30.—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 795, p. 782]

No. 714.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

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

Yearly average or year	Total	Metallic	Nonmetallic	Unspecified	Year	Total	Metallic	Nonmetallic	Unspecified
1881–1885	426	191	229	6	1919	4,596	1,360	3,233	3
1886–1890	541	248	292	1	1920	6,981	1,762	5,214	5
1891–1895	592	244	347	1	1921	4,139	654	3,482	3
1896–1900	828	366	461	1	1922	4,647	987	3,656	4
1901–1905	1,392	578	813	1	1923	5,987	1,511	4,472	4
1906–1910	1,887	769	1,118	(1)	1924	5,306	1,232	4,068	6
1911–1915	2,220	820	1,399	1	1925	5,678	1,380	4,291	6
1916–1920	5,124	1,796	3,322	5	1926	6,214	1,403	4,803	8
1921–1925	5,151	1,153	3,994	5	1927	5,530	1,218	4,304	8
1926–1930	5,556	1,273	4,275	9	1928	5,385	1,285	4,092	9
1931–1935	3,032	505	2,516	11	1929	5,888	1,476	4,401	10
1911	1,924	681	1,243	(1)	1930	4,765	983	3,773	9
1912	2,238	862	1,375	(1)	1931	3,167	567	2,592	7
1913	2,434	879	1,554	(1)	1932	2,462	284	2,172	6
1914	2,111	687	1,424	(1)	1933	2,555	411	2,133	11
1915	2,395	992	1,400	2	1934	3,325	540	2,771	15
1916	3,508	1,621	1,884	3	1935	3,650	724	2,911	15
1917	4,992	2,086	2,900	6	1936	4,662	1,067	3,573	22
1918	5,541	2,153	3,381	7	1937 (prel.)	5,440	1,444	3,965	31

[1] Less than $500,000.

Source: Bureau of Mines, Department of the Interior.

No. 715.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask[1]) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin[2] (New York)	Zinc (St. Louis)	Aluminum[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	20.58
1911–1915	14.973	4.359	41.104	7.205	23.84	12.373	52.77	45.16
1915	17.275	4.673	38.590	13.054	33.98	30.280	87.01	47.13
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	18.691	5.759	63.328	6.988	32.14	8.190	92.15	114.61
1920	17.456	7.957	49.101	7.671	32.72	8.485	81.12	110.90
1921	12.502	4.545	29.916	4.655	21.11	4.957	45.46	75.03
1922	13.382	5.734	32.554	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	42.664	6.607	25.41	7.897	66.50	116.54
1924	13.024	8.097	50.176	6.344	27.03	10.836	69.76	118.82
1925	14.042	9.020	57.893	7.622	27.19	17.494	83.13	119.09
1926	13.795	8.417	65.285	7.337	26.99	15.988	91.90	113.27
1927	12.920	6.755	64.353	6.242	25.40	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	31.694	4.556	23.70	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	8.901	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	79.92	42.93
1937	13.167	6.009	54.337	6.519	20.08	15.355	90.18	51.77

[1] Flasks of 75 pounds prior to 1928; 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; American Metal Market for aluminum, 1909–37.

No. 716.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS FOR CONTINENTAL UNITED STATES, 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	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. 717.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS, CONTINENTAL UNITED STATES

	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 716 and 717: Bureau of the Census, Department of Commerce.

No. 718.—PRODUCING MINES AND QUARRIES: SUMMARY, BY STATES

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	788,357	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	96,422	8,036	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	39,906	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	154,013	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	121,904	156,645	29,717	22,349	50,236	44,297
Illinois	590	486	76,371	52,164	282,801	398,602	90,901	71,828	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	1,166	55,948	40,634	330,264	489,585	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	226	207	11,274	6,766	32,166	38,945	12,466	8,806	18,474	14,648
Missouri	494	401	14,857	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	102	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	268
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	1,298	4,656	18,470	680	930	1,351	3,093
Georgia	82	81	2,307	3,665	12,996	34,386	2,017	2,898	4,082	9,439
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	109,793	120,698	481,635	839,583	122,187	127,551	225,570	263,629
Kentucky	864	617	41,444	57,569	135,098	316,664	46,905	62,442	75,157	102,502
Tennessee	263	167	14,470	11,441	56,675	73,772	12,987	10,333	23,292	22,050
Alabama	348	242	32,579	31,674	145,775	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	11,000	9,664	19,969	18,817
Colorado	523	333	16,710	14,493	114,448	116,592	25,263	22,267	51,063	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	16,533	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	39,966	45,278
Washington	93	90	5,050	3,652	37,998	39,321	7,466	5,796	13,329	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: Bureau of the Census, Department of Commerce.

No. 719.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

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	1,161,415	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	406	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	35,632	20,280	1,914	970	9,369	3,779
Mercury	26	40	748	1,029	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	12,640	18,279	30,381
Basalt	174	144	3,336	3,053	37,307	63,881	3,991	4,498	9,658	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	3,292	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	3,828	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	350	236	5,453	4,139	21,203	31,877	5,367	3,758	10,086	10,753
Feldspar	32	58	349	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	49,639	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	------	14,792	------	1,201	------	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: Bureau of the Census, Department of Commerce.

No. 720.—SUMMARY OF SPECIFIED MINERAL INDUSTRIES IN 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	2,626	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	4,790	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	353	26	120	112	251	411	320
Fluorspar [5]	[10] 78	[1] 1,560	423	315	91	17	82	164	927	568
Fuller's earth	19	2,237	478	159	240	80	91	245	783	498
Granite [5]	404	[1] 13,491	3,024	2,085	277	662	567	1,206	5,940	4,972
Gypsum [5]	58	18,829	4,299	3,199	608	492	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	7,288	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	629	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: Bureau of the Census, Department of Commerce, in cooperation with the Bureau of Mines, Department of the Interior.

No. 721.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES ACCORDING TO NUMBER OF WAGE EARNERS, CONTINENTAL UNITED STATES, 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	110,931	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	28,516	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	59	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. 722.—PRODUCING MINES AND QUARRIES, HOURS OF LABOR, 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	49,002	5,587	26,842	14,589	320,718	29,427	360
Copper	44,284	(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)	*925*	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 721 and 722: Bureau of the Census, Department of Commerce.

No. 723.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

NOTE.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1937 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

Product	Quantity						Value in thousands of dollars					
	1920	1925	1930	1935	1936	1937	1920	1925	1930	1935	1936	1937
METALLIC												
Aluminum ... 1,000 pounds	138,000	140,000	229,035	119,295	224,929	292,681	41,375	36,430	50,961	22,070	41,612	55,609
Antimonial lead[1] ... short tons	12,535	19,667	13,711	[1] 16,384	[1] 23,230	[1] 27,524	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] 3,451	[3] 4,057	[2] 473	[2] 918	[2] 258	(3)	(3)	(3)
Ore and concentrates ... do				3,616	3,867	4,250				(4)	(4)	138
Bauxite ... long tons	521,308	316,540	330,612	233,912	372,005	420,232	3,247	1,988	1,928	1,557	2,199	2,445
Cadmium ... pounds	129,283	502,824	2,777,762	3,477,091	3,633,495	3,995,739	151	277	1,778	(4)	2,889	4,555
Chromite ... long tons	2,502	108	80	515	269	2,321	45	2	2	6	3	15
Copper,[5] sales value ... 1,000 pounds	1,209,061	1,674,870	1,394,389	762,587	1,222,819	1,669,322	222,467	237,832	181,271	63,295	112,499	201,988
Ferro-alloys ... long tons	612,808	616,222	650,240	592,176	853,531	970,651	77,519	53,048	51,900	48,892	69,135	86,140
Gold[6] ... 1,000 troy ounces	2,476	2,412	2,286	3,609	4,357	4,792	51,187	49,860	47,248	126,325	152,509	167,723
Iron:												
Ore ... 1,000 long tons	69,281	63,925	55,201	33,426	51,466	72,348	[7] 285,006	[7] 160,797	[7] 145,619	[7] 83,035	[7] 131,741	[7] 207,828
Pig ... do	35,710	36,815	29,905	21,178	30,799	35,224	1,140,904	739,316	512,165	358,145	541,694	731,139
Lead (refined),[5] sales value ... short tons	476,849	654,921	573,740	310,505	387,698	443,142	76,296	113,956	57,374	24,840	35,668	52,291
Manganese ore (35 percent or more Mn.) ... long tons	94,420	98,324	67,035	26,428	32,119	40,241	2,396	1,858	1,437	557	696	1,062
Manganiferous ore (5 to 35 percent Mn.) ... long tons	767,664	1,448,054	785,390	524,184	940,519	1,340,972	2,438	3,752	2,402	1,323	2,235	3,858
Mercury, metal ... flasks (76 pounds net)	13,216	9,053	21,553	17,518	16,569	16,508	1,067	763	2,479	1,261	1,324	1,489
Mercury ore ... short tons	109,000	65,000	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Nickel ... do	365	272	308	160	107	219	293	170	214	130	(4)	(4)
Ores (crude), tailings, etc.:												
Copper ... 1,000 short tons	36,765	53,262	47,382	19,103	38,505	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Copper-lead and copper-lead zinc ... do	27	229	246	1	75	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Dry and siliceous (gold and silver) ... do	8,590	8,995	7,767	14,016	16,949	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Lead ... do	7,200	8,560	8,080	3,494	3,898	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Lead-zinc ... do	12,383	17,741	10,645	7,471	8,889	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Zinc ... do	2,651	3,411	5,980	7,944	11,098	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Platinum and allied metals (value at New York City) ... troy ounces	41,544	49,643	43,502	42,060	46,946	45,258	4,698	5,662	2,049	1,414	1,968	2,114
Silver ... 1,000 troy ounces	55,362	66,155	50,748	45,924	63,812	71,735	60,802	45,912	19,538	33,008	49,423	55,308
Tin (metallic equivalent) ... short tons	22	14	17	50	113	162	22	16	10	50	105	176
Titanium ore (ilmenite) ... do		5,566	(4)	(4)	(4)	(4)		89	(4)	(4)	(4)	(4)
Titanium ore (rutile) ... do	277	46	(4)	(4)	(4)	(4)	(4)	11	(4)	(4)	(4)	(4)
Tungsten ore (60 per cent concentrates) ... do	216	1,190	702	2,395	2,612	3,500	102	756	509	1,921	2,324	4,094
Uranium and vanadium ores ... do	35,076	13,070	(4)	(4)	(4)	131,080	2,401	531	(4)	(4)	(4)	(4)
Zinc,[5] sales value ... do	450,045	555,631	489,361	412,184	491,803	551,165	72,907	84,456	46,979	36,272	49,180	71,651
Total metallic products (approximate)							1,762,350	1,380,280	982,550	723,800	1,067,200	1,444,400

For footnotes see p. 713.

No. 723.—Mineral Products of the United States: Quantities and Values—Continued

Products	Quantity						Value in thousands of dollars					
	1920	1925	1930	1935	1936	1937	1920	1925	1930	1935	1936	1937
NONMETALLIC												
Arsenious oxide ... short tons	11,502	12,317	17,425	12,670	15,581	17,636	2,021	1,199	1,008	497	619	542
Asbestos ... do	1,648	1,258	4,242	8,920	11,064	12,079	678	52	289	293	314	345
Asphalt:												
Native ... do	898,993	584,850	702,777	349,938	581,064	485,384	13,199	4,148	4,463	2,201	3,261	3,019
Oil (including road oil) ... do		1,206,700	2,273,546	2,715,104	3,607,603	3,844,326		[7] 15,306	[7] 21,570	[7] 24,112	[7] 31,791	[7] 36,671
Barite (crude) ... do	228,113	228,063	234,932	225,111	283,160	355,888	2,142	1,703	1,538	1,251	1,675	2,226
Borates ... do	120,320	113,700	177,360	272,967	313,759	358,898	2,173	3,086	5,352	5,382	6,156	7,233
Bromine ... 1,000 pounds	1,161	1,566	8,463	16,429	20,609	26,200	745	488	2,110	3,483	4,038	5,180
Calcium-magnesium chloride ... short tons	27,849	67,870	116,160	83,546	125,911	101,547	539	1,387	2,208	1,039	1,910	1,295
Cement ... 1,000 bbls. (376 lbs. net)	97,079	159,047	160,846	76,244	114,611	115,678	195,590	281,076	231,249	114,810	172,778	171,414
Clay:												
Products							373,670	[9] 423,447	[9] 275,134	[9] 155,536	[9] 214,045	([9])
Raw ... 1,000 short tons	3,116	4,030	3,963	2,923	3,782	4,237	[7] 11,614	[7] 12,737	[7] 12,521	[7] 10,824	[7] 13,423	[7] 15,708
Coal:												
Bituminous [10] ... do	568,667	520,053	467,526	372,373	[11] 439,088	[11] 442,455	2,129,933	1,060,402	795,483	658,063	[11] 770,955	[11] 787,000
Pennsylvania anthracite ... do	89,598	61,817	69,385	54,159	54,580	51,856	434,252	327,665	354,574	210,131	227,004	197,599
Coke ... do	51,345	51,267	47,972	35,141	46,275	52,362	[7] 494,246	[7] 262,559	[7] 209,137	[7] 176,853	[7] 232,374	([12])
Diatomite and tripoli ... short tons	102,155	102,418	[13] 32,439	[13] 27,375	[13] 28,487	[13] 34,936	1,649	1,357	[13] 508	[13] 383	[13] 392	[13] 451
Emery ... do	2,327	769	555	176	325	320	22	6	6	2	3	3
Feldspar (crude) ... long tons	135,551	185,706	171,788	189,550	244,726	268,532	851	1,316	1,067	1,005	1,303	1,383
Fluorspar ... short tons	186,778	113,669	95,849	123,741	176,877	181,230	4,719	2,052	1,747	1,861	3,120	3,667
Fuller's earth ... do	128,487	206,574	335,644	227,745	230,814	226,165	2,506	2,924	4,327	2,230	2,265	2,296
Garnet for abrasive purposes ... do	5,476	8,429	5,003	3,060	3,820	4,863	434	713	314	257	316	383
Gems and precious stones							265	([14])	([14])	([14])	([14])	([14])
Graphite:												
Amorphous ... short tons	4,694	3,536	1,941	([4])	([4])	([4])	50	40	21	([4])	([4])	([4])
Crystalline ... 1,000 pounds	9,632	2,257	([4])	([4])	([4])	([4])	576	57	([4])	([4])	([4])	([4])
Grindstones and pulpstones ... short tons	53,484	37,340	18,700	14,587	13,175	14,541	1,707	1,706	771	505	498	573
Gypsum [15] ... 1,000 short tons	3,129	5,678	3,471	1,904	2,713	3,058	24,533	47,577	27,051	18,860	26,222	4,783
Lime ... do	3,570	4,581	3,388	2,987	3,749	4,124	37,544	42,609	25,616	21,749	26,934	30,091
Magnesite (crude) ... short tons	303,767	120,660	129,320	177,154	207,119	203,437	2,748	1,433	1,033	1,192	1,412	1,483
Mica:												
Scrap ... do	5,723	9,695	6,732	[16] 18,852	[16] 20,955	[16] 25,196	167	174	109	[16] 244	[16] 261	[16] 355
Sheet ... 1,000 pounds	1,683	1,794	1,465	937	1,319	1,695	547	322	177	161	204	285
Millstones							63	22	18	10	11	8
Mineral paints:												
Zinc and lead pigments [17] ... short tons	143,244	199,190	147,948	137,972	175,734	163,617	24,565	28,311	18,420	13,828	15,851	17,089
Mineral waters ... 1,000 gallons	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	2,167,802	2,370,000	196,194	265,271	416,090	429,374	476,813	511,002
Natural gasoline ... 1,000 gallons	384,744	1,127,470	2,210,494	1,651,986	1,796,340	2,039,100	71,788	120,383	128,160	70,940	84,572	97,265
Oilstones, etc ... short tons	1,144	970	651	439	752	810	232	272	137	106	121	113
Peat ... do	73,204	72,436	([14])	37,060	46,126	51,223	922	453	([14])	199	267	305

Petroleum ... 1,000 barrels (42 gals.)	442,929	763,743	898,011	996,596	1,099,687	1,277,653	1,360,745	1,284,960	1,070,200	961,440	1,199,820	1,530,000
Phosphate rock ... 1,000 long tons	4,104	3,482	3,926	3,042	3,352	3,956	25,080	11,546	13,997	10,952	11,406	12,975
Potash (K_2O) ... short tons	41,444	25,802	56,610	224,721	222,810	266,938	7,463	1,204	2,986	4,993	6,969	9,020
Pumice ... do	41,838	40,380	56,843	60,000	72,915	71,007	114	179	336	247	328	302
Pyrites ... long tons	310,777	170,081	[18] 347,512	[18] 514,192	[18] 547,236	[18] 584,166	1,597	650	[18] 1,029	[18] 1,583	[18] 1,666	[18] 1,778
Salt ... 1,000 short tons	6,840	7,398	8,054	7,927	8,829	9,242	29,894	26,162	25,009	21,838	23,306	24,132
Sand and gravel:												
Sand, glass ... 1,000 short tons	2,166	2,335	1,849	2,126	2,395	2,799	4,749	3,836	3,211	3,735	4,051	4,747
Sand (molding, building, etc.) and gravel ... 1,000 short tons	79,875	169,667	195,203	121,798	175,935	186,861	60,913	103,706	111,966	58,242	86,257	92,726
Sand-lime brick ... thousands	169,761	[9] 315,595	[9] 191,193	[9] 61,757	[9] 103,189	([9])	2,490	[9] 3,781	[9] 1,951	[9] 545	[9] 923	([9])
Silica (quartz) ... short tons	68,190	25,444	13,156	17,178	12,986	13,012	320	205	121	112	97	66
Slate ... do	468,700	724,600	463,610	330,200	454,760	444,560	8,726	12,575	7,912	3,650	5,485	5,605
Stone ... 1,000 short tons	78,527	115,851	126,996	[19] 83,159	[19] 131,416	[19] 133,143	133,542	174,217	178,949	[19] 87,824	[19] 141,526	[19] 146,213
Sulphur ... 1,000 long tons	1,518	1,858	1,990	1,635	1,969	2,467	30,000	29,000	35,800	29,300	35,400	44,300
Sulphuric acid (60° Baumé) from copper and zinc smelters ... 1,000 short tons	[20] 1,230	1,007	1,188	604	733	([4])	13,617	7,513	9,544	4,548	5,741	([4])
Talc and soapstone ... short tons	210,635	[21] 182,256	[21] 179,385	[21] 172,716	[22] 216,191	[22] 229,999	3,035	[21] 2,012	[21] 2,108	[22] 1,848	[22] 2,343	[22] 2,562
Total nonmetallic products (approximate)							**5,214,170**	**4,291,100**	**3,773,400**	**2,910,900**	**3,573,200**	**3,964,600**
SUMMARY OF VALUES												
Metallic products							1,762,350	1,380,280	982,550	723,800	1,067,200	1,444,400
Nonmetallic products (exclusive of fuels)							1,021,260	1,232,420	1,008,900	580,900	814,000	841,700
Mineral fuels							4,192,910	3,058,680	2,764,500	2,330,000	2,759,200	3,122,900
"Unspecified" (metallic and nonmetallic) products (partly estimated)							4,820	6,250	8,850	15,300	21,600	31,000
Grand total (approximate)							**6,981,340**	**5,677,630**	**4,764,800**	**3,650,000**	**4,662,000**	**5,440,000**

[1] From both domestic and foreign ores. Data for 1935, 1936, and 1937 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] Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value.

