------
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	150.0	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	86.2
1922	93.4	95.4	97.1	98.2	78.0	90.7	92.3	82.3	87.4
1923	104.3	107.6	101.2	102.4	109.1	98.0	102.1	100.9	102.1
1924	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	99.7
1925	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.5	98.2
1926	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.2
1927	90.9	89.6	93.5	90.5	83.5	93.1	92.4	97.3	96.7
1928	90.3	87.1	93.4	87.8	84.0	90.0	93.6	97.5	96.2
1929	91.6	90.3	92.1	84.4	86.5	91.8	94.6	97.6	[7] 95.7
1930	86.3	82.6	87.7	85.2	77.0	87.5	90.3	95.7	[8] 93.7
1931	76.0	66.9	81.6	71.0	73.3	76.8	82.1	85.5	[8] 88.6
1932	68.5	56.3	75.5	70.5	71.3	68.8	77.0	74.0	[8] 84.6
1933	73.9	68.0	77.3	83.6	73.3	70.9	80.1	80.2	[8] 85.6
1934	82.7	81.3	88.1	88.3	80.1	76.9	87.4	93.4	[8] 88.8
1935	81.9	78.1	87.3	88.0	81.1	77.2	87.2	92.6	[8] 88.9
1936	83.2	81.3	86.6	87.5	83.8	77.5	87.3	97.3	[8] 92.8
1937	91.4	95.3	91.3	84.4	99.8	80.7	95.9	110.7	[8] 100.4
1938	86.7	87.0	88.9	85.7	97.9	78.6	89.7	111.2	[8] 96.2
1939	86.9	89.9	89.3	86.6	94.6	80.1	87.4	111.0	[8] 95.4

[1] Beginning 1926 the indexes, except for Portland cement and structural steel, have been revised to include additional items not previously included; the "All building materials" index also includes plumbing and heating equipment (not shown separately in this table) for which data are not available prior to 1926.
[2] Excludes tile prior to 1926.
[3] Composite price. Based on plant prices for years prior to 1926, and on delivered prices for subsequent years.
[4] Pittsburgh district.
[5] Excludes paint prior to 1926.
[6] Based upon the cost of lumber, steel, cement, and the rates paid common labor.
[7] Average of January, February, May, September, and December.
[8] Average of March, June, September, and December.

Sources: Wholesale prices, Department of Labor, Bureau of Labor Statistics; December 1939 issue of Wholesale Prices. Construction costs, Engineering News-Record. Standard factory building costs, Aberthaw Construction Co.

No. 906.—Urban Housing, Financial Survey—Units Surveyed, Value of

Note.—The Financial Survey of Urban Housing is a study of financial and related economic data for a Statistical Abstract and table 815 of the 1935 issue) and of family income and other factors relating to the acquisition, age, cost, value, and type of dwellings, rents, mortgages, family income, and families and persons