[3] Largely from foreign ore in 1935, 1936, and 1937. Value not included in total value. Bureau of Mines not at liberty to publish value figures.

[4] Value included in total value of metallic or nonmetallic products. Bureau of Mines not at liberty to publish figures or not available. [5] Product from domestic ores only.

[6] Valued at $20.67+per ounce through 1930; at $35.00 per ounce in 1935 and subsequent years.

[7] Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.

[8] Figures not available. Value of products derived therefrom, or of raw materials used, is included elsewhere.

[9] Figures obtained through cooperation with Bureau of the Census. Data for 1937 not yet available; estimate included in total value of nonmetallic products.

[10] Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.

[11] According to National Bituminous Coal Commission, except value for 1937 which was estimated by Bureau of Mines, based on Bureau of Labor Statistics composite wholesale price index. [12] Value not included in total value; figure not yet available.

[13] Tripoli only. Value of diatomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

[14] No canvass. Estimate of value included in total value of nonmetallic products. [16] Includes mica recovered by grinding mica schist; excluded in prior years.

[15] Gypsum mined: For 1937, value of crude at mine; for earlier years, value as sold (crude and calcined). [17] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.

[18] Figures include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin; similar output in 1915 to 1925 was not included.

[19] Includes soapstone used as dimension stone. [20] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.

[21] Talc only. Value of soapstone in 1925 and 1930 is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

[22] Talc and ground soapstone.

Source: Bureau of Mines, Department of the Interior.

No. 724.—MINERAL PRODUCTION, BY STATES

NOTE.—The sum of the State totals in the table below does not agree with the total for the United States given in tables 714 and 723 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	1930	1931	1932	1933	1934	1935	1936
Continental United States	4,251,999	2,855,855	2,286,505	2,322,161	3,034,572	3,262,771	4,074,206
New England	40,619	32,370	21,383	16,698	17,281	17,228	23,244
Maine	6,228	4,889	3,174	2,594	2,352	2,560	3,423
New Hampshire	3,337	2,796	1,352	1,457	1,149	694	1,182
Vermont	11,637	8,422	6,401	5,793	4,853	5,097	6,225
Massachusetts	12,723	11,170	8,039	4,917	6,165	5,650	7,911
Rhode Island	1,209	793	506	387	485	571	929
Connecticut	5,485	4,300	1,911	1,551	2,276	2,656	3,573
Middle Atlantic	935,351	714,283	497,983	487,367	626,568	607,499	730,768
New York	99,622	78,007	50,176	42,940	54,626	58,409	76,225
New Jersey	57,206	41,633	23,073	22,580	25,010	28,515	37,405
Pennsylvania	778,523	594,643	424,734	421,847	546,933	520,576	617,138
East North Central	543,627	364,475	236,420	261,371	317,719	354,097	445,408
Ohio	186,972	130,928	87,997	91,146	117,505	126,134	147,833
Indiana	79,227	50,852	34,603	34,011	39,417	42,513	55,270
Illinois	148,311	108,066	71,693	74,837	89,214	96,484	121,439
Michigan	111,406	62,786	34,714	54,223	61,831	77,149	105,078
Wisconsin	17,711	11,843	7,414	7,154	9,752	11,818	15,788
West North Central	325,711	192,733	133,564	165,857	206,240	239,712	323,184
Minnesota	103,931	55,275	12,273	42,472	48,328	57,313	94,924
Iowa	33,358	21,615	18,523	15,155	19,326	21,710	28,316
Missouri	69,075	41,806	29,245	30,588	32,955	35,800	48,384
North Dakota	3,056	2,271	2,386	2,961	2,550	2,544	2,902
South Dakota	11,076	11,339	11,118	14,659	19,173	22,210	23,088
Nebraska	4,962	3,623	1,548	2,047	2,791	3,229	3,847
Kansas	100,253	56,804	58,471	57,975	81,118	96,906	121,723
South Atlantic	382,604	291,275	200,938	219,898	306,790	316,939	374,699
Delaware	425	395	300	135	272	230	433
Maryland	14,990	11,330	7,234	7,015	10,128	10,036	13,295
District of Columbia	1,288	282	1,819	423	407	479	574
Virginia	34,603	26,150	16,927	18,846	28,309	30,923	37,500
West Virginia	290,119	221,735	156,643	172,727	241,474	245,402	285,138
North Carolina	7,462	5,554	2,466	3,365	5,342	6,775	9,865
South Carolina	3,341	3,031	951	1,014	1,323	1,843	2,552
Georgia	14,892	11,947	7,490	7,529	7,986	9,804	12,640
Florida	15,484	10,851	7,108	8,844	11,548	11,447	12,701
East South Central	201,427	140,224	95,527	108,379	144,915	159,094	198,013
Kentucky	111,691	74,868	59,076	65,536	89,042	98,486	116,698
Tennessee	32,499	24,461	14,562	16,785	23,526	25,743	32,306
Alabama	55,462	38,507	19,170	23,291	29,827	31,772	45,178
Mississippi	1,775	2,388	2,719	2,766	2,521	3,093	3,832
West South Central	947,374	564,491	651,900	605,728	848,022	904,923	1,118,769
Arkansas	34,901	18,692	15,540	12,710	16,082	17,609	21,517
Louisiana	71,929	61,693	61,097	54,886	85,211	107,545	153,367
Oklahoma	390,171	181,905	185,121	172,561	237,209	251,701	305,152
Texas	450,373	302,201	390,141	365,571	509,521	528,069	638,733
Mountain	369,988	231,619	146,301	150,936	218,624	283,815	386,441
Montana	50,995	32,360	19,023	21,662	31,430	52,097	65,587
Idaho	22,904	13,177	9,478	12,429	16,708	21,364	30,008
Wyoming	46,735	30,893	27,343	22,025	27,640	30,670	33,977
Colorado	46,271	32,970	25,800	27,259	39,473	44,413	56,901
New Mexico	31,850	25,350	20,264	23,355	30,079	33,502	45,358
Arizona	82,934	41,603	15,204	12,571	26,063	38,848	60,312
Utah	64,224	40,302	22,620	24,180	32,527	41,933	61,104
Nevada	24,075	14,964	6,568	7,455	14,703	20,988	32,693
Pacific	505,296	324,385	302,489	305,927	348,412	379,463	473,679
Washington	20,076	14,801	12,817	9,388	12,945	13,688	23,093
Oregon	6,170	5,045	2,989	3,505	4,211	5,596	7,147
California	479,050	304,539	286,683	293,035	331,256	360,179	443,440
Alaska	13,707	12,371	11,526	12,681	19,579	18,812	23,738

Source: Bureau of Mines, Department of the Interior.

No. 725.—IRON ORE: Production, Shipments, Exports, and Imports

NOTE.—In thousands of long tons (2,240 pounds). Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905, ore containing 5 percent or more of manganese has been excluded

Yearly average or year	Production	Shipments	Exports	Imports
1881-1890	10,385			766
1891-1900	17,551			587
1901-1910	41,339		271	1,180
1911-1915	51,595	50,592	953	1,841
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
1924	54,267	52,083	595	2,047
1925	61,908	63,925	631	2,191
1926	67,623	69,293	809	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

Production	1934	1935	1936	1937
REGION				
Lake Superior [1]	21,031	25,368	41,781	61,657
Birmingham	2,226	3,182	4,008	5,953
All other	1,331	1,990	3,000	4,483
STATE				
Alabama	2,344	3,278	4,180	6,308
California	16	19	31	([2])
Michigan	5,039	5,206	9,178	12,085
Minnesota	15,390	19,375	31,634	48,417
New Jersey	139	72	160	520
New York	245	297	778	2,625
Pennsylvania	525	980	1,132	
Utah	161	161	154	191
Wisconsin	602	788	970	1,156
Wyoming	117	339	507	708
All other	10	25	65	84
KIND				
Hematite	[3] 23,391	[3] 28,920	[3] [4] 46,108	[3] 68,073
Brown ore	286	267	[4] 475	[5] 666
Magnetite	[3] 910	[3] 1,352	[3] 2,206	[3] [5] 3,354
Carbonate	1	1	1	1

[1] Includes only those mines in Wisconsin which are in true Lake Superior district. [2] Less than 500 tons. [3] Some hematite included with magnetite. [4] Some brown ore included with hematite. [5] Some brown ore included with magnetite.

No. 726.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

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

	1900	1910	1915	1920	1925	1930	1934	1935	1936	1937
Total pig iron and ferro-alloys	13,789	27,304	29,916	36,926	36,701	31,752	16,139	21,373	31,029	37,127
By States:										
New England	14	17	8	10		2,211	1,194	1,611	2,464	3,103
New York, New Jersey	463	2,203	2,105	2,601	2,188					
Pennsylvania	6,366	11,272	12,791	13,983	12,523	10,305	4,409	5,700	9,433	11,809
Indiana, Michigan	104	1,250	1,987	2,940	4,120	3,934	2,185	2,898	4,168	4,722
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	8,863	6,805				
Illinois	1,363	2,676	2,447	3,281	3,604	3,345	8,351	11,163	14,964	17,494
Wisconsin, Minnesota	185	307	373	711	468	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	3,003	4,022	5,686	7,185
For maker's use	(1)	(1)	21,333	26,202	27,710	24,670	13,136	17,351	25,343	29,943
By kinds:										
Basic	1,072	9,085	13,093	16,738	19,667	18,393	10,102	13,618	20,477	24,781
Bessemer and low-phosphorus	7,979	11,246	10,523	12,062	9,419	7,315	3,431	4,239	5,877	6,315
Foundry (incl. ferrosilicon)	3,376	5,260	4,844	5,958	5,410	3,960	1,505	1,908	2,391	3,239
Malleable	173	843	830	1,311	1,554	1,572	827	1,206	1,717	2,115
Forge	793	564	316	318	241	51	21	5	34	22
Ferromanganese, spiegeleisen, and all other	395	306	310	539	409	461	252	396	533	655
By fuels:										
Coke [2]	11,728	26,258	29,535	36,300	36,504	31,656	16,113	21,298	30,952	37,046
Anthracite	1,677	649	85	303						
Charcoal	384	397	296	323	196	97	26	75	77	82
Materials used:										
Iron ore, briquettes, etc	24,131	51,739	55,137	66,450	65,450	[3] 53,662	[3] 26,042	[3] 35,183	[3] 51,405	[3] 62,087
Cinder, scale, scrap, etc	1,600	2,800	4,483	4,986	5,017	[3] 6,296	[3] 3,439	[3] 4,257	[3] 5,676	[3] 6,449
Coke (1,000 tons of 2,000 pounds) [4]	(1)	(1)	33,329	42,046	39,296	[3] 31,168	[3] 15,592	[3] 20,272	[3] 30,289	[3] 36,540
Limestone	7,422	14,528	14,790	17,825	15,154	[3] 11,699	[3] 5,628	[3] 7,523	[3] 10,938	[3] 13,043
Total number furnaces Dec. 31	406	473	445	452	395	300	268	258	246	241
Furnaces in blast Dec. 31	232	206	310	216	238	97	68	124	176	95

[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 725, Bureau of Mines, Department of the Interior; table 726, American Iron and Steel Institute.

No. 727.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

NOTE.—In long tons (2,240 pounds). Prior to 1901 exports and imports are for years ended June 30 following year specified; calendar years thereafter. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For individual years 1871 to 1908 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] 389, 799	1921	16, 688, 126	28, 405	44, 842	19, 783, 797
1876–1880	2, 562, 763	3, 407	276, 600	803, 479	1922	27, 219, 904	33, 332	498, 059	35, 602, 926
1881–1885	4, 301, 096	5, 311	325, 290	1, 652, 268	1923	40, 361, 146	37, 559	474, 723	44, 943, 696
1886–1890	7, 079, 312	12, 407	229, 970	3, 202, 763	1924	31, 405, 790	45, 818	276, 966	37, 931, 939
1891–1895	8, 133, 014	22, 983	54, 778	4, 675, 736	1925	36, 700, 566	39, 907	516, 948	45, 393, 524
1896–1900	11, 491, 937	224, 268	34, 308	8, 439, 938	1926	39, 372, 729	28, 606	514, 288	48, 293, 763
1901–1905	18, 239, 665	45, 465	314, 765	15, 367, 931	1927	36, 565, 645	55, 899	175, 529	44, 935, 185
1906–1910	24, 024, 722	78, 618	275, 036	22, 166, 783	1928	38, 155, 714	96, 743	194, 636	51, 544, 180
1912	29, 726, 937	272, 676	129, 325	31, 251, 303	1929	42, 613, 983	53, 749	223, 680	56, 433, 473
1913	30, 966, 152	277, 648	156, 450	31, 300, 874	1930	31, 752, 169	25, 344	182, 446	40, 699, 483
1914	23, 332, 244	114, 423	139, 683	23, 513, 030	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, 944	42, 132, 934	1937	37, 127, 277	818, 000	161, 272	[2] 50, 568, 701

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

No. 728.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

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

	1910	1915	1920	1925	1930	1935	1936	1937
Rolled products, total	21, 621	24, 393	32, 348	33, 387	29, 513	23, 965	33, 801	36, 766
Rails	3, 636	2, 204	2, 604	2, 785	1, 873	712	1, 220	1, 446
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	1, 185	1, 412
Rerolled	--------	102	127	84	36	19	34	33
Sheets and plates	4, 955	6, 078	9, 338	9, 808	9, 067	8, 691	12, 152	14, 037
Universal	--------	955	1, 250	1, 196	1, 041	439	677	836
Sheared	--------	1, 923	3, 505	2, 557	2, 622	1, 016	1, 850	2, 407
Black sheets [2]	--------	1, 837	2, 886	4, 097	3, 512	5, 176	6, 996	7, 840
Black plates for tinning	--------	1, 093	1, 449	1, 632	1, 692	1, 795	2, 283	2, 610
Other black-plate specialties	--------	270	247	325	201	266	346	344
Wire rods	2, 242	3, 096	3, 137	2, 845	2, 349	2, 441	2, 998	3, 009
Structural shapes	[3] 2, 267	2, 437	3, 307	3, 604	3, 512	1, 750	2, 898	3, 277
Merchant bars	3, 786	4, 131	6, 130	5, 659	4, 132	[4] 3, 699	[4] 5, 063	[4] 5, 187
Skelp	1, 828	2, 299	3, 220	3, 230	2, 682	1, 352	2, 157	2, 280
Hoops	262	282	333	205	80	90	109	103
Bands and cotton ties	425	438	389	356	46	25	38	63
Splice and tie-plate bars	--------	536	576	823	606	268	472	451
Rolled forging blooms, billets, etc.	460	651	447	345	304	340	473	667
Bars for reenforced concrete work	241	353	572	820	850	557	1, 029	845
Hot-rolled strips and flats for cold rolling	1, 519	1, 888	2, 294	2, 908	1, 942	2, 648	3, 225	2, 896
Blanks or pierced billets for seamless tubes					1, 248	953	1, 616	1, 922
All other rolled products					814	[4] 430	[4] 351	[4] 585
Miscellaneous products:								
Tin plate	648	983	1, 375	1, 544	1, 660	1, 695	2, 103	2, 418
Terneplate and long terne sheets	75	73	71	114	103	191	252	269
Galvanized sheets	--------	706	835	1, 134	1, 045	1, 028	1, 288	1, 380
Galvanized formed products	--------	50	64	80	65	60	70	54
Wire nails	567	651	734	690	427	396	532	485
Cut nails and cut spikes	45	35	38	33	21	18	23	22
Wrought pipe or tubes [5]	--------	1, 920	3, 003	3, 031	2, 247	964	1, 484	1, 664
Boiler tubes [5]	--------	97	119	63	31	16	20	17
Seamless pipes or tubes	--------	140	202	568	1, 194	877	1, 415	1, 757
Cast-iron pipe and fittings	--------	1, 085	792	1, 719	1, 282	615	960	890
Forgings made by rolling mills	320	524	540	388	476	[6] 315	[6] 405	[6] 482

[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.

Source of tables 727 and 728: American Iron and Steel Institute (exports and imports from Government tatistics).

No. 729.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

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	30,505	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	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730	6,691,702
1917	33,067,700	2,944,161	512,669	9,263	8,267,616	851,529	1,748	6,681,141
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517	6,587,369
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	9,337,680	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	4,250,417
1936	33,801,379	1,219,846	73,455	7,768	12,152,317	309,600	[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

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	2,927,674	3,518,746	158,284	4,130	3,029,964	300,594	1,473	5,903,805
1917	2,674,231	3,137,138	181,941	1,060	3,110,000	294,150	6,216	6,253,413
1918	2,564,011	2,562,390	148,523	7,677	2,849,969	232,729	3,504	5,251,988
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	207,022	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	2,844,656	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	2,062,858	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	2,997,880	34,872	18,911	2,897,631	87,628	61,584	6,285,592
1937	2,279,862	3,009,290	60,006	15,819	3,276,846	185,779	78,273	6,686,551

[1] Merchant bars include concrete reinforcing bars and, beginning 1934, certain miscellaneous bars previously included in "All other products."
[2] Average for years 1887–1890.
[3] 1905 only; data not available for earlier years.
[4] Includes skelp.
[5] Average for years 1892–1895.
[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: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 730.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in tonnages shown. The products chiefly used further in manufacture are wire rods, plates and sheets, black plates for tinning, and skelp. The figures 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. For more detailed statistics, see Census reports for these industries

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1929	1933	1935	1929	1933	1935
STEEL WORKS AND ROLLING MILLS							
All products, total value					3,365,789	1,143,889	1,931,318
Unrolled steel, total	Ton [1]	56,161	23,163	34,405			
Ingots—							
For sale and interplant transfer	do	661	133	237	17,150	3,932	9,473
Produced and consumed in works	do	54,133	22,751	33,654			
Direct steel castings—							
For sale and interplant transfer [2]	do	1,212	222	405	191,398	32,296	67,442
Produced and consumed in works	do	155	56	109			
Semifinished rolled products, for sale and interplant transfer, total.	do	12,779	5,470	7,420	421,328	137,957	209,831
Blooms, billets, and slabs, except for forging.	do	7,361	3,025	4,327	244,792	79,409	125,454
Rolled blooms and billets for forging	do	270	64	201	10,327	2,008	7,704
Sheet and tin-plate bars	do	5,062	2,369	2,874	162,316	56,026	75,799
Muck and scrap bar	do	87	12	18	3,893	423	874
Finished rolled products and forgings, total.	do	39,883	16,161	[3] 24,318			
Produced and consumed in works	do	9,532	4,994	[3] 8,149			
For sale and interplant transfer	do	30,350	11,166	[3] 16,169	1,604,833	495,544	[3] 832,216
Rails	do	2,666	393	692	113,925	15,157	25,541
Rail joints, fastenings, tie plates, etc.	do	872	198	270	47,761	9,316	12,885
Structural shapes (not fabricated)	do	4,470	992	1,618	188,898	35,216	67,308
Concrete reenforcing bars	do	972	357	523	42,417	12,309	22,244
Merchant bars, mill shafting, etc.—							
Steel	do	6,228	2,275	3,322	358,601	107,840	191,007
Iron	do	187	45	51	13,284	3,348	3,623
Bolt and nut rods, spike and chain rods, etc.	do	121	34	40	5,683	1,361	1,798
Wire rods	do	1,155	736	920	49,042	26,179	36,074
Plates No. 12 and thicker	do	5,218	1,406	1,745	228,236	53,508	78,781
Sheets No. 13 and thinner	do	4,041	2,086	[4] 3,886	306,936	136,919	[4] 218,523
Skelp	do	1,271	468	702	50,121	15,206	25,216
Hot-rolled strips for cold rolling	do	479	455	934	21,347	18,041	45,405
Other strips and cotton ties	do	1,566	742	859	75,626	29,917	46,220
Axles	do	150	55	43	12,039	2,788	3,042
Armor plate and ordnance	do	10	8	21	3,287	2,080	8,846
Car and locomotive wheels	do	209	69	83	19,352	6,486	7,909
All other rolled and forged products	do	732	249	[3] 459	68,278	19,872	[3] 37,793
Scrap iron and steel, for sale and interplant transfer.	do	2,830	1,031	1,537	42,101	10,255	17,315
Cinder and scale	do	1,194	709	1,261	2,731	1,269	2,961
All other (including value added to rolled products by further manufacture).	do				1,086,248	402,636	792,079
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value					931,378	302,829	476,070
Iron and steel wire:							
Plain wire, total [5]	Ton [6]	3,097	1,962	2,349			
For sale and interplant transfer	do	1,204	667	842	88,456	43,586	60,263
Produced and consumed in works	do	1,892	1,295	1,507			
Galvanized wire: For sale and interplant transfer.	do	269	168	195	19,656	9,936	14,335
Other coated wire: For sale and interplant transfer.	do	52	34	37	8,143	4,184	4,646
Cold-rolled from drawn wire: For sale and interplant transfer.	do	29	15	19	4,256	2,882	3,339
Copper wire:							
For sale and interplant transfer	Lb	544,740	99,135	143,581	118,628	10,305	19,506
Produced and consumed in works	do	407,996	169,714	272,268			
Drawn on contract or custom basis from rods or bars furnished by others.	do	151,761	9,673	12,863			

For footnotes, see p. 719.

No. 730.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES—Continued

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1929	1933	1935	1929	1933	1935
WIRE AND WIRE PRODUCTS (ALL METALS)—*continued*							
Brass and bronze wire:							
For sale and interplant transfer	Lb	86,805	55,015	63,644	20,332	7,527	10,874
Produced and consumed in works	do	5,581	7,492	11,171			
Other metal wire:							
For sale and interplant transfer	do	48,487	14,902	19,395	23,590	[7] 6,760	[7] 9,789
Produced and consumed in works	do	21	47	801			
Fabricated wire products for sale:							
Iron and steel—							
Nails, brads, and spikes [8]	Keg [9]	13,601	9,101	9,580	44,935	24,312	30,621
Tacks [8]	Lb	6,540	([10])	4,563	640	374	388
Staples	do	58,879	([10])	50,211	2,342	1,757	1,653
Barbed wire	Ton [6]	222	182	196	13,824	8,608	10,772
Rope or cable, except insulated	do	153	49	77	46,877	13,615	26,593
Strand, galvanized	do	49	20	24	5,618	2,008	3,125
Poultry netting	do	47	29	34	7,536	3,725	3,869
Woven wire fence, except poultry netting.	do	366	203	233	31,041	13,907	17,634
Fly screening	Lb	64,728	42,986	46,872	9,942	5,862	6,335
Other wire cloth	do		26,392	39,494	6,555	3,136	4,928
Concrete reenforcement wire	Ton [6]		([10])	([10])	11,786	3,665	4,935
Other woven wire	do	139	28	26		4,837	4,798
Automobile skid chains					11,401	3,337	7,258
Bale ties	Lb	148,474	124,090	151,769	5,088	3,680	5,542
Wire springs					47,903	24,104	45,135
Welding wire	Lb		23,328	28,385	42,872	1,581	2,148
Other fabricated iron and steel wire products.						19,524	40,367
Nonferrous wire products—							
Fly screening—							
Copper	Lb	4,993	9,788	11,142	1,768	2,388	3,096
Other metals	do	10,211			3,336		
Fourdrinier and cylinder wire cloth.	do	3,108	1,985	2,670	4,765	3,189	4,113
Other wire cloth—							
Copper	do	1,168	([10])	([10])	588	1,227	1,861
Other metals	do	1,450	([10])	([10])	683		
Copper strand, except insulated	do	92,395	24,771	42,541	18,617	2,480	5,986
Other fabricated nonferrous wire products, except insulated wire.					6,125	2,350	2,083
Fabricated wire products not distributed above.						2,255	
Insulated wire and cable					323,982	65,637	122,226
TIN PLATE AND TERNEPLATE							
All products, total value					213,084	151,601	195,845
Tin plate	Lb	4,031,856	3,764,702	3,789,159	194,107	142,434	175,730
Terneplate	do	345,592	198,254	426,843	15,568	6,336	16,593
All other products					3,409	2,830	3,522
CAST-IRON PIPE AND FITTINGS							
All industries, total value					85,890	22,633	40,392
Quantity reported	Ton [6]	1,736	520	743	78,296	20,065	35,315
Quantity not reported					7,594	2,569	5,077

[1] Of 2,240 pounds.
[2] In addition steel castings were produced for sale by establishments classified in other industries as follows: For 1929, 33,550 tons valued at $6,635,760; 1933, 14,495 tons valued at $2,508,632; 1935, 58,289 tons valued at $8,254,925.
[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 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 13,615 tons, valued at $9,147,892, 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] Includes $313,000 in 1933 and $673,000 in 1935 for which no quantity was reported.
[8] Not including value of nails and tacks made from nail and tack plate.
[9] Of 100 pounds.
[10] No comparable data; quantity not reported in all cases.

Source: Bureau of the Census, Department of Commerce.

No. 731.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Year	Total	Bessemer	Open hearth			Crucible	Electric	Miscellaneous
			Total	Basic	Acid			
1890	4,277,071	3,688,871	513,232			71,175		3,793
1900	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,562		4,862
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	502,152	3,535
1925	45,393,524	6,723,962	38,034,488	37,087,342	947,146	19,562	615,512	
1930	40,699,483	5,035,459	35,049,172	34,268,316	780,856	2,253	612,599	
1934 [1]	26,055,289	2,162,357	23,531,105	23,256,417	274,688	531	361,296	
1935 [1]	34,092,594	2,835,031	30,715,429	30,361,237	354,192	642	541,492	
1936 [1]	47,767,856	3,458,457	43,536,128	43,114,826	421,302	816	772,455	
1937 [1]	50,568,701	3,449,927	46,272,303	45,772,510	499,793	934	845,537	

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

No. 732.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by table 730

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
1899	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	695	416,748	711,407	3,623,309	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	458,585	2,305,969	894,360	(3)
Blast furnaces:						
1933 [4]	72	12,098	11,564	213,685	29,729	(3)
1935 [4]	72	15,178	18,916	374,651	74,004	(3)
Steel works and rolling mills:						
1933	394	276,847	258,803	1,143,889	451,800	(3)
1935	396	359,630	439,669	1,931,318	820,856	(3)

[1] Includes much duplication.
[2] Value of products less cost of materials, fuel, and purchased electric energy.
[3] No data.
[4] Includes data for 5 establishments in 1933 and 3 in 1935 engaged in production of sintered ore and flue dust and operated independently of blast furnaces.

No. 733.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL

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		1914	1,550	63,409	1926	2,167	174,145
1895	89		1915	3,533	140,993	1927	2,183	160,609
1900	1,154	42,518	1916	6,101	353,971	1928	2,865	179,881
1905	1,010	33,813	1917	6,439	567,041	1929	3,038	200,203
1906	1,326	52,215	1918	5,375	558,279	1930	1,983	139,039
1907	1,302	60,046	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	63,436	1922	1,995	136,334	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	3,158	112,692
1913	2,746	108,875	1925	1,763	144,262	1937	7,581	302,363

Sources: Table 731, American Iron and Steel Institute; table 732, Bureau of the Census, Department of Commerce; table 733, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 734.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and tables 733 and 735 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1934	1935	1936	1937	1934	1935	1936	1937
Total	2,812,847	3,063,659	3,158,405	7,580,626	88,691	88,414	112,692	302,363
Pig iron, not including ferro-alloys	4,096	4,107	5,316	782,436	97	96	119	19,403
Ferromanganese and spiegeleisen	222	131	466	1,725	13	10	27	73
Other ferro-alloys	(1)	(1)	2,482	2,780	(1)	(1)	807	2,202
Scrap	1,835,170	2,103,959	1,937,132	4,101,549	19,188	22,949	24,684	79,388
Ingots, blooms, sheet bars, skelp, etc.	76,953	104,202	91,602	415,200	2,676	3,047	2,886	16,899
Iron and steel bars	43,966	53,486	56,665	159,258	2,210	2,741	3,468	11,353
Alloy steel bars	2,911	2,817			525	583		
Wire rods	23,734	26,992	34,872	60,008	815	1,013	1,328	3,263
Galvanized sheets	68,538	74,997	63,205	81,019	4,630	5,208	4,689	7,470
Plates, iron and steel	25,792	44,278	95,854	386,819	1,612	1,978	4,461	21,506
Black steel sheets	90,999	100,483	140,158	286,510	6,025	6,550	10,003	24,014
Black iron sheets	4,325	5,183	6,964	10,788	317	350	455	935
Hoop, band, and strip steel	20,307	44,054	61,910	111,234	1,933	2,785	3,997	7,979
Tin plate, terneplate, etc.	184,651	134,499	238,881	360,683	16,873	13,022	23,753	39,940
Structural shapes, plain material	31,392	36,656	62,077	135,706	1,322	1,494	2,584	6,984
Structural materials, fabricated	23,673	21,418	28,034	73,704	1,704	1,613	2,203	6,168
Tanks, complete and knocked down	7,852	8,690	21,574	44,579	596	696	1,733	3,551
Metal lath	1,110	850	936	1,751	159	144	161	287
Steel rails	69,159	51,672	73,455	148,182	2,121	1,455	2,085	5,167
Rail fastenings, switches, frogs, etc.	16,929	10,288	12,903	21,321	1,246	771	946	1,835
Boiler tubes	8,245	8,644	7,386	17,458	1,085	1,154	1,338	2,785
Casing and oil-line pipe	57,112	23,721	28,410	83,481	5,666	2,402	2,760	8,302
Seamless black pipe, except casing and oil line	2,670	2,721	3,924	12,482	323	365	586	1,507
Black and galvanized welded pipe	46,159	36,393	25,235	46,432	3,652	2,912	2,181	4,539
Riveted pipe and fittings	501	476	1,122	980	84	78	150	137
Cast-iron pipe and fittings	17,703	17,509	19,952	31,176	1,436	1,309	1,614	2,344
Malleable-iron screwed pipe fittings	2,980	3,466	3,657	5,385	955	1,051	1,029	1,597
Barbed-wire and woven-wire fencing	37,449	34,142	36,642	36,995	2,192	1,920	2,177	2,983
Plain and galvanized wire	36,520	39,064	47,355	56,099	2,214	2,214	2,906	4,812
Woven-wire screen cloth	965	1,040	1,132	1,588	286	324	392	534
Wire rope and wire strand	2,682	4,040	3,256	7,824	716	956	832	1,841
Insulated wire and cable	71	80	96	329	24	28	49	158
Wire, other, and manufactures thereof	4,700	5,941	5,265	8,753	996	1,249	1,182	1,903
Wire nails	13,201	11,141	7,799	17,408	748	616	473	1,313
Nails other than wire, tacks, staples	4,937	3,702	3,292	4,483	617	504	477	660
Horseshoes	174	199	120	179	20	23	16	21
Bolts, nuts, rivets, and washers [2]	5,147	6,370	6,764	11,166	1,340	1,545	1,610	2,750
Car wheels and axles	7,208	18,410	8,300	29,563	449	1,113	576	2,343
Iron castings	6,974	9,163	7,073	9,579	667	798	744	1,089
Steel castings	2,449	2,682	3,281	3,896	575	570	678	1,049
Forgings	4,221	6,293	3,859	10,118	584	773	532	1,279

[1] No comparable data. [2] Except track.