	City and geographic area	Occupied dwelling units surveyed				Average value 1-family dwellings, Jan. 1, 1934 [3]		Average annual rental per dwelling unit, rented properties, 1933 [3]		Percent of properties mortgaged [3]	
		Tenant-occupied units		Owner-occupied units							
		Number [1]	Percent of total [2]	Number [1]	Percent of total [2]	Owner-occupied	Rented [4]	Total, all dwellings	1-family dwellings	Owner-occupied	Rented [4]
1	Total 52 cities	157,738	12.1	128,521	15.1	$4,447	$3,142	$263	$248	58.3	42.8
2	New England	12,600	7.7	6,756	7.4	6,214	4,832	294	348	68.6	53.8
3	Portland, Maine	2,757	24.1	1,448	24.5	6,051	4,445	328	363	46.7	41.3
4	Worcester, Mass	2,818	9.6	1,423	9.3	6,642	6,133	305	428	83.6	69.3
5	Providence, R. I.[5]	5,892	5.4	3,290	6.3	5,903	4,706	287	329	63.2	50.2
6	Waterbury, Conn	1,133	7.7	595	7.5	8,001	-------	293	457	81.1	------
7	Middle Atlantic	7,311	10.7	7,394	13.2	5,223	4,457	290	327	66.9	55.9
8	Binghamton, N. Y	774	7.0	590	7.5	6,163	-------	330	445	45.3	------
9	Syracuse, N. Y	1,526	5.0	1,314	5.9	5,901	5,436	296	354	76.9	67.1
10	Trenton, N. J	2,083	15.7	2,365	17.5	4,200	3,135	273	265	68.8	39.8
11	Erie, Pa	2,928	21.4	3,125	25.2	4,576	3,786	204	289	49.7	30.5
12	East North Central	36,871	12.5	32,406	16.5	5,669	4,306	297	307	66.3	51.2
13	Cleveland, Ohio [5]	27,485	14.0	22,036	17.9	6,249	5,464	311	363	67.0	53.2
14	Indianapolis, Ind	3,183	5.2	2,780	7.5	4,890	3,126	300	277	63.8	51.2
15	Peoria, Ill	2,330	18.4	2,740	22.2	4,405	3,087	283	258	54.0	40.3
16	Lansing, Mich	977	9.2	1,149	12.3	3,813	2,970	204	200	57.4	36.5
17	Kenosha, Wis	1,002	17.0	1,145	19.4	5,069	4,969	226	251	65.3	48.2
18	Racine, Wis	1,894	23.3	2,556	29.8	4,961	4,342	219	230	67.1	53.5
19	West North Central	24,896	13.3	24,757	15.7	3,662	2,713	282	266	51.5	39.4
20	Minneapolis, Minn	9,284	13.9	7,519	14.4	4,204	3,375	318	338	55.9	46.3
21	St. Paul, Minn	1,830	5.3	1,899	5.7	3,766	3,285	290	316	48.0	41.4
22	Des Moines, Iowa	3,118	14.8	3,422	18.7	3,157	2,486	285	262	49.5	35.4
23	St. Joseph, Mo	1,282	12.0	1,262	16.2	3,296	2,483	235	223	42.9	24.7
24	Springfield, Mo	1,197	14.9	1,594	21.5	2,651	1,940	188	173	50.1	25.4
25	Fargo, N. Dak	909	21.3	845	30.9	4,811	-------	337	340	58.5	------
26	Sioux Falls, S. Dak	1,525	30.5	1,224	31.0	4,101	3,201	299	288	53.4	40.8
27	Lincoln, Nebr	1,295	12.0	1,715	16.1	3,548	2,524	268	257	48.2	36.5
28	Topeka, Kans	2,078	23.0	2,518	27.5	3,186	2,258	243	224	44.0	26.2