No. 735.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in table 734

Country	1935	1936	1937	Country	1935	1936	1937
Belgium	14,546	11,544	66,338	Argentina	36,831	35,108	48,777
France	3,577	3,836	30,959	Brazil	46,343	73,996	109,079
Germany	4,578	7,407	110,012	Chile	27,902	19,958	45,705
Italy	388,837	292,799	402,498	Colombia	27,458	36,002	58,890
Netherlands	14,512	23,712	194,532	Peru	13,612	14,310	27,969
Norway	10,030	11,109	20,730	Uruguay	7,762	15,489	24,754
Poland and Danzig	36,727	31,247	278,329	Venezuela	20,795	28,441	72,717
Rumania	37,711	6,083	1,254	India and Ceylon	4,870	10,416	35,910
U. S. S. R., Europe and Asia	34,808	64,559	94,154	British Malaya	2,456	8,011	13,158
Sweden	6,123	36,693	130,765	China	75,045	79,968	157,965
United Kingdom	286,461	380,836	1,224,144	Netherlands Indies	6,807	10,734	40,718
Canada	338,813	356,119	642,165	Hong Kong	14,447	13,201	43,632
Central America	40,685	48,530	48,893	Japan	1,201,389	1,111,722	2,784,420
Mexico	104,602	110,174	213,411	Kwantung	10,481	5,810	106,358
British West Indies and Bermudas	3,889	4,519	14,758	Palestine and Syria	1,629	4,455	3,866
Cuba	45,105	49,591	61,451	Philippine Islands	68,189	71,574	96,922
Dominican Republic	5,487	3,901	5,074	Turkey	5,012	22,507	35,830
Netherlands West Indies	8,189	6,856	26,391	Australia	12,658	11,323	30,517
				British South Africa	23,298	32,540	64,643
				Mozambique	16,717	24,559	35,526
				All other	55,209	78,757	168,412

Source of tables 734 and 735: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 736.—IRON AND STEEL: Average Annual Prices

[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			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]
	Basic, The Valleys	Southern, No. 2, Cincinnati	Local, No. 2, Chicago [1]								
1891–1895	--------	11.74	12.80	27.27	20.89	--------	--------	1.46	--------	--------	--------
1896–1900	--------	12.56	14.30	24.96	21.08	--------	[7] 1.46	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
1909	15.48	16.12	17.40	28.00	24.62	--------	1.33	1.62	1.42	1.42	1.63
1910	14.76	15.16	17.09	28.00	25.38	--------	1.44	1.65	1.47	1.45	1.68
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	1.53
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	27.67	32.17	29.11	47.29	40.54	53.98	2.49	4.10	2.72	2.53	3.12
1920	42.25	44.52	42.52	52.42	56.14	69.55	3.22	4.75	3.28	2.95	3.84
1921	21.73	26.68	22.93	44.06	34.46	45.94	1.87	4.47	1.93	1.93	2.54
1922	24.20	23.95	24.85	40.75	33.95	40.49	1.72	3.35	1.72	1.71	2.24
1923	25.80	27.85	28.16	43.00	41.70	50.39	2.36	3.50	2.43	2.43	2.78
1924	20.24	23.92	22.11	43.00	37.99	48.31	2.20	4.00	2.12	2.19	2.60
1925	19.58	23.85	22.09	43.00	35.45	46.05	2.02	4.52	1.92	1.99	2.44
1926	18.55	24.71	21.64	43.00	35.00	45.00	2.00	4.62	1.88	1.95	2.41
1927	17.69	21.16	19.68	43.00	33.27	42.44	1.83	4.68	1.82	1.83	2.29
1928	16.67	19.70	18.54	43.00	32.67	42.55	1.87	4.64	1.87	1.87	2.25
1929	18.19	18.49	20.00	43.00	34.66	41.50	1.92	4.13	1.93	1.92	2.30
1930	17.97	16.19	18.47	43.00	31.84	36.91	1.71	4.11	1.69	1.69	2.11
1931	15.85	14.52	17.35	43.00	29.36	35.03	1.62	3.69	1.62	1.62	2.02
1932	13.99	13.84	15.87	42.44	26.52	37.00	1.58	3.35	1.58	1.58	1.96
1933	15.24	16.31	16.47	39.36	26.00	35.15	1.64	3.35	1.61	1.63	1.94
1934	17.69	18.80	18.19	36.38	27.10	37.37	1.81	3.50	1.78	1.78	2.10
1935	18.17	19.34	18.68	36.38	27.25	38.21	1.81	3.50	1.80	1.80	2.13
1936	19.10	19.99	19.60	36.59	29.68	39.12	1.93	3.70	1.85	1.85	2.15
1937	22.99	23.20	23.49	41.86	36.45	46.27	2.40	4.50	2.21	2.21	2.56

[1] At furnace after 1907.
[2] Bessemer rails prior to Oct. 22, 1921.
[3] Bessemer billets prior to 1927.
[4] Muck iron prior to 1892.
[5] Beams prior to Mar. 19, 1929.
[6] Includes hot-rolled strip beginning 1920.
[7] Average for years 1898–1900.

No. 737.—ALUMINUM AND BAUXITE: Production, Exports, and Imports

	1913	1920	1925	1930	1935	1936	1937
BAUXITE							
Quantities, long tons (2,240 pounds):							
Production	210,241	521,308	316,540	330,612	233,912	372,005	420,232
Georgia, Alabama, and Tennessee [1]	40,370	40,029	20,220	15,339	14,121	17,062	18,037
Arkansas	169,871	481,279	296,320	315,273	219,791	354,943	402,195
Imports for consumption	21,456	42,895	353,696	409,678	199,959	322,790	507,423
Exports	([2])	22,257	78,633	104,504	82,491	84,471	123,191
Value of production [3] (1,000 dollars)	998	3,247	1,988	1,928	1,557	2,199	2,445
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	36,430	50,961	22,070	41,612	55,609
Secondary metal	2,199	9,489	24,816	17,177	19,018	19,055	23,773
Imports for consumption, total	4,784	13,077	10,107	5,286	4,279	5,181	8,178
Crude and semicrude	4,388	12,184	9,806	4,690	3,694	4,165	6,883
Manufactures	396	893	301	596	585	1,016	1,295
Exports, total	966	5,631	6,057	7,122	2,067	1,609	2,943
Crude and semicrude	--------	3,068	3,366	3,916	694	382	1,261
Manufactures	--------	2,563	2,691	3,206	1,373	1,228	1,682
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	41,997	25,461	21,291	25,563	45,178
Exports (crude and semicrude)	([2])	9,408	12,642	17,330	3,970	1,606	5,384

[1] No production in Tennessee since 1928. [2] Unavailable. [3] F. o. b mines.

Sources: Table 736, Iron Age and American Iron and Steel Institute; table 737, Bureau of Mines, Department of the Interior.

No. 738.—COPPER: Production, Exports, Imports, and Consumption

Note.—All quantities except ore produced in millions and tenths of millions of pounds. Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

Item	1910	1920	1925	1930	1934	1935	1936	1937
UNREFINED COPPER								
Ore produced (million short tons) [1]	28.5	36.8	53.1	47.4	11.7	19.1	[2] 38.4	([3])
Average copper yield, percent	1.88	1.63	1.54	1.43	1.92	1.89	1.50	([3])
Smelter output from domestic ore	1,080.2	1,209.1	1,674.9	1,394.4	488.5	762.6	1,222.8	1,669.3
Mine production	1,088.2	1,224.6	1,678.1	1,410.1	474.8	761.0	1,229.0	[4] 1,675.5
Imports, unrefined:								
Ore (copper content)	64.2	52.0	107.6	101.3	12.6	15.3	26.0	32.3
Concentrates (copper content)	21.0	46.8	54.0	56.9	46.5	60.4	61.9	103.7
Matte and regulus (copper content)		17.6	1.7	4.7	3.7	5.5	3.7	10.4
Unrefined, in bars, pigs, etc.	[5] 259.2	244.7	379.3	560.5	308.5	395.9	276.3	391.8
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,151.0	3,045.0	3,091.0	1,646.0	2,075.0	2,614.0	3,198.0
New copper (primary)	1,422.0	1,526.2	2,204.6	2,157.1	890.7	1,177.6	1,645.0	2,133.6
Domestic	1,071.9	1,182.4	1,682.9	1,391.2	466.1	676.6	1,290.9	1,644.5
Foreign	350.1	343.7	521.7	765.8	424.7	501.0	354.1	489.1
Electrolytic	1,128.3	1,351.7	2,050.6	1,993.6	838.5	[6] 1,103.7	1,551.9	[6] 2,035.1
Lake	221.5	153.5	138.0	143.0	51.7	[6] 73.6	91.1	[6] 84.0
Casting and best select	72.3	[7] 21.0	15.9	20.5	.5	.3	1.9	14.5
Secondary copper (from new and old scrap)	189.0	624.9	840.4	934.4	754.8	897.8	969.2	1,064.2
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,526.2	2,204.6	2,157.1	890.7	1,177.6	1,645.0	2,133.6
Refined copper imported	([5])	108.7	99.8	86.2	54.8	36.1	9.6	15.0
Refined copper exported	[8] 708.3	[8] 553.1	1,022.3	669.3	544.3	550.0	472.2	619.5
Stocks, Dec. 31 (refined)	122.8	659.0	124.0	615.0	569.0	350.0	220.0	358.0
Withdrawn on domestic account:								
New refined copper	732.4	1,053.8	1,401.0	1,265.0	645.3	882.7	1,312.4	1,391.1
New and old copper	921.0	1,679.0	2,241.0	2,199.0	1,400.0	1,780.0	2,282.0	2,456.0

[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] Preliminary.
[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. 739.—COPPER: Smelter Production by State of Origin of Ore Smelted

[Quantities in thousands of pounds]

State of origin	1910	1920	1925	1930	1934	1935	1936	1937
Total	1,080,160	1,209,061	1,674,870	1,394,389	488,454	762,587	1,222,819	1,669,322
Alaska	4,311	66,094	72,204	36,380	130	14,602	30,422	42,215
Arizona	297,251	552,989	722,653	570,897	168,408	278,519	414,144	580,493
California	45,760	11,822	46,944	26,262	233	1,630	10,328	10,615
Colorado	9,307	4,283	3,163	12,944	13,047	14,341	19,181	21,826
Idaho	6,878	1,922	3,144	2,714	1,718	2,125	2,925	4,804
Michigan	221,463	153,484	138,030	142,986	51,682	73,812	91,105	84,751
Missouri	----------	533	12	2	46	85	404	696
Montana	283,079	177,744	270,605	198,796	67,005	157,760	215,433	280,662
Nevada	64,495	55,580	77,138	87,475	41,923	72,819	146,154	149,964
New Mexico	3,785	52,160	76,467	74,188	26,994	4,560	6,975	63,574
Oregon	22	2,529	126	230	41	372	566	870
Pennsylvania	741	618	502	3,061	([1])	([1])	([1])	([1])
Tennessee	16,692	16,728	19,789	([1])	([1])	([1])	([1])	([1])
Utah	125,185	110,358	242,731	205,770	96,223	120,973	261,202	404,169
Washington	65	2,126	1,185	1,405	33	81	202	124
Undistributed	1,127	92	117	[2] 31,280	[2] 20,969	[2] 20,909	[2] 23,717	[2] 24,558

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

Source of tables 738 and 739: Bureau of Mines, Department of the Interior.

No. 740.—COPPER: Smelter and Refinery Output

Note.—Smelter output as here given represents the production of unrefined copper from domestic (including Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in table 738

[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	1914	1,150	152,968	1,534	1,150	384	252
1860	16	3,709	1915	1,388	242,902	1,634	1,388	247	395
1870	28	5,997	1916	1,928	474,288	2,259	1,928	331	700
			1917	1,886	514,911	2,428	1,886	542	767
1871–1875	34	8,805	1918	1,909	471,408	2,432	1,883	549	705
1876–1880	50	9,679	1919	1,286	239,274	1,805	1,433	372	574
1881–1885	118	17,236	1920	1,209	222,467	1,526	1,182	344	625
1886–1890	226	30,345	1921	506	65,221	951	609	341	435
1891–1895	339	37,266	1922	950	128,289	1,256	905	351	672
			1923	1,435	210,945	1,980	1,464	516	822
1896–1900	531	74,424	1924	1,034	214,087	2,260	1,674	586	777
1901–1905	732	103,869	1925	1,675	237,832	2,205	1,683	522	840
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	488	39,076	891	466	425	755
1911	1,097	137,154	1935	763	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

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

Source: Bureau of Mines, Department of the Interior.

No. 741.—EXPORTS AND IMPORTS OF COPPER

Note.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891–1915 and of imports for years 1894–1903 was estimated

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

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891–1895[1]	65,586	14,392	5,477	896	1928	562,510	169,831	393,537	98,187
1896–1900[1]	137,684	36,745	24,634	5,866	1929	499,237	183,405	487,156	153,710
1901–1905[1]	190,451	54,942	83,237	22,611	1930	376,647	105,342	408,577	104,616
1906–1910[1]	289,445	92,334	130,111	38,026	1931	278,937	54,748	292,946	48,745
1911–1915[1]	416,840	123,655	176,635	46,129	1932	164,111	21,236	195,996	23,735
1916–1920[2]	376,877	208,909	244,948	103,805	1933	174,627	24,917	[3] 126,639	[3] 14,334
1921–1925	438,337	129,761	298,975	77,811	1934	312,743	49,765	[3] 199,538	[3] 27,786
1926–1930	491,290	149,999	407,630	108,244	1935	302,873	48,933	[3] 240,528	[3] 33,213
1931–1935	246,658	39,920	211,138	29,662	1936	262,417	50,663	[3] 183,788	[3] 29,884
1927	538,365	150,214	359,161	84,963	1937	350,317	93,626	[3] 227,479	[3] 52,563

[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: Bureau of Foreign and Domestic Commerce.

No. 742.—MINE PRODUCTION OF RECOVERABLE LEAD

[In short tons (2,000 pounds)]

State	1920	1925	1930	1933	1934	1935	1936	1937[1]
Total	496,814	684,439	558,313	272,677	287,339	331,103	372,919	465,038
Western States and Alaska	248,131	364,387	312,413	159,488	169,251	193,439	218,387	254,614
Alaska	875	789	1,365	1,157	747	670	941	823
Arizona	6,935	11,938	4,246	1,721	3,439	7,783	10,688	12,500
Colorado	23,315	31,483	22,130	2,402	4,218	5,673	7,267	9,786
Idaho	118,565	126,521	134,058	74,363	71,324	79,020	91,339	103,711
Montana	14,846	18,765	10,653	6,582	10,005	15,589	19,059	17,957
Nevada	10,100	12,238	11,529	2,303	10,991	12,676	10,712	9,347
New Mexico	1,435	3,210	10,378	11,043	9,365	7,289	6,626	6,512
Utah	66,898	153,335	115,495	58,688	58,077	63,510	69,886	89,458
Other	5,162	6,108	2,559	1,229	1,085	1,229	1,869	4,520
Central States	246,780	317,375	237,533	110,073	114,463	132,682	148,536	204,885
Kansas	16,452	22,775	12,010	6,089	6,805	10,892	11,409	16,008
Missouri	161,812	211,566	199,632	84,980	90,493	97,493	110,428	157,631
Oklahoma	64,086	79,946	23,052	18,038	16,747	23,405	25,427	29,840
Other	4,430	3,088	1,939	966	418	892	1,272	1,406
Eastern States	[2] 1,903	2,677	8,367	3,116	3,625	4,982	5,996	5,539
New York								
Tennessee	1,880	448	8,367	3,116	3,625	4,982	5,996	5,539
Virginia		2,229						
North Carolina								

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

No. 743.—REFINED PRIMARY LEAD AND SECONDARY LEAD

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 antimonial lead, shown in next to the last column

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1904	393,452	33,837	1921	448,589	40,373
1840	17,000	1,666	1905	388,307	36,501	1922	532,662	58,593
1850	22,000	2,112	1906	404,746	46,141	1923	618,322	86,565
1860	15,600	1,778	1907	413,389	43,819	1924	690,493	110,479
1870	17,830	2,247	1908	396,564	33,311	1925	766,969	133,453
1880	95,725	9,573	1909	446,909	38,434	1926	798,941	127,831
1885	126,192	10,095	1910	470,272	41,384	1927	796,530	100,363
1890	157,844	14,206	1911	486,979	43,828	1928	781,071	90,604
1895	235,822	15,093	1912	480,894	43,280	1929	774,633	97,604
1896	257,487	15,449	1913	462,460	40,696	1930	643,033	64,303
1897	282,169	20,316	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	529,657	84,745	1937	467,317	55,143

Year	Class		Source			Average value per pound	Antimonial lead, at primary refineries	Secondary lead recovered, total
	Desilverized[1]	Soft	Domestic ores and bullion[2]	Foreign ores	Foreign base bullion			
1880	68,035	27,690	95,725			$0.050	(3)	
1890	126,493	31,351	139,720	18,124		.045	(3)	
1900	319,752	48,021	260,918	106,855		.044	(3)	
1910	328,954	141,318	375,402	18,065	76,805	.044	(3)	55,422
1915	388,594	161,461	507,026	9,581	33,448	.047	(3)	78,900
1920	339,803	189,854	476,849	8,414	44,394	.080	(3)	124,650
1925	506,409	260,560	654,921	47,024	65,024	.087	(3)	226,880
1930	441,672	201,361	573,740	34,348	34,945	.050	24,797	255,800
1932	218,811	63,130	248,917	21,747	11,277	.030	21,024	198,300
1933	178,098	85,578	249,713	7,677	6,286	.037	17,805	224,500
1934	209,212	102,024	299,841	10,241	1,154	.037	16,607	208,400
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

[1] Desilverized soft lead is included. [2] Excludes antimonial lead. [3] Not available.

Source of tables 742 and 743: Bureau of Mines, Department of the Interior.

No. 744.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY PIG LEAD

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	1934	1935	1936	1937
Supply, total	473, 836	565, 610	779, 035	644, 570	311, 519	325, 882	401, 746	472, 220
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	283	1, 322	2, 590	4, 903
Production from domestic and foreign ore	470, 272	529, 657	766, 969	643, 033	311, 236	324, 560	399, 156	467, 317
Deductions, total	69, 861	21, 415	111, 681	49, 635	5, 909	6, 982	18, 313	20, 091
Exports of pigs, bars, etc.[2]	69, 786	20, 093	103, 519	48, 307	5, 909	6, 982	18, 313	20, 091
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	305, 610	318, 900	383, 433	452, 129

[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, stocks in warehouse are estimated to have remained unchanged from beginning of the year.
[2] Including small quantities of foreign lead reexported.

Source: Bureau of Mines, Department of the Interior.

No. 745.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: "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	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1929	1933	1935	1929	1933	1935
Ingots and pigs:						
Copper (secondary)	100, 244	58, 554	58, 562	16, 513	4, 180	4, 935
Lead (secondary)	306, 084	238, 190	259, 024	21, 539	9, 913	11, 429
Zinc (secondary)	79, 686	46, 674	62, 116	5, 519	2, 037	3, 044
Brass and bronze	290, 980	117, 282	148, 776	43, 568	8, 018	[1] 14, 381
Antifriction bearing metal	108, 738	25, 628	39, 276	20, 301	4, 324	[1] 6, 520
Solders, of all kinds	112, 846	53, 480	77, 900	28, 595	11, 241	[1] 16, 720
Type metal	84, 580	44, 856	56, 762	7, 885	2, 762	[1] 4, 234
Plates and sheets:						
Brass and bronze	468, 442	235, 118	306, 728	98, 545	28, 754	44, 606
Copper	255, 578	138, 574	186, 028	59, 540	17, 237	26, 143
Lead	71, 604	24, 568	34, 664	6, 490	1, 537	2, 309
Nickel alloys	54, 324	21, 282	29, 762	18, 338	5, 710	7, 713
Zinc	108, 270	49, 914	99, 862	9, 544	4, 306	8, 131
Rods and bars:						
Brass and bronze	250, 486	137, 642	188, 522	45, 869	14, 279	23, 894
Copper	454, 616	160, 940	222, 668	81, 057	12, 588	22, 387
Nickel and other metals and alloys	21, 720	9, 994	15, 630	8, 926	4, 229	6, 400
Tubing (seamless) and pipe:						
Brass and bronze	142, 572	77, 460	95, 668	36, 230	10, 760	16, 626
Copper	98, 124	59, 150	67, 984	25, 774	9, 055	12, 039
Lead	74, 052	26, 970	33, 658	7, 001	1, 953	2, 455
Nickel alloys	3, 578	1, 584	2, 608	2, 542	600	1, 522
Other tubing				4, 013	520	1, 399
Castings, rough:						
Brass and bronze:						
Quantity reported	413, 513	73, 087	103, 196	98, 903	11, 917	19, 156
Quantity not reported					4, 658	14, 303
Copper	9, 799	2, 734	3, 640	2, 691	664	[2] 771
Nickel alloys [3]	5, 227	6, 627	4, 512	2, 942	2, 838	[2] 2, 480
Finished products:						
Castings, finished				15, 551	3, 530	7, 063
Bearings and bushings (including antifriction linings)				27, 680	9, 533	21, 209
Die castings				22, 077	7, 962	17, 560
Extruded shapes				6, 665	1, 438	5, 966
Forgings and hot-pressed parts				7, 769	1, 781	2, 723
Bells				809	161	351

[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: Bureau of the Census, Department of Commerce.

No. 746.—ZINC: Production, Exports, Stocks, and Apparent Consumption

Note.—The excess of mine production over smelter production is due chiefly to export of ore

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

	1910	1920	1925	1930	1934	1935	1936	1937 [1]
Mine production (recoverable zinc content of ore)	327,618	587,524	710,847	595,425	438,726	517,903	575,574	626,336
Colorado	38,545	24,395	30,811	36,259	772	1,202	1,172	4,247
Idaho	2,802	13,966	15,619	37,649	24,799	31,053	49,100	54,199
Kansas	13,229	61,073	118,778	74,304	38,261	54,110	79,017	80,300
Missouri	128,589	24,509	14,794	10,811	7,059	7,263	18,709	20,600
Montana	15,819	92,169	57,658	26,421	30,721	54,781	49,717	39,168
Nevada	1,354	5,349	7,411	14,584	13,940	15,536	13,477	14,236
New Jersey	68,584	78,511	89,261	97,626	76,553	85,708	89,883	101,408
New Mexico	9,044	5,007	9,246	32,765	26,522	22,126	20,668	23,927
New York	--------	5,654	5,158	22,471	23,188	23,720	26,941	32,690
Oklahoma	6,394	219,727	283,371	136,153	107,772	129,763	129,175	135,696
Tennessee	966	19,217	16,256	[2] 48,147	[2] 47,712	[2] 48,832	[2] 44,916	[2] 55,255
Utah	8,184	4,079	26,306	44,495	28,198	31,107	36,192	48,001
Wisconsin	25,927	27,285	20,230	12,558	9,807	8,923	8,126	6,938
Other States	8,181	6,583	15,948	1,182	3,422	3,779	8,481	9,671
Smelter production	310,407	508,227	634,376	547,345	392,890	476,034	560,132	638,744
Primary zinc	269,184	463,377	572,946	498,045	363,590	420,634	492,132	556,904
From domestic ore	252,479	450,045	555,631	489,361	355,366	412,184	491,803	551,165
From foreign ore	16,705	13,332	17,315	8,684	8,224	8,450	329	5,739
Secondary zinc	41,223	42,850	61,430	49,300	29,300	55,400	68,000	81,840
Redistilled	12,784	21,371	39,181	[3] 34,849	19,691	28,550	42,209	51,554
Remelted	28,439	21,479	22,249	14,451	9,609	26,750	25,791	30,286
Value of primary product from domestic ore ($1,000)	27,268	72,907	84,456	46,979	30,561	36,272	49,180	71,651
Primary slab zinc:								
Supply, total	281,379	500,170	593,700	584,230	475,802	549,861	594,331	649,612
Stock at smelters, Jan. 1	11,206	36,793	20,754	85,904	110,487	124,783	90,539	55,500
Production	269,184	463,377	572,946	498,045	363,590	420,634	492,132	556,904
Imports for consumption	989	([4])	([4])	281	1,725	4,444	11,660	37,208
Deductions:								
Exports	[5] 3,990	102,178	76,351	4,633	5,105	1,617	37	249
Stock at smelters, Dec. 31	23,232	71,037	13,080	107,293	124,783	90,539	55,500	79,144
Apparent deliveries to domestic consumers	254,157	326,955	504,269	412,304	345,914	457,705	538,794	570,219

[1] Preliminary.
[2] Includes Virginia.
[3] Includes small quantity of secondary electrolytic zinc.
[4] Less than one-half of 1 ton.
[5] Includes plates and sheets; not separately reported.

Source: Bureau of Mines, Department of the Interior.

No. 747.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values [1] in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875	15,833	[2] 2,217	1921–1925	426,261	56,149	1928	591,525	72,166
1880 [3]	23,239	2,277	1926–1930	576,395	73,119	1929	612,136	80,802
1885	40,688	3,540	1931–1935	314,541	25,432	1930	489,361	46,979
1886–1890	54,285	5,219	1921	198,232	19,823	1931	291,996	22,192
1891–1895	82,396	6,787	1922	358,274	40,273	1932	207,148	12,429
1896–1900	109,963	10,180	1923	508,335	69,134	1933	306,010	25,705
1901–1905	169,504	17,067	1924	515,831	67,058	1934	355,366	30,561
1906–1910	219,378	24,165	1925	555,631	84,456	1935	412,184	36,272
1911–1915	346,867	52,416	1926	611,991	91,799	1936	491,803	49,180
1916–1920	508,731	99,812	1927	576,960	73,851	1937	551,165	71,651

[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: Bureau of Mines, Department of the Interior.

No. 748.—GOLD AND SILVER: Production from Mines in Continental United States, Alaska, Puerto Rico, and Philippine Islands

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	1906	4,565	56,518	38,256
1848–1850	4,838	116	152	1907	4,375	56,515	37,300
1851–1855	14,271	194	259	1908	4,574	52,441	28,051
1856–1860	12,384	309	418	1909	4,822	54,722	28,455
1861–1865	10,716	28,811	38,674	1910	4,657	57,138	30,855
1866–1870	12,226	49,113	65,201	1911	4,687	60,399	32,616
1871–1875	8,826	121,083	156,270	1912	4,521	63,767	39,198
1876–1880	10,301	157,681	182,506	1913	4,300	66,802	40,348
1881–1885	7,730	182,841	202,807	1914	4,573	72,455	40,068
1886–1890	8,078	231,819	227,495	1915	4,888	74,961	37,397
1891–1895	9,107	287,057	227,960	1916	4,479	74,415	48,953
1896–1900	15,729	279,544	172,689	1917	4,051	71,740	59,078
1901–1905	19,394	278,798	159,543	1918	3,321	67,810	66,485
1906–1910	22,993	277,333	162,916	1919	2,919	56,682	63,534
1911–1915	22,908	338,384	189,626	1920	2,476	55,362	60,802
1916–1920	17,246	326,009	298,852	1921	2,422	53,052	[1] 53,052
1921–1925	12,229	314,190	259,162	1922	2,363	56,240	[1] 56,240
1926–1930	11,259	293,692	159,829	1923	2,503	73,335	[1] 60,135
1931–1935	14,101	156,565	77,948	1924	2,529	65,407	43,823
				1925	2,412	66,155	45,912
1894	1,911	49,500	31,422				
1895	2,255	55,727	36,446	1926	2,335	62,719	39,136
				1927	2,197	60,434	34,266
1896	2,568	58,835	39,655	1928	2,233	58,463	34,201
1897	2,775	53,860	32,316	1929	2,208	61,328	32,688
1898	3,118	54,438	32,118	1930	2,286	50,748	19,538
1899	3,437	54,765	32,859				
1900	3,830	57,647	35,741	1931	2,396	30,932	8,970
				1932	2,449	23,981	6,763
1901	3,806	55,214	33,128	1933	2,556	23,003	8,051
1902	3,870	55,500	29,415	1934	3,091	32,725	[2] 21,156
1903	3,560	54,300	29,322	1935	3,609	45,924	[2] 33,008
1904	3,892	57,683	33,456	1936	4,357	63,812	[2] 49,423
1905	4,266	56,102	34,222	1937	4,805	71,942	[2] 55,647

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1937 (1,000 dollars)[2]
	1910	1920	1930	1936	1937	1910	1920	1930	1936	1937	
Total	4,657	2,476	2,286	4,357	4,805	57,138	55,362	50,748	63,812	71,942	55,647
Alaska	787	413	407	517	629	154	822	392	398	657	508
Arizona	165	240	149	318	344	2,656	5,432	4,910	8,556	9,541	7,380
California	989	716	450	1,049	1,170	1,792	1,655	1,434	2,037	2,795	2,162
Colorado	993	363	218	373	379	8,523	5,167	4,852	6,391	6,286	4,863
Idaho	50	23	21	85	83	7,027	7,365	9,710	14,815	19,556	15,126
Michigan	------	------	------	------	------	262	512	11	------	19	15
Montana	180	92	47	185	205	12,283	13,263	8,597	11,498	11,741	9,082
Nevada	913	175	140	287	273	12,366	7,482	4,179	5,173	4,723	3,653
New Mexico	23	22	32	36	43	779	700	1,160	1,244	1,400	1,083
Oregon	33	50	14	62	54	44	102	10	103	75	58
South Dakota	260	210	406	589	576	121	88	105	145	142	110
Texas	(3)	(3)	(3)	1	------	364	523	469	1,348	1,338	1,035
Utah	209	103	209	233	312	10,446	11,755	14,451	11,204	12,692	9,817
Washington	39	7	4	12	33	205	178	30	60	100	77
Philippine Islands	7	62	185	597	692	2	22	121	461	643	497
Other	8	(3)	3	13	12	115	296	317	380	234	181

[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 in 1934 and thereafter at Government's average buying price for domestic product: 1934, $0.64+ per fine ounce; 1935, $0.71875; 1936, $0.7745; 1937, $0.7735.
[3] Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 749.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin[1]	Bullion and foreign coin	Total			United States coin[1]	Bullion and foreign coin	Total		
1880	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885	3,715	6,991	10,706	1,863	12,568	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	28,059	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
1929	1,000	23,873	24,873	32,031	56,904	77	30,900	30,978	11,382	42,359
1930	1,000	14,178	15,178	27,512	42,689	77	26,797	26,874	9,469	36,343
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

[1] Estimated. [2] Excess of return from industry over new material issued to industry.

No. 750.—SILVER: Price and Value of Silver in the Dollar

Note.—The London price is converted to the basis of the ounce 1,000 fine and converted to American money 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	------	1911	0.539	0.540	0.575	0.521	38.33	0.417
1840	1.323	------	------	------	15.62	1.023	1912	.615	.620	.656	.553	33.62	.475
1845	1.298	------	------	------	15.92	1.004	1913	.605	.612	.651	.580	34.19	.468
1850	1.316	------	------	------	15.70	1.018	1914	.553	.563	.609	.490	37.37	.428
1855	1.344	------	------	------	15.38	1.039	1915	.519	.511	.580	.478	40.48	.401
1860	1.352	------	------	------	15.29	1.045	1916	.686	.672	.791	.573	30.78	.531
1865	1.338	------	------	------	15.44	1.035	1917	.895	.840	1.165	.731	24.61	.692
1870	1.328	------	------	------	15.57	1.027	1918	1.042	.984	1.019	.889	21.00	.761
1875	1.242	1.239	1.261	1.210	16.64	.961	1919	1.250	1.121	1.383	1.014	18.44	.867
1880	1.145	1.139	1.150	1.113	18.05	.886	1920	1.346	1.019	1.379	.604	20.28	.788
1885	1.065	1.064	1.095	1.028	19.41	.824	1921	.805	.631	.738	.532	32.76	.488
1890	1.046	1.053	1.205	.958	19.75	.809	1922	.754	.679	.742	.629	30.43	.525
1895	.654	.663	.690	.600	31.60	.506	1923	.700	.652	.690	.629	31.69	.505
1896	.676	.682	.703	.656	30.69	.523	1924	.745	.671	.724	.630	30.80	.519
1897	.604	.608	.661	.528	34.20	.467	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	.385	.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	.454	.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							

Source of tables 749 and 750: Annual Reports of the Director of the Mint, Treasury Department.

No. 751.—COKE: Production, Exports, and Imports

Yearly average or year	Production in thousands of short tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports [1]
	Total	Beehive ovens	By-product ovens			Thousand of short tons (2,000 pounds)	
1896–1900	16,265	15,741	524	3.2	30,293	265	54
1901–1905	25,673	23,566	2,107	8.2	58,581	519	150
1906–1910	36,848	31,296	5,552	15.1	91,068	904	159
1911–1915	40,394	29,000	11,394	28.2	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	251,967	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
1921	25,288	5,538	19,750	78.1	147,673	307	31
1922	37,124	8,573	28,551	76.9	238,313	512	94
1923	56,978	19,380	37,598	66.0	373,497	1,237	85
1924	44,270	10,286	33,984	76.8	244,042	660	83
1925	51,267	11,355	39,912	77.9	262,559	954	202
1926	56,866	12,489	44,377	78.0	307,773	987	285
1927	51,092	7,207	43,885	85.9	262,321	807	169
1928	52,806	4,493	48,313	91.5	252,834	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	638	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 [2]	52,362	3,156	49,206	94.0	(3)	527	286

[1] Imports entered for consumption. [2] Preliminary. [3] Not available.

No. 752.—COKE: By-Product and Beehive Production, by States

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

	1915	1920	1925	1930	1933	1934	1935	1936	1937 [1]
BY-PRODUCT									
Total	14,073	30,834	39,912	45,196	26,678	30,793	34,224	44,569	49,206
Alabama	2,070	3,124	4,582	3,987	1,669	2,109	1,994	3,090	4,253
Colorado	-------	517	490	379	140	171	207	337	482
Illinois	1,687	2,137	3,012	3,576	1,501	1,650	1,669	2,083	2,994
Indiana	2,768	4,554	5,142	4,984	2,089	2,613	3,768	5,450	5,445
Maryland	313	682	1,019	1,169	702	785	930	1,217	1,514
Massachusetts	504	488	535	863	1,020	1,128	1,006	1,108	[2] 1,246
Michigan	(3)	1,393	1,751	2,604	2,341	2,548	2,482	2,294	2,294
Minnesota	128	675	518	641	412	417	430	522	7,01
New Jersey	289	726	904	919	835	910	917	1,008	1,014
New York	684	1,040	2,220	3,850	3,427	4,090	4,099	4,836	4,952
Ohio	666	5,615	7,105	6,163	3,677	4,296	5,101	6,242	6,731
Pennsylvania	3,092	7,730	9,853	12,529	6,170	6,834	8,078	12,571	13,628
West Virginia	141	447	1,056	1,479	1,074	1,344	1,604	1,703	1,808
All other States	1,749	1,706	1,725	2,051	1,621	1,897	1,939	2,110	2,144
BEEHIVE									
Total	27,508	20,511	11,355	2,776	911	1,029	917	1,706	3,156
Pennsylvania	22,531	15,908	9,574	2,011	670	721	564	1,213	2,514
Ohio	19	87	156	-------	-------	-------	-------	-------	-------
West Virginia	1,250	1,381	490	422	113	172	155	231	288
Alabama	1,001	890	88	-------	-------	-------	-------	-------	-------
Kentucky	285	273	(3)	-------	-------	-------	-------	-------	-------
Tennessee	234	163	128	25	12	6	3	4	} 270
Virginia	630	1,028	422	220	70	78	138	191	
Colorado	671	273	155	79	35	38	49	61	} [4] 84
Utah	(3)	(3)	146	7	10	13	6	6	
All other States	887	509	196	12	(5)	2	2	(5)	-------

[1] Preliminary. [2] Includes an unknown quantity of breeze. [3] Included under "all other States." [4] Includes Washington. [5] Less than 500 tons.

Source of tables 751 and 752: Bureau of Mines, Department of the Interior.