29	Wichita, Kans	2,378	14.1	2,759	20.9	2,722	2,066	200	188	53.5	38.8
30	South Atlantic	26,729	14.2	12,987	15.2	4,323	3,128	218	214	50.5	34.5
31	Hagerstown, Md	1,275	25.3	740	27.5	4,601	2,535	232	242	49.6	26.2
32	Richmond, Va	4,176	15.0	2,285	16.4	5,218	3,640	283	274	49.7	34.2
33	Wheeling, W. Va.[5]	2,219	8.7	2,350	12.2	3,768	3,519	227	234	35.3	21.9
34	Asheville, N. C	1,644	21.6	898	25.4	3,807	3,234	169	173	46.9	14.5
35	Greensboro, N. C	1,225	15.2	569	16.0	5,226	3,382	200	184	56.8	29.3
36	Charleston, S. C	2,537	19.1	647	19.5	5,023	2,723	177	198	32.9	23.6
37	Columbia, S. C	1,583	18.9	598	18.8	4,779	2,907	187	189	58.4	33.7
38	Atlanta, Ga.[5]	9,543	13.9	4,274	15.9	4,389	2,793	223	233	58.3	40.7
39	Jacksonville, Fla	2,527	10.4	626	6.9	3,499	-------	172	157	47.6	------
40	East South Central	9,199	10.5	5,218	15.4	3,213	2,566	159	153	52.4	22.5
41	Paducah, Ky	1,313	23.9	782	25.8	2,106	1,188	145	130	30.7	7.1
42	Birmingham, Ala.[5]	7,178	9.6	3,989	14.7	3,198	2,703	151	148	52.4	22.9
43	Jackson, Miss	708	9.3	447	12.5	4,462	-------	232	213	61.5	------
44	West South Central	13,083	13.1	10,516	18.0	3,643	2,488	248	234	53.4	37.4
45	Little Rock, Ark	2,615	23.0	1,995	27.9	3,230	1,794	192	183	43.8	23.9
46	Baton Rouge, La	865	18.0	381	15.9	3,806	-------	227	217	53.3	------
47	Oklahoma City, Okla	3,697	13.9	2,944	18.4	3,833	2,580	251	235	61.7	43.1
48	Austin, Tex	1,018	13.0	1,082	17.5	3,732	2,529	260	244	39.2	30.6
49	Dallas, Tex	3,831	9.0	3,220	13.9	3,695	2,796	277	270	53.3	39.6
50	Wichita Falls, Tex	1,057	16.5	894	26.0	2,933	1,970	153	149	41.4	21.2
51	Mountain	10,060	22.8	9,639	27.2	2,956	2,465	249	223	49.3	39.1
52	Butte, Mont	2,010	40.7	1,989	48.7	2,355	1,719	248	220	24.2	15.1
53	Boise, Idaho	1,114	34.3	1,318	45.3	3,147	-------	286	248	45.1	------
54	Casper, Wyo	698	24.1	708	35.0	2,594	-------	222	218	44.1	------
55	Pueblo, Colo	917	15.7	1,039	17.8	1,830	1,503	187	171	40.9	22.5
56	Phoenix, Ariz	1,667	18.0	998	24.4	4,143	3,368	243	245	55.6	43.6
57	Salt Lake City, Utah	3,654	20.3	3,587	21.7	3,224	2,677	260	232	54.0	42.9
58	Pacific	16,989	9.8	18,348	13.5	3,231	2,727	251	240	50.5	37.1
59	Seattle, Wash.[5]	5,992	8.0	6,705	11.1	3,043	2,587	255	233	49.2	36.4
60	Portland, Oreg	4,023	9.0	5,065	11.7	3,104	2,655	204	198	51.0	33.8
61	Sacramento, Calif	2,168	15.4	2,343	21.7	3,995	3,255	319	326	54.5	45.0
62	San Diego, Calif.[5]	4,806	12.4	4,735	19.1	3,568	2,872	276	275	50.6	38.3