No. 753.—COAL PRODUCTION: Quantity and Value

NOTE.—Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only; those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside 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	1915	531,619	88,995	442,624	184,653	502,038
1831–1840	1,032	722	310	1916	590,098	87,578	502,520	202,010	665,116
1841–1850	4,535	2,697	1,837	1917	651,402	99,612	551,791	283,651	1,249,273
1851–1860	12,513	7,645	4,868	1918	678,212	98,826	579,386	336,480	1,491,810
1861–1865	20,538	11,142	9,396	1919 [1]	553,952	88,092	465,860	364,927	1,160,616
1866–1870	31,706	16,281	15,425	1920	658,265	89,598	568,667	434,252	2,129,933
1871–1875	52,179	23,407	28,773	1921 [1]	506,395	90,473	415,922	452,305	1,199,984
1876–1880	62,261	25,800	36,461	1922	476,951	54,683	422,268	273,700	1,274,820
1881–1885	107,291	36,198	71,093	1923	657,904	93,339	564,565	506,787	1,514,621
1886–1890	138,398	43,952	94,446	1924 [1]	571,613	87,927	483,687	477,231	1,062,626
1891–1895	178,822	53,405	125,416	1925 [1]	581,870	61,817	520,053	327,665	1,060,402
1896–1900	227,123	55,625	171,498	1926 [1]	657,804	84,437	573,367	474,164	1,183,417
1901–1905	339,357	66,854	272,503	1927 [1]	597,859	80,096	517,763	420,942	1,029,652
1906–1910	454,555	81,142	373,413	1928 [1]	576,093	75,348	500,745	393,638	933,774
1911–1915	529,189	89,233	439,956	1929 [1]	608,817	73,828	534,989	385,643	952,781
1916–1920	626,386	92,741	533,645	1930 [1]	536,911	69,385	467,526	354,574	795,483
1921–1925	558,947	77,648	481,299	1931 [1]	441,735	59,046	382,089	296,355	588,895
1926–1930 [1]	595,497	76,619	518,878	1932 [1]	359,565	49,855	309,710	222,375	406,677
1931–1935 [1]	405,108	53,674	351,434	1933 [1]	383,172	49,541	333,631	206,718	445,788
1911	496,371	90,464	405,907	1934 [1]	416,536	57,168	359,368	244,152	628,383
1912	534,467	84,362	450,105	1935 [1]	424,532	52,159	372,373	210,131	658,003
1913	569,960	91,525	478,435	1936 [1]	493,667	54,580	439,088	227,004	770,955
1914	513,525	90,822	422,704	1937 [1 2]	494,311	51,856	442,455	197,599	[3] 787,000

State	1911–1915	1916–1920	1921–1925	1926–1930 [1]	1931–1935 [1]	1934 [1]	1935 [1]	1936 [1]	1937 [1 2]
Total quantity	**529,189**	**626,386**	**558,947**	**595,497**	**405,108**	**416,536**	**424,532**	**493,667**	**494,311**
Anthracite (Pa.)	89,233	92,741	77,648	76,619	53,674	57,168	52,159	54,580	51,856
Bituminous	439,956	533,645	481,299	518,878	351,434	359,368	372,373	439,088	442,455
Alabama	15,864	17,834	18,097	18,380	9,252	9,142	8,505	12,229	12,400
Arkansas	1,986	1,980	1,261	1,579	1,012	856	1,133	1,623	(4)
Colorado	9,433	11,595	10,049	9,665	5,711	5,211	5,911	6,812	7,153
Illinois	58,320	78,255	68,523	57,310	40,198	41,272	44,525	50,927	51,240
Indiana	16,060	25,515	21,677	18,467	14,386	14,794	15,754	17,822	17,270
Iowa	7,442	7,571	4,952	3,879	3,492	3,367	3,650	3,961	3,690
Kansas	6,811	6,556	3,827	3,215	2,270	2,508	2,686	2,944	(5)
Kentucky	18,380	30,108	43,743	61,116	38,130	38,525	40,761	47,522	47,053
Maryland	4,549	4,158	2,033	2,700	1,654	1,627	1,678	1,704	1,570
Michigan	1,271	1,301	976	705	492	622	628	626	561
Missouri	4,048	5,086	3,011	3,538	3,624	3,352	3,646	3,985	[5] 7,044
Montana	2,972	4,008	2,881	3,139	2,396	2,566	2,759	2,988	3,075
New Mexico	3,618	3,728	2,772	2,612	1,338	1,259	1,389	1,597	1,795
North Dakota	506	787	1,221	1,622	1,750	1,754	1,956	2,215	[6] 2,105
Ohio	28,553	40,609	31,590	21,111	19,151	20,691	21,153	24,110	24,500
Oklahoma	3,720	4,292	2,741	3,346	1,368	1,208	1,229	1,540	[4] 3,200
Pennsylvania	157,229	168,532	133,721	137,038	86,592	89,826	91,405	109,887	110,160
Tennessee	6,288	6,208	5,078	5,544	4,062	4,136	4,138	5,108	5,292
Texas	2,201	1,980	1,084	1,107	738	759	758	843	879
Utah	2,999	4,693	4,593	4,683	2,846	2,406	2,947	3,247	3,750
Virginia	7,924	10,158	10,648	12,521	8,923	9,377	9,667	11,662	13,558
Washington	3,261	3,576	2,626	2,513	1,555	1,383	1,559	1,812	2,010
West Virginia	69,353	86,369	97,044	136,315	95,748	98,134	99,179	117,926	118,050
Wyoming	6,907	8,555	6,812	6,526	4,545	4,368	5,177	5,781	5,930
Other States and Alaska	259	190	239	246	201	224	180	217	170

[1] Exclusive of product of wagon mines. [2] Preliminary.
[3] Estimate by Bureau of Mines; based on Bureau of Labor Statistics composite wholesale price index.
[4] Arkansas included with Oklahoma. [5] Kansas included with Missouri.
[6] Includes South Dakota.

Source: Bureau of Mines, Department of the Interior.

No. 754.—COAL: Exports, Imports, and Bunker Coal Laden on Vessels in Foreign Trade

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Yearly average or year	Total exports [1]		Anthracite exports		Bituminous exports [1]		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895 [2]	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	--------	--------
1896–1900 [2]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	--------	--------
1901–1905 [2]	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	--------	--------
1906–1910 [3]	12,018	36,805	2,646	13,034	9,372	23,770	1,727	4,530	[4] 5,638	[4] 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
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	82,402
1921	24,829	168,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,250	4,120	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	879	5,846	4,344	23,398
1926	35,091	196,905	3,598	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	597	3,284	4,076	22,077
1928	17,411	92,121	2,979	32,657	14,433	59,464	831	4,989	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	754	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	[5] 584	[5] 3,432	1,175	5,241
1934	10,863	51,464	1,159	11,082	9,704	40,382	[5] 587	[5] 4,190	1,179	5,798
1935	10,135	48,424	1,436	13,186	8,699	35,238	[5] 705	[5] 4,350	1,407	7,338
1936	11,012	52,381	1,498	13,775	9,513	38,606	[5] 772	[5] 4,523	1,448	7,463
1937	13,445	63,617	1,709	14,796	11,736	48,821	[5] 549	[5] 2,824	1,635	8,840

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

No. 755.—COAL: Shipments, Average Value per Ton, and Men Employed

Calendar year	Thousand tons (2,000 pounds)				Average value per ton at mines	Average number of men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Capacity of mines [1] (million tons [2])
	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	(3)	71
1895	52,093	1,315	4,591	--------	1.41	142,917	196	2.07	406	(3)	90
1900	50,710	1,208	5,550	--------	1.49	144,206	166	2.40	398	(3)	105
1905	69,053	1,571	7,036	--------	1.83	165,406	215	2.18	470	(3)	110
1910	73,623	2,021	8,841	--------	1.90	169,497	229	2.17	498	(3)	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	53,768	2,885	5,164	--------	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
1934	50,756	3,286	3,126	--------	4.27	109,050	207	2.53	524	3.5	84
1935	46,538	2,875	2,746	--------	4.03	103,269	189	2.68	505	3.5	84
1936	48,648	3,227	2,705	--------	4.16	102,081	192	2.79	535	4.0	87
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[4] 5.3	151
1895	106,287	8,340	2,086	18,404	.86	239,962	194	2.90	563	[5] 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	9,668	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
1934	328,432	26,113	3,175	1,648	1.75	458,011	178	4.40	785	79.2	622
1935	338,069	29,734	3,103	1,468	1.77	462,403	179	4.50	805	78.8	640
1936	395,631	37,501	3,227	2,729	1.76	477,204	199	4.62	920	79.3	680

[1] Calculated at 303.5 working days in the anthracite field and 308 working days in the bituminous field.
[2] Of 2,000 pounds. [3] Not available. [4] 1891. [5] 1896.

Sources: Table 754, Bureau of Foreign and Domestic Commerce; table 755. Bureau of Mines, Department of the Interior.

No. 756.—CONSUMPTION OF BITUMINOUS COAL: By Consuming Classes

	1889	1899	1909	1919	1929	1934	1935	1936	1937 [1]
Consumption (million tons of 2,000 lbs.), total	95.8	190.3	370.3	481.7	519.6	347.0	360.3	422.8	425.4
Colliery fuel	1.4	3.1	9.5	11.1	4.7	3.2	3.1	3.2	3.3
Locomotive fuel, all steam roads	26.5	53.4	106.0	[2] 119.7	[2] 113.9	[2] 70.5	[2] 71.3	[2] 81.1	[2] 82.7
Bunkers, vessels in foreign trade	1.9	3.8	6.8	8.2	4.3	1.3	1.6	1.6	1.8
Coke ovens, beehive and by-product	16.0	30.2	59.4	65.6	86.8	46.0	50.5	65.9	75.3
Electric public utilities [3]	(4)	7.6	18.7	35.1	44.9	33.6	34.8	42.0	44.8
All other uses [5]	50.0	92.2	169.9	242.0	265.0	192.5	199.0	228.9	217.6
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	.9	.9	.8	.8
Locomotive fuel, all steam roads	27.7	28.1	28.6	[2] 24.9	[2] 21.9	[2] 20.3	[2] 19.8	[2] 19.2	[2] 19.4
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	13.2	14.0	15.6	17.7
Electric public utilities	(4)	4.0	5.0	7.3	8.6	9.7	9.7	9.9	10.5
All other uses	52.1	48.4	45.9	50.2	51.0	55.5	55.2	54.1	51.1

[1] Preliminary.
[2] Class I roads.
[3] Includes electric central stations and street railways and certain minor plants. 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: Bureau of Mines, Department of the Interior (data were assembled from various original sources)

No. 757.—LABOR STRIKES IN COAL MINES

Note.—The number of men on strike and of man-days lost in anthracite mines were as follows: 1935, 26,127 men and 763,307 man-days; 1936, 27,574 men and 407,372 man-days. Other data for these years not available.

Year	Men on strike	Man-days lost	Average days lost per man	Year	Men on strike	Man-days lost	Average days lost per man
1911	41,411	983,737	24	1923	197,214	3,868,543	20
1912	311,056	12,527,305	40	1924	129,452	5,362,748	41
1913	135,395	3,049,412	23	1925	186,369	16,433,036	88
1914	161,720	11,013,667	68	1926	174,724	6,707,778	38
1915	67,190	2,467,431	37	1927 [1]	193,322	26,675,109	138
1916	170,633	3,344,586	20	1928	86,870	4,605,086	53
1917	160,240	2,348,399	15	1929	58,052	468,453	8
1918	79,395	508,526	6	1930	41,000	1,102,758	27
1919	453,418	15,761,410	35	1931	110,565	2,127,984	19
1920	282,419	5,914,473	21	1932	97,126	7,841,991	81
1921	151,263	3,106,103	21	1933	176,451	4,413,304	25
1922	603,031	73,497,043	122	1934	131,072	2,155,953	16

State	1931		1932		1933		1934	
	Men on strike	Man-days lost	Men on strike	Man-days lost	Men on strike	Man-days lost	Men on strike	Man-days lost
Grand total	110,565	2,127,984	97,126	7,841,991	176,451	4,413,304	131,072	2,155,953
Anthracite (Pa.)	65,907	570,664	34,259	289,523	50,948	686,692	38,994	774,856
Total bituminous	44,658	1,557,320	62,867	7,552,468	125,503	3,726,612	92,078	1,381,097
Arkansas	860	21,153	1,964	103,522	1,225	8,241	79	948
Illinois	9,400	397,263	32,961	4,397,006	[2] 3,187	130,197	[2] 2,680	47,639
Indiana	883	14,181	3,820	507,051	3,151	48,210	90	300
Iowa	824	24,500	389	7,503	4,462	186,763	3,007	38,900
Kentucky	2,920	59,240	721	30,725	5,302	69,037	5,665	62,723
Michigan	597	26,185			562	62,990		
Missouri	679	34,671	301	48,590	463	8,040	1,029	76,806
Montana			748	28,100				
Ohio	5,591	138,155	15,290	2,130,292	3,647	45,942	4,062	44,408
Oklahoma	501	19,812	970	46,903	219	1,296	156	8,118
Pennsylvania	12,783	398,932	2,021	113,696	36,832	2,896,545	27,359	309,905
Tennessee	1,133	28,767	550	35,907	375	10,125	500	9,360
Virginia			140	140	3,226	56,442	3,701	30,783
Washington			958	42,266	894	87,270	877	17,800
West Virginia	8,441	393,883	1,510	44,307	8,723	50,929	27,530	338,272
Other States	46	578	524	16,400	3,235	64,585	15,334	395,135

[1] Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.
[2] Not including men idle through labor factional trouble due to jurisdictional claims of a rival union.

Source: Bureau of Mines, Department of the Interior.

No. 758.— COAL: Retail Prices, for Household Use, as of December 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite,[1] chestnut					Bituminous				
	1929	1932	1934	1936	1937	1929	1932	1934	1936	1937
Atlanta, Ga						7.79	6.22	7.02	7.39	7.64
Baltimore, Md	13.75	12.75	11.54	11.25	10.20	7.96	[2] 6.86	[2] 7.25	[2] 7.29	[2] 7.21
Birmingham, Ala						7.64	5.00	6.29	6.36	[3] 6.58
Boston, Mass	15.50	13.50	13.50	13.00	12.72					[2] 9.19
Bridgeport, Conn	15.50	12.88	13.50	12.50	12.10					
Buffalo, N. Y	13.32	12.21	12.65	12.50	11.95					[2] 6.16
Butte, Mont.[4]						11.17	9.73	9.77	10.07	10.54
Charleston, S. C						9.67	8.67	10.00	9.33	9.33
Chicago, Ill.[4]	16.40	15.50	[3] 13.57	[3] 15.00	[3] 15.05	[5] 8.47	[5] 7.25	[3 5] 8.25	[3 5] 8.74	[3 5] 9.13
Cincinnati, Ohio						[5] 6.30	[5] 5.35	[5] 5.92	[3 5] 6.32	[3 5] 6.58
Cleveland, Ohio	14.80	13.44	12.23	[3] 13.65	[3] 13.69	[5] 7.10	[5] 5.64	[5] 6.77	[3 5] 6.90	[3 5] 7.38
Columbus, Ohio						[5] 5.95	[5] 5.06	[5] 6.45	[3 5] 6.27	[3 5] 6.34
Dallas, Tex	[6] 15.50	[6] 14.00	[6] 13.50	[6] 13.25	[6] 13.00	12.92	10.75	10.25	10.43	10.36
Denver, Colo	[7] 14.75	[7] 14.50	[7] 15.50	[3] 15.81	[3] 15.81	10.45	7.02	7.81	[3] 7.35	[3] 7.81
Detroit, Mich	15.50	13.17	[3] 12.19	[3] 12.40	[3] 12.36	[5] 8.39	[5] 5.80	[3 5] 7.17	[3 5] 7.10	[3 5] 7.07
Fall River, Mass	16.25	14.25	14.25	13.50	13.75					[2] 8.80
Houston, Tex		[6] 14.67	[6] 14.50	[6] 14.33	[6] 15.00	13.20	10.00	11.75	11.71	11.17
Indianapolis, Ind						[5] 6.15	[5] 5.05	[5] 6.40	[5] 5.89	[5] 6.21
Jacksonville, Fla						14.00	8.50	11.13	11.25	11.00
Kansas City, Mo	[6] 12.55	[6] 10.63	[6] 10.50	[6 3] 10.10	[3 6] 10.83	7.10	5.61	6.01	[3] 6.00	[3] 6.38
Little Rock, Ark	[6] 13.50	[6] 10.75	[6] 10.50	[3 6] 9.00	[3 6] 9.69	10.10	8.39	8.17	[3] 8.40	[3] 8.72
Los Angeles, Calif						16.50	16.25	[3] 16.78	[3] 16.74	[3] 17.00
Louisville, Ky						[5] 7.08	[5] 4.64	[3 5] 6.15	[5] 5.62	[5] 5.91
Manchester, N. H	17.00	14.83	15.50	14.50	14.19					[2] 10.50
Memphis, Tenn						7.39	5.72	7.19	7.48	7.54
Milwaukee, Wis	15.85	14.80	13.30	14.00	13.95	[5] 7.68	[5] 6.99	[5] 7.98	[5] 8.67	[5] 8.80
Minneapolis, Minn	17.85	17.10	15.55	15.90	15.50	[5] 10.56	[5] 9.56	[5] 10.58	[5] 10.66	[5] 10.64
Mobile, Ala						9.63	7.30	9.00	9.11	[3] 9.21
Newark, N. J	13.46	12.00	11.40	11.75	11.25					
New Haven, Conn	15.25	14.00	13.65	13.35	13.00					
New Orleans, La						10.96	8.57	10.60	[3] 10.96	[3] 11.09
New York, N. Y	14.08	12.29	[3] 12.44	[3] 11.83	[3] 11.01					[2 3] 7.43
Norfolk, Va	14.00	13.00	13.50	13.50	13.00	[5] 7.25	[5] 6.50	[5] 8.00	[5] 7.50	[5] 7.50
Omaha, Nebr						9.69	8.48	8.55	8.79	9.50
Peoria, Ill.[4]						6.75	6.02	[3] 6.84	[3] 7.54	[3] 7.56
Philadelphia, Pa	[8] 12.95	11.50	10.96	10.71	10.11					
Pittsburgh, Pa.[4]	15.00	13.00	12.75	12.88	12.69	5.29	3.50	4.20	4.86	4.80
Portland, Maine	16.80	15.60	14.25	14.00	13.25					[2] 8.50
Portland, Oreg						13.40	11.52	11.56	12.49	13.05
Providence, R. I	16.00	14.50	14.75	14.31	13.38					[2] 8.38
Richmond, Va	15.00	13.50	13.00	13.50	12.67	[5] 8.38	[5] 6.83	[5] 7.67	[5] 7.67	[5] 8.08
Rochester, N. Y	14.25	13.13	12.73	12.11	11.93					
St. Louis, Mo.[4]	16.45	15.22	13.83	[3] 14.39	[3] 14.66	6.75	5.47	5.99	[3] 5.64	[3] 5.89
St. Paul, Minn	17.85	17.10	15.55	15.90	15.47	[5] 10.27	[5] 9.42	[5] 10.28	[5] 10.51	[5] 10.54
Salt Lake City, Utah						8.38	7.17	[3] 6.66	[3] 6.73	[3] 7.16
San Francisco, Calif	[9] 26.00		[3 9] 25.63	[3 9] 23.69	[3 9] 23.95	17.13	15.00	[3] 15.21	[3] 15.97	[3] 16.33
Savannah, Ga						[10] 10.24	[10] 8.12	[10] 10.03	[10] 9.24	[10] 10.00
Scranton, Pa	9.92	9.00	8.38	8.28	7.88					
Seattle, Wash.[4]						10.68	9.79	9.64	[3] 10.19	[3] 10.85
Springfield, Ill.[4]						4.34	3.79	[3] 4.54	[3] 4.44	[3] 5.23
Washington, D. C	[8] 15.23	[8] 14.15	[8] 14.00	[8] 13.00	[8] 12.79	[5 8] 8.63	[5 8] 8.29	[5 8] 9.00	[5 8] 8.50	[5 8] 8.69

[1] Pennsylvania anthracite, except as noted.
[2] Run of mine, low volatile.
[3] Prices include sales tax.
[4] Increases of approximately 10 to 30 cents per ton resulted from exclusion of reduced prices for deliveries of lots of 2 or more tons in computation of average prices for certain cities for December 1936. This accounts for differences between 1936 prices as given in this table and those given in table 749 of the 1937 Statistical Abstract. Beginning 1936, prices are on basis of 1 ton deliveries; for earlier years, on averages of 1 or more.
[5] Prepared sizes, high volatile.
[6] Arkansas anthracite, egg or furnace.
[7] Colorado anthracite, furnace, 1 and 2 mixed.
[8] Per ton of 2,240 pounds.
[9] New Mexico anthracite, Cerillos egg.
[10] Prices include municipal weighing charge of 10 cents per ton.

Source: Bureau of Labor Statistics, Department of Labor.

No. 759.—COAL: Average Retail Prices and Indexes For Large Cities Combined

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
1929	$8.85	$14.14	$13.70	91.5	100.5	97.7
1930	8.83	14.03	13.66	91.3	99.7	97.3
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
1937						
March	8.61	11.76	11.84	88.6	83.5	84.3
June	8.39	10.49	10.66	86.4	74.5	75.9
September	8.60	10.80	10.98	88.5	76.8	78.2
December	8.72	11.13	11.28	90.1	79.1	80.3
1938						
March	8.83	11.15	11.31	91.0	79.3	80.5
June [1]	8.38	10.52	10.63	86.4	74.8	75.7

[1] Preliminary.

No. 760.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation

Yearly average or year	Natural gas produced and marketed		Natural gasoline			Year	Natural gas produced and marketed		Natural gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1906–1910	437,057	57,940				1929	1,917,693	413,276	1,959,294	2,233,688	158,410
1911–1915	575,708	88,492	11,602	30,317	2,481	1930	1,943,421	416,090	2,088,778	2,210,494	128,160
1916–1920	762,681	154,590	412,787	268,038	48,174	1931	1,686,436	392,816	1,790,119	1,831,018	63,732
1921–1925	947,419	229,002	820,445	762,151	82,205	1932	1,555,090	384,632	1,499,756	1,523,800	49,244
1926–1930	1,637,540	362,238	1,613,811	1,852,490	136,123	1933	1,555,474	368,540	1,551,464	1,420,000	54,368
1931–1935	1,697,043	394,148	1,687,902	1,592,613	59,761	1934	1,770,721	395,378	1,776,172	1,535,360	60,523
1926	1,313,019	300,168	1,206,300	1,363,090	136,412	1935	1,916,595	429,374	1,822,000	1,651,986	70,940
1927	1,445,428	317,930	1,341,248	1,641,144	118,688	1936	2,167,802	476,813	1,815,000	1,796,340	84,572
1928	1,568,139	363,726	1,473,434	1,814,034	138,944	1937 [1]	2,370,000	511,002	2,040,000	2,039,100	97,265

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced		
	1920	1925	1930	1935	1936	1936	1935	1936	1937 [1]
Total [2]	798,210	1,188,571	1,943,421	1,916,095	2,167,802	2,160,518	1,651,986	1,796,340	2,039,100
Arkansas	19,050	41,878	18,585	6,167	8,500	30,986	13,076	11,957	11,277
California	66,041	187,789	334,789	284,109	320,466	320,406	534,624	593,416	612,467
Illinois	3,013	4,165	2,890	1,448	865	72,516	2,642	2,337	2,684
Kansas	33,140	26,917	37,630	57,125	69,178	82,025	32,507	37,775	55,899
Kentucky	15,297	10,770	28,023	39,788	43,903	18,159	5,614	6,009	7,332
Louisiana	46,219	152,620	278,341	249,450	290,151	166,485	49,732	72,687	100,455
Montana	818	1,496	10,060	19,870	23,003	[3] 19,894	1,739	2,071	2,316
New Mexico		(4)	9,497	27,931	[5] 33,928	19,814	19,563	28,921	38,324
New York	19,127	[6] 6,210	[6] 9,624	[6] 8,288	[6] 12,431	40,638	27	22	33
Ohio	136,872	43,235	63,394	49,592	46,994	121,381	6,232	6,991	7,704
Oklahoma	126,689	249,285	348,116	274,313	280,481	260,120	379,913	418,591	486,704
Penn	161,397	101,632	88,706	[7] 94,464	[7] 110,362	110,195	12,623	14,267	13,822
Texas	49,467	[8] 134,872	[8] 517,880	[8] 642,366	[8] 734,561	598,088	516,748	520,547	611,799
W. Virginia	100,289	180,345	144,180	115,772	138,076	57,978	42,433	44,389	52,213
Wyoming	10,312	45,539	43,219	26,643	29,322	20,153	32,246	33,894	33,316

[1] Preliminary. [2] Includes States not shown separately.
[3] Includes 152,000,000 cubic feet piped from Canada. [4] Separate data not available.
[5] Includes 594,000,000 cubic feet piped to Mexico.
[6] Includes 68,000,000 cubic feet piped to Canada in 1925, 107,000,000 in 1930, 29,000,000 in 1935, and 30,000,000 in 1936.
[7] Includes 44,000,000 cubic feet piped to Canada in 1935, and 54,000,000 in 1936.
[8] Includes 64,000,000 cubic feet piped to Mexico in 1925, 1,691,000,000 in 1930, 6,727,000,000 in 1935, and 6,758,000,000 in 1936.

Sources: Table 759, Bureau of Labor Statistics, Department of Labor; table 760, Bureau of Mines, Department of the Interior.

No. 761.—MANUFACTURED-GAS INDUSTRY: Materials Used and Products

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains; they do not cover establishments which merely distribute purchased gas. Blast-furnace gas and, with some exceptions, byproduct coke-oven gas are not included

Material or product	Unit	Quantity (thousands of units specified)			Value (thousands of dollars)		
		1929	1931	1935	1929	1931	1935
Materials used:							
Coal for gas making:							
Anthracite	Long ton [1]	68	42	36			
Bituminous	Short ton [2]	8,918	9,055	7,503			
Oil for gas making	Barrel [3]	4,683	1,607	867			
Oil for carbureting	do	16,024	13,893	11,116			
Gas purchased	M cu. ft	[4] 103,209	[4] 96,226	100,535			
Gas and byproducts, total					[5] 479,066	[5] 437,253	345,328
Gas sold	M cu. ft	[4] 408,401	[4] 374,068	312,224	[5] 438,243	[5] 399,681	314,371
Coke for sale	Short ton [2]	3,444	3,599	3,329	26,868	26,673	23,284
Tar for sale	Gallon	163,695	149,891	117,594	8,170	6,631	4,722
Other byproducts					5,785	4,269	2,951

[1] 2,240 pounds. [2] 2,000 pounds. [3] 42 gallons.
[4] Includes 5,281,902 M cu. ft. in 1929 and 6,184,801 M cu. ft. in 1931 purchased from establishments in the gas industry. No similar duplication is included in the corresponding figure for 1935.
[5] Includes value of gas referred to in footnote 4.

No. 762.—MANUFACTURED-GAS AND NATURAL-GAS INDUSTRIES: Summary of Statistics

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 1937 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

	1930	1931	1932	1933	1934	1935	1936	1937
MANUFACTURED-GAS INDUSTRY								
Population served, Dec. 31	46,225	46,912	46,871	47,357	47,609	47,623	47,811	48,248
Miles of main, Dec. 31	84,000	88,200	88,300	89,600	89,800	91,000	91,400	92,295
Employees, Dec. 31	71,000	68,900	63,200	66,600	68,800	68,300	70,200	69,874
Total gas produced and purchased	397,451	385,099	358,248	343,967	361,803	365,953	376,285	379,722
Gas produced	289,579	281,234	248,669	232,191	238,426	235,542	239,526	237,216
Gas purchased	107,872	103,865	109,579	111,776	123,377	130,411	136,759	142,506
Total number of customers, Dec. 31 [1]	9,774	9,706	9,255	9,208	9,379	9,517	9,704	9,949
Domestic	9,280	9,186	8,776	8,708	8,837	8,957	9,063	9,276
House heating	52	57	59	79	115	131	172	202
Industrial and commercial	435	456	411	412	418	420	460	462
Total gas sales to consumers [1]	368,179	358,702	329,332	312,733	324,314	330,228	341,731	350,563
Domestic	257,582	253,068	240,495	223,110	216,507	206,636	198,199	195,400
House heating	17,598	19,128	18,983	20,037	28,181	35,040	41,226	45,600
Industrial and commercial	90,712	84,478	67,609	67,589	77,567	86,419	100,109	107,433
Total revenue from consumers [1]	414,419	404,928	383,860	354,675	356,544	353,214	357,277	359,965
Domestic	317,103	311,850	303,491	279,285	274,157	265,379	258,924	256,853
House heating	14,558	15,394	14,611	14,108	18,829	22,628	26,207	28,539
Industrial and commercial	80,884	76,114	64,154	59,765	62,085	63,707	70,630	73,093
NATURAL-GAS INDUSTRY								
Population served, Dec. 31						32,003	32,697	32,814
Miles of main, Dec. 31						175,380	179,270	182,320
Employees, Dec. 31						58,770	64,990	65,740
Total number of customers, Dec. 31	6,176	6,175	6,082	6,133	6,346	6,559	6,771	7,006
Domestic [2]	5,795	5,732	5,628	5,675	5,869	6,061	6,249	6,465
Commercial	358	416	427	430	444	465	485	501
Industrial [1]	23	27	27	28	33	33	37	40
Total gas sales to consumers	988,522	906,810	832,674	861,176	974,941	1,052,486	1,214,579	1,314,493
Domestic [2]	346,904	339,562	319,636	290,382	302,449	319,806	338,989	359,294
Commercial	61,236	68,355	76,774	73,479	78,831	87,728	96,316	102,654
Industrial [1]	580,382	498,893	436,264	488,315	593,661	644,952	779,274	852,545
Total revenue from consumers	383,824	364,186	340,711	328,124	345,348	374,546	410,607	441,232
Domestic [2]	235,877	236,098	226,488	212,064	212,235	223,978	235,771	246,546
Commercial	33,573	37,483	38,637	36,838	38,046	41,945	46,070	48,152
Industrial [1]	114,374	90,605	75,586	79,222	95,067	108,623	128,766	146,534

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

Sources: Table 761, Bureau of the Census, Dept. of Commerce; table 762, American Gas Association.

No. 763.—TOTAL NET MONTHLY BILL AND PRICE PER THERM FOR SPECIFIED AMOUNTS OF GAS: BASED ON RATES AS OF DEC. 15, 1937, BY CITIES

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	2.48	23.4	4.16	21.2	5.70	18.6	7.19	17.7
	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	1.94	18.3	3.33	17.0	4.69	15.3	5.39	13.3
Cincinnati	X	865	.91	8.6	1.63	8.3	2.45	8.0	3.16	7.8
Cleveland	N	1,100	[6] .75	7.1	.89	4.5	1.43	4.7	1.93	4.8
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]	N	1,010	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	7.04	18.8
Houston	N	1,030	1.17	11.0	1.74	8.9	2.43	7.9	3.06	7.5
Indianapolis	M	570	1.58	14.9	2.92	14.9	4.57	14.9	6.05	14.9
Jacksonville	M	535	4.03	38.0	6.34	32.4	8.20	26.8	9.88	24.3
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	1.25	11.8	1.81	9.2	2.42	7.9	2.95	7.3
Louisville [8]	X	900	.92	8.7	1.43	7.3	2.06	6.7	2.63	6.5
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	1.98	18.7	3.13	16.0	4.54	14.8	5.78	14.2
Mobile: Present	N	960	2.25	21.2	3.43	17.5	4.75	15.5	5.43	13.4
Objective [4]	N	960	2.05	19.3	2.99	15.3	4.06	13.3	4.69	11.5
Newark	M	525	2.69	25.4	4.31	22.0	6.06	19.8	7.29	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: [7]										
Bronx, Manhattan, and Queens	M	540	2.30	21.7	4.26	21.7	6.65	21.7	8.82	21.7
Brooklyn	M	540	2.34	22.1	3.80	19.4	5.25	17.2	6.42	15.8
	M	540	2.43	23.0	4.05	20.7	6.03	19.7	7.82	19.3
	M	540	2.58	24.4	4.37	22.3	6.56	21.4	8.54	21.0
Richmond	M	540	3.10	29.3	5.10	26.0	7.08	23.1	8.87	21.8
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	1,130	[6] 1.00	9.4	1.04	5.3	1.63	5.3	2.15	5.3
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	2.05	19.4	3.35	17.1	4.92	16.1	6.23	15.3
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	1.27	12.0	1.82	9.3	2.49	8.1	3.10	7.6
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 [8]	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	4.66	15.2	5.56	13.7
Washington	X	604	1.51	14.2	2.71	13.8	4.01	13.1	5.16	12.7

[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: Bureau of Labor Statistics, Department of Labor.

No. 764.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1861–1865	2,479	9,965	1908	178,527	129,079	1923	732,407	978,430
1866–1870	4,013	15,795	1909	183,171	128,329	1924	713,940	1,022,683
1871–1875	8,221	16,430	1910	209,557	127,900	1925	763,743	1,284,960
1876–1880	16,816	22,926	1911	220,449	134,045	1926	770,874	1,447,760
1881–1885	25,508	22,933	1912	222,935	164,213	1927	901,129	1,172,830
1886–1890	32,990	23,830	1913	248,446	237,121	1928	901,474	1,054,880
1891–1895	51,095	35,708	1914	265,763	214,125	1929	1,007,323	1,280,417
1896–1900	59,498	56,836	1915	281,104	179,463	1930	898,011	1,070,200
1901–1905	102,083	83,524	1916	300,767	330,900	1931	851,081	550,630
1906–1910	172,769	119,572	1917	335,316	522,635	1932	785,159	680,460
1911–1915	247,739	185,793	1918	355,928	703,944	1933	905,656	608,000
1916–1920	362,661	735,698	1919	378,367	760,266	1934	908,065	904,825
1921–1925	647,961	999,186	1920	442,929	1,360,745	1935	996,596	961,440
1926–1930	895,762	1,205,217	1921	472,183	814,745	1936	1,099,687	1,199,820
1931–1935	889,311	741,071	1922	557,531	895,111	1937 (prel.)	1,277,653	1,530,000

Source: Bureau of Mines, Department of the Interior.

No. 765.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils. Imports are imports for consumption beginning with 1933; general imports in earlier years

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	6,026	(1)	(1)	(1)	2.4	37.7	(1)
1881–1890	29,249	(1)	(1)	1,719	12,084	(1)	(1)	(1)	5.1	43.7	(1)
1891–1895	51,095	(1)	(1)	2,606	16,751	(1)	(1)	(1)	5.0	40.8	(1)
1896–1900	59,498	(1)	(1)	2,907	20,240	(1)	(1)	(1)	5.8	57.1	(1)
1901–1905	102,083	(1)	(1)	3,029	22,317	(1)	(1)	(1)	6.3	68.5	(1)
1906–1910	172,769	[2] 295	(1)	3,686	30,521	(1)	[2] 0.7	(1)	6.4	90.4	(1)
1911–1915	247,739	12,080	293	4,134	44,475	(1)	7.6	1.1	6.1	125.8	(1)
1916–1920	362,661	49,531	1,396	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
1921	472,183	125,364	3,412	8,865	57,534	27,076	66.5	10.8	20.2	363.5	57.2
1922	557,531	127,308	8,639	9,995	59,592	31,692	70.4	17.8	18.3	312.6	43.7
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	115,399	50,051	78.6	33.6	25.9	429.7	73.0
1928	901,474	79,767	11,701	18,961	126,159	51,226	90.5	40.9	26.8	465.2	59.4
1929	1,007,323	78,933	29,632	26,394	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] 151.3	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	13.4	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	1,277,653	27,310	33,037	67,127	[3] 93,462	37,688	20.8	22.4	96.4	[3] 253.4	43.5

[1] Data are not available.
[2] Average for years 1908–1910 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, and 3,738,000 barrels at $9,465,000 in 1937), included with refined oils prior to 1932.