[1] Sample surveyed in the 52 cities shown in this table. In 9 other cities included in the study the field enumeration was only partly completed, and only simplified tabulations of the data were made.

[2] Financial Survey reports as percentage of reports by Real Property Inventory. See also headnote.

1-Family Dwellings, Rents, Mortgages, and Family Income, for 52 Cities

sample of the same properties covered by the Real Property Inventory (see table 904 of this issue of the occupants. This table presents selected statistics from the Financial Survey. Additional data relating to occupying the dwellings, are published for 22 cities in the report, "Financial Survey of Urban Housing"

Average ratio of mortgage debt to value of property [3] (percent)		Interest rates [3] (percent)				Average annual family income [3]						Average ratio rent to income [3]	
		Contract rate (weighted)		Effective rate (weighted)		Owner occupants			Tenants				
Owner-occupied	Rented [4]	Owner-occupied	Rented	Owner-occupied	Rented	1929	1932	1933	1929	1932	1933	1933	
55.6	60.4	6.18	6.25	6.54	6.76	$2,304	$1,654	$1,465	$1,589	$1,183	$1,082	24.2	1
54.6	60.6	5.93	5.88	6.17	6.20	2,505	1,969	1,710	1,659	1,260	1,171	25.2	2
50.5	53.4	6.00	6.04	6.10	6.11	2,773	2,188	1,842	1,744	1,415	1,290	25.4	3
67.1	69.3	5.64	5.47	5.71	5.76	2,784	2,089	1,907	1,686	1,306	1,221	24.9	4
49.4	58.7	6.06	6.00	6.45	6.40	2,339	1,733	1,606	1,630	1,239	1,124	25.5	5
60.0	-------	5.90	5.93	5.84	6.06	3,086	2,233	2,073	1,742	1,286	1,223	24.0	6
55.9	62.8	5.65	5.72	5.91	6.03	2,212	1,576	1,394	1,571	1,196	1,071	27.5	7
45.9	-------	5.80	6.35	6.18	6.18	2,421	2,051	2,019	1,694	1,439	1,408	23.4	8
57.0	62.7	5.46	5.54	5.69	5.83	2,450	1,714	1,507	1,665	1,231	1,082	27.3	9
58.4	59.7	5.92	5.77	6.03	6.29	1,917	1,377	1,174	1,317	1,010	902	30.3	10
57.7	64.5	5.94	5.95	6.36	6.48	1,943	1,281	1,080	1,549	1,050	924	28.6	11
56.8	64.2	6.18	6.15	6.45	6.46	2,478	1,683	1,430	1,774	1,253	1,149	25.9	12
57.2	67.7	6.14	6.09	6.42	6.35	2,463	1,669	1,391	1,757	1,240	1,138	27.2	13
56.2	57.0	6.34	6.34	6.52	6.76	2,899	2,078	1,821	1,896	1,422	1,289	23.1	14
50.4	52.5	6.50	6.39	6.88	6.76	2,203	1,614	1,454	1,691	1,220	1,131	24.9	15
59.5	57.0	6.20	6.35	6.41	6.75	2,146	1,337	1,204	1,632	1,016	966	21.0	16
53.8	58.4	6.09	6.24	6.38	6.69	1,855	1,067	959	1,378	831	803	28.1	17
58.9	59.8	5.95	5.96	6.34	6.47	1,939	1,052	918	1,589	913	837	26.3	18
52.0	55.3	6.09	6.06	6.54	6.72	2,173	1,659	1,449	1,611	1,248	1,141	24.5	19
52.4	56.7	5.92	5.91	6.31	6.68	2,304	1,742	1,530	1,730	1,349	1,220	26.0	20
50.0	53.7	5.93	5.94	6.46	6.50	2,060	1,633	1,469	1,454	1,139	1,056	27.6	21
53.2	52.2	5.91	6.18	6.48	6.64	2,138	1,653	1,455	1,660	1,307	1,174	24.2	22
52.5	54.5	6.21	6.12	6.80	6.69	2,196	1,727	1,473	1,555	1,261	1,176	19.9	23
52.9	48.2	7.04	7.00	7.51	7.58	1,753	1,288	1,102	1,305	1,003	899	20.2	24
50.4	-------	6.38	6.64	6.40	6.92	2,399	1,932	1,682	1,679	1,420	1,304	25.8	25
46.5	48.8	6.12	6.01	6.57	6.71	2,283	1,748	1,545	1,635	1,309	1,229	24.3	26
53.6	63.3	6.22	6.14	6.52	6.66	2,294	1,630	1,404	1,591	1,251	1,153	23.2	27
50.4	52.0	7.03	6.86	7.51	6.99	1,981	1,512	1,373	1,492	1,172	1,070	22.6	28
56.8	57.4	6.48	6.34	7.11	7.23	2,112	1,471	1,271	1,652	1,149	1,035	19.3	29
56.6	65.5	6.25	6.32	6.91	7.25	2,270	1,730	1,620	1,268	1,028	958	23.3	30
60.9	67.4	5.87	5.75	6.12	5.64	2,064	1,435	1,315	1,312	1,029	920	25.2	31
59.4	62.6	5.97	6.00	6.72	6.83	2,715	2,154	1,999	1,508	1,352	1,285	22.2	32
49.4	51.1	5.93	6.05	6.39	6.15	1,594	1,121	1,073	1,379	982	925	24.4	33
66.3	79.7	5.95	5.83	6.39	6.35	2,126	1,544	1,393	1,155	900	821	20.6	34
61.9	61.2	5.97	5.98	6.35	7.75	2,915	2,208	2,000	1,462	1,226	1,217	16.3	35
50.3	51.9	6.71	6.42	7.12	6.87	2,454	2,000	1,027	880	745	734	24.0	36
57.4	62.6	6.87	6.94	7.39	6.72	2,315	1,829	1,737	1,015	879	812	22.8	37
57.3	70.0	6.40	6.35	7.25	7.60	2,701	2,088	1,906	1,377	1,124	979	22.7	38
52.2	-------	6.78	6.80	7.35	7.14	1,593	1,291	1,224	873	680	626	27.5	39
59.4	51.1	6.59	6.39	7.09	7.17	2,275	1,425	1,275	1,349	889	778	20.3	40
58.7	48.2	5.93	6.16	7.29	6.70	1,667	1,231	1,134	1,019	731	680	21.5	41
61.1	52.0	6.63	6.37	7.10	7.19	2,267	1,390	1,211	1,385	880	769	19.6	42
50.4	-------	6.52	6.60	6.93	7.11	2,703	1,891	1,707	1,250	965	899	25.4	43
55.4	56.7	6.99	7.07	7.45	7.50	2,500	1,809	1,647	1,641	1,244	1,128	21.8	44
62.9	62.2	6.26	6.32	6.88	7.34	2,591	1,763	1,502	1,445	1,063	940	20.3	45
45.0	-------	7.17	6.78	7.55	7.61	2,153	1,707	1,532	1,371	1,118	1,009	22.5	46
58.2	55.5	6.82	7.02	7.38	6.98	2,580	1,791	1,617	1,627	1,172	1,096	22.9	47
46.4	50.9	7.41	7.59	7.52	9.16	2,070	1,710	1,534	1,450	1,282	1,168	22.0	48
53.5	56.7	7.22	7.21	7.03	7.76	2,504	1,883	1,712	1,751	1,350	1,233	22.4	49
66.3	72.4	7.22	7.12	7.48	8.02	2,706	1,832	1,650	1,612	1,114	1,048	14.7	50
55.7	57.5	7.02	7.06	6.60	7.36	2,146	1,483	1,341	1,595	1,135	1,027	23.3	51
41.3	52.2	7.82	7.45	8.32	8.71	2,257	1,201	1,155	1,732	1,038	986	25.1	52
43.2	-------	6.95	7.04	7.91	8.17	1,812	1,395	1,266	1,493	1,259	1,194	24.0	53
56.9	-------	6.93	6.85	7.31	7.05	2,064	1,602	1,441	1,569	1,213	1,099	20.0	54
59.2	58.9	6.62	7.04	7.08	7.16	1,570	1,043	933	1,290	843	783	23.8	55
56.3	53.3	7.31	7.39	7.60	7.94	2,880	1,919	1,590	1,681	1,204	1,114	21.8	56
58.0	59.8	6.97	6.86	5.83	6.97	2,270	1,600	1,417	1,603	1,193	1,094	23.7	57
55.9	57.4	6.34	6.42	6.92	7.06	2,098	1,491	1,307	1,626	1,198	1,092	22.8	58
54.7	57.2	6.25	6.26	6.95	6.79	2,122	1,453	1,278	1,693	1,206	1,125	22.7	59
56.6	54.9	6.09	6.20	6.45	7.10	1,994	1,381	1,218	1,423	1,017	905	22.5	60
61.8	64.2	6.58	6.82	7.14	7.23	2,465	1,914	1,712	1,805	1,456	1,344	23.7	61
54.4	57.6	6.79	6.88	7.48	7.66	2,047	1,583	1,371	1,670	1,336	1,192	23.1	62

[3] Totals for 52 cities and geographic areas, and interest rates for individual cities are weighted averages.
[4] Data omitted for certain cities because of insufficient number of reports.
[5] Metropolitan area; other cities, city proper.

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce; Financial Survey of Urban Housing.