Sources: Bureau of Mines, Department of the Interior, and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 766.—PETROLEUM, CRUDE: Production by Regions and States, and Approximate World Production

[In thousands of barrels of 42 gallons]

Section	1901–1910 (average)	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926–1930 (average)	1931–1935 (average)	1935	1936	1937 (preliminary)
World total [1]	236,615	384,345	541,733	944,777	1,316,390	1,460,372	1,654,593	1,801,786	2,040,500
United States [2]	137,426	247,739	362,661	647,961	895,762	889,311	996,596	1,099,687	1,277,653
Percent of total	*58.1*	*64.5*	*66.9*	*68.6*	*68.0*	*60.9*	*60.2*	*61.0*	*62.6*
Regions:									
Appalachian	28,943	24,594	27,161	28,504	31,603	30,079	32,384	34,322	36,921
Lima—N. E. Ind. [3]—Mich	17,253	5,052	3,468	2,298	3,603	10,050	16,715	12,706	16,554
Illinois—S. W. Indiana [3]	12,659	24,955	13,918	9,585	7,495	5,326	5,079	5,277	8,252
Mid-continent	25,088	87,656	184,616	343,545	527,944	566,251	608,605	669,538	773,849
Gulf	17,436	12,357	24,273	33,688	54,140	75,401	105,690	140,562	177,152
Rocky Mountain	402	2,605	11,830	35,258	29,468	17,984	20,291	22,509	26,404
California	35,641	90,512	97,384	195,074	241,509	184,221	207,832	214,773	238,521
States:									
Arkansas	--------	--------	--------	36,644	35,010	12,144	11,008	10,469	11,681
California	35,641	90,512	97,384	195,074	241,509	184,221	207,832	214,773	238,521
Colorado	381	211	139	392	2,477	1,260	1,560	1,650	1,496
Illinois	12,659	24,955	13,918	8,815	6,554	4,551	4,322	4,475	7,426
Indiana	6,527	1,167	865	1,011	937	800	777	822	826
Kansas [4]	4,603	2,236	32,556	32,733	41,123	43,033	54,843	58,317	70,761
Kentucky [5]	696	484	5,335	8,044	7,103	5,494	5,258	5,633	5,484
Louisiana	4,310	12,997	19,117	25,759	22,338	30,396	50,330	80,491	90,510
Michigan	--------	--------	--------	1	1,913	9,004	15,776	11,928	15,928
Montana	--------	--------	129	2,729	4,826	3,153	4,603	5,868	5,765
New Mexico [6]	--------	--------	--------	[7] 554	3,171	15,829	20,483	27,223	38,797
New York	1,153	920	864	1,274	2,765	3,618	4,236	4,663	5,478
Ohio	15,677	8,586	7,583	7,045	7,022	4,504	4,082	3,847	3,559
Oklahoma [4]	19,076	68,624	102,209	155,088	235,663	176,293	185,288	206,555	228,924
Pennsylvania	10,538	8,002	7,662	7,607	10,613	13,443	15,810	17,070	19,155
Texas	14,534	16,256	55,008	127,009	245,792	364,341	392,666	427,411	510,732
West Virginia	11,605	10,487	8,311	6,575	5,655	4,032	3,902	3,847	3,845
Wyoming	21	2,394	11,562	31,901	21,145	13,158	13,755	14,582	18,703

[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] Kansas includes Oklahoma, 1905 and 1906. [5] Kentucky includes Tennessee, 1891 to 1907.
[6] Not shown separately prior to 1924. [7] Average for years 1924 and 1925.

No. 767.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1920	1925	1930	1934	1935	1936	1937
Crude petroleum, total [1]	149,448	345,863	408,809 [2] 411,882	337,254	314,855	288,579 [2] 288,184	306,084
At refineries [3]	28,703	[4] 20,607	[4] 41,136	64,099	59,148	46,846	51,041
Pipe line and tank farm [5]	117,159	[4] 308,696	[4] 361,065 [2 4] 364,138	264,625	245,178	230,499	244,545
Producers' [5]	3,586	7,560	6,608	8,530	10,529	11,234 [2] 10,839	10,498
Natural gasoline	(6)	[7] 326	2,377 [2] 3,100	3,740 [2] 4,216	3,698	4,055	4,758
Refined products, total [1 8]	60,397	206,275	254,311 [2] 251,680	223,356 [2] 222,682	223,361	226,595 [2] 226,407	253,144
Gasoline	11,009	38,918	40,541 [2] 40,098	48,205 [2] 47,531	50,647	56,382 [2] 56,263	69,892
Kerosene	9,359	7,121	6,883	6,398	7,915	5,633	7,083
Gas oil and fuel oil [1]	19,938	110,464	140,428 [2] 137,790	110,397	103,984	107,049 [2] 107,018	117,585
Lubricants	3,822	7,253	10,971	7,331	7,025	6,942 [2] 6,482	7,512
Grand total stocks all oils	209,845	552,464	665,497 [2] 666,662	564,350 [2] 564,152	541,914	519,229 [2] 518,646	563,986

[1] California heavy crude and fuel oil included in refined products as residual fuel oil beginning 1925.
[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 766 and 767: Bureau of Mines, Department of the Interior.

No. 768.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1931	1932	1933	1934	1935	1936	1937 (preliminary)
Total new supply of all oils	982, 611	896, 965	986, 228	996, 823	1, 090, 435	1, 202, 063	1, 386, 141
Domestic production, total	896, 524	822, 471	940, 834	946, 329	1, 037, 800	1, 144, 959	1, 328, 989
Crude petroleum	851, 081	785, 159	905, 656	908, 065	996, 596	1, 099, 687	1, 277, 653
Natural gasoline	43, 617	36, 281	33, 810	36, 556	39, 333	42, 770	48, 550
Benzol	1, 826	1, 031	1, 368	1, 708	1, 871	2, 502	2, 786
Imports—							
Crude	47, 250	44, 082	31, 893	35, 558	32, 239	32, 327	27, 484
Refined [1]	38, 837	29, 812	13, 501	14, 936	20, 396	24, 777	29, 668
Change in stocks [2]	−44, 989	−41, 792	+11, 013	−37, 848	−22, 238	−22, 685	+45, 340
Total demand	1, 027, 600	938, 757	975, 215	1, 034, 671	1, 112, 673	1, 224, 748	1, 340, 801
Exports [3]—							
Crude	25, 535	27, 393	36, 584	41, 127	51, 430	50, 313	67, 286
Refined [1]	98, 859	75, 882	70, 143	73, 380	77, 557	81, 681	105, 127
Domestic [4]	903, 206	835, 482	868, 488	920, 164	983, 686	1, 092, 754	1, 168, 388

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

Source: Bureau of Mines, Department of the Interior.

No. 769.—PETROLEUM REFINING: REFINERY PRODUCTS

Product	Quantity (thousands of gallons unless otherwise specified)			Value (thousands of dollars)		
	1929	1931	1935	1929	1931	1935
Refinery products, total value				2, 627, 533	1, 520, 420	1, 830, 394
Light products of distillation (except tops)	18, 251, 372	17, 595, 043	18, 766, 014	1, 601, 422	853, 862	1, 039, 378
Gasoline	17, 538, 789	17, 100, 621	18, 505, 867	1, 531, 242	831, 386	1, 023, 578
Naphtha	662, 642	461, 174	216, 906	64, 904	20, 668	13, 223
Benzine	49, 941	33, 247	43, 241	5, 276	1, 808	2, 577
Illuminating oils	2, 338, 929	1, 745, 447	2, 194, 731	164, 836	72, 743	94, 179
Fuel oils	16, 390, 954	14, 209, 692	15, 905, 206	384, 630	271, 568	359, 437
Distillates	1, 024, 364	1, 055, 597	1, 782, 051	39, 338	28, 117	60, 983
Gas oils	2, 882, 959	2, 562, 148	2, 709, 138	96, 094	68, 430	85, 550
Residual fuel oils	12, 483, 631	10, 591, 948	11, 414, 016	249, 198	175, 021	212, 905
Partially refined oils sold for rerunning	1, 466, 861	1, 313, 270	1, 042, 276	49, 143	28, 458	31, 658
Above fuel oil	869, 056	891, 280	737, 007	(1)	(1)	(1)
Fuel oil	567, 533	383, 803	276, 557			
Below fuel oil	30, 273	38, 187	28, 712			
Lubricating oils	1, 553, 711	1, 147, 767	1, 274, 384	304, 673	197, 372	186, 534
Black, cylinder, red, neutral, pale, and paraffin	940, 870	724, 013	777, 072	169, 365	102, 593	104, 986
All other lubricating oils, including compounded (except cylinder) oils	612, 840	423, 754	497, 313	135, 308	94, 779	81, 547
Liquid asphaltic road oils	323, 002	377, 748	406, 968	11, 041	10, 425	13, 346
Greases	52, 017	45, 816	49, 919	16, 646	12, 376	12, 740
Petroleum, mineral jelly, etc.	13, 664	16, 959	18, 327	2, 548	2, 222	2, 608
Lubricating greases, including axle grease	38, 354	28, 858	31, 591	14, 098	10, 153	10, 132
Paraffin wax	84, 639	79, 483	76, 495	22, 328	13, 353	14, 447
Acid oil	34, 767	84, 560	94, 258	663	1, 120	1, 219
Asphalt other than liquid asphalt [2]	3, 115	2, 462	2, 154	34, 506	21, 751	23, 233
Petroleum coke [2]	1, 265	2, 029	1, 444	5, 461	7, 182	5, 765
Other refinery products, value				32, 184	30, 211	48, 459

[1] No data.
[2] Thousands of tons of 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

No. 770.—PETROLEUM PRODUCTS: Oils Run to Stills, Output of Refineries, Stocks, Exports, and Apparent Consumption of Products

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	1934	1935	1936	1937 (prel.)
Crude oil run to stills	326,025	433,915	739,920	927,447	895,636	965,790	1,068,570	1,183,440
Domestic	324,618	372,779	698,582	866,615	860,776	933,659	1,034,637	1,157,444
Foreign	1,407	61,136	41,338	60,832	34,860	32,131	33,933	25,996
Natural gasoline run to stills or blended at refineries	2,451	3,153	[1] 19,636	[1] 43,170	[1] 28,162	[1] 31,025	[1] 33,817	[1] 39,306
Stocks of crude oil, end of year	15,750	21,261	[2] 29,200	[2] 41,136	64,099	59,148	46,846	51,041
Motor fuel:								
Production	86,280	118,022	262,252	440,728	423,801	468,021	516,266	570,979
Exports (gasoline, natural gasoline, and benzol)	13,650	15,678	31,684	65,575	24,686	30,613	28,646	37,974
Stocks, end of year	7,080	11,009	38,918	40,098	[3] 51,747	[3] 54,345	[3] 60,437	[3] 74,650
Apparent consumption	75,672	102,937	226,320	394,800	407,106	434,810	481,606	518,760
Kerosene:								
Production	43,461	55,240	59,689	49,208	53,855	55,813	56,082	65,308
Exports	11,820	20,878	21,212	16,884	9,781	6,651	6,936	8,907
Stocks, end of year	9,050	9,359	7,121	6,883	6,398	7,915	5,633	7,083
Apparent consumption	34,442	33,082	39,969	34,736	44,234	47,645	51,428	54,951
Gas oil and fuel oil:								
Production	174,319	210,987	364,991	372,498	335,353	360,061	413,874	456,867
Exports	29,637	22,080	36,088	36,450	28,605	28,948	34,883	45,328
Stocks, end of year	15,691	19,938	[2] 24,681	[4] 137,790	[4] 110,397	[4] 103,984	[4] 107,049	[4] 117,585
Apparent consumption	----------	----------	----------	----------	340,371	366,723	410,641	441,814
Lubricants:								
Production	20,035	24,938	31,055	34,201	26,373	27,853	30,927	35,321
Exports	6,165	9,643	9,678	9,935	7,660	8,499	8,691	10,921
Stocks, end of year	3,306	3,822	7,253	10,971	7,331	7,025	6,942	7,512
Apparent consumption	13,823	14,742	20,581	21,589	18,484	19,661	22,323	23,374
Wax—production 1,000 lbs	505,144	541,204	590,577	547,680	468,720	450,240	472,920	521,360
Stocks, end of year do	199,658	195,368	116,391	232,592	136,136	114,675	115,434	144,992
Coke—production 1,000 tons [5]	560	577	991	1,940	1,300	1,458	1,378	1,307
Stocks, end of year do	23	32	238	1,069	405	389	389	379
Asphalt—production 1,000 tons [5]	608	1,291	2,677	3,308	2,841	3,115	3,869	4,333
Stocks, end of year do	77	81	159	308	339	405	364	566
Other finished products	----------	----------	8,044	13,179	[6] 52,473	[6] 50,102	[6] 66,592	[6] 71,531
Losses	14,557	18,743	22,914	37,003	[6] 16,073	[6] 11,493	[6] 8,719	[6] 9,103

[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] Total gas oil and fuel oil stocks, including California heavy crude.
[5] Of 2,000 pounds.
[6] Other finished products include still gas formerly reported also with losses.

No. 771.—PETROLEUM PRODUCTS: Crude Oil Run to Stills and Output of Refineries, by Regions

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

Region	Crude oil run to stills		Natural gasoline run to stills or blended		Output of refineries, 1937 [1]				
	1936	1937 [1]	1936	1937 [1]	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	1,068,570	1,183,440	33,817	39,306	558,949	65,308	456,867	35,321	521,360
East coast	185,479	198,080	1,164	1,540	81,096	11,024	84,062	9,360	249,760
Appalachian	38,665	40,286	295	362	19,939	3,220	7,042	6,083	87,360
Indiana, Illinois, Kentucky, etc	147,724	164,243	3,766	4,077	95,409	6,238	41,683	3,457	43,120
Oklahoma, Kansas, and Missouri	114,667	121,238	6,366	5,820	69,576	7,396	33,353	3,659	33,600
Texas	301,239	357,429	8,482	12,546	170,279	23,866	138,804	8,158	56,000
Louisiana and Arkansas	70,315	75,654	887	1,566	29,219	7,714	29,533	1,713	29,400
Rocky Mountain	20,738	23,365	920	826	13,464	796	6,264	305	22,120
California	189,743	203,145	[2] 11,937	[2] 12,569	79,967	5,054	116,126	2,586	--------

[1] Preliminary.
[2] Includes 1,250,000 barrels run through pipe lines in 1936 and 1,374,000 barrels in 1937.

Source of tables 770 and 771: Bureau of Mines, Department of the Interior.

No. 772.—PETROLEUM PIPE LINES: Summary for Companies Reporting to the Interstate Commerce Commission

[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
1928	81,676	659,093	106,688	222,073	96,478	112,221	117,206
1929	85,796	741,010	104,445	251,411	102,101	135,421	142,216
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	763,942	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	79,586	78,249
1936	94,060	773,743	77,239	219,057	92,899	94,491	91,742
1937	96,611	802,946	85,389	248,645	99,641	110,441	102,796

Source: Interstate Commerce Commission.

No. 773.—PETROLEUM: Prices of Crude and Refined Products

Note.—Prices of crude and fuel oil in dollars per barrel of 42 gallons; others in cents per gallon. Compiled by Joseph E. Pogue. Prices are weighted averages covering five important grades of crude oil at wells, five markets for kerosene, five refining locations for fuel oil, lubricating oil at refineries, and gasoline sales in 50 cities (exclusive of all taxes). Gasoline figures for 1936 and earlier years represent service-station prices; those for 1937, tank-wagon prices.

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1937	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1921	1.86	-------	12.9	1.30	--------	January	1.32	10.4	9.3	0.95	17.3
1925	1.96	19.0	12.3	1.46	24.3	February	1.40	10.5	9.3	1.01	18.3
1928	1.54	17.7	12.9	.91	20.7	March	1.41	10.6	9.4	1.00	19.5
1929	1.67	17.7	13.4	.89	26.3	April	1.41	10.7	9.4	1.00	20.0
1930	1.39	16.4	12.1	.78	19.8	May	1.43	10.7	9.4	1.02	20.1
1931	.91	12.9	10.3	.57	14.7	June	1.43	10.6	9.6	1.04	19.9
1932	1.02	13.2	9.4	.62	14.5	July	1.43	10.6	9.7	1.05	18.5
1933	.87	12.8	9.2	.67	14.7	August	1.43	10.7	9.5	1.05	18.0
1934	1.21	13.5	9.5	.84	18.5	September	1.40	10.6	9.5	1.05	17.3
1935	1.17	13.4	8.9	.89	14.4	October	1.38	10.5	9.5	1.06	15.5
1936	1.30	13.9	9.0	.92	16.3	November	1.36	10.3	9.5	1.07	14.5
1937	1.39	[1] 10.5	9.5	1.03	17.7	December	1.33	10.1	9.6	1.06	13.8

[1] Not comparable with figures for earlier years. See headnote.

No. 774.—OIL AND GAS WELLS, BY STATES: 1935 and 1936

State	Producing oil wells				Wells drilled [1]					
	Approximate number, Dec. 31		Average production per well per day (barrels)		Oil		Gas		Dry	
	1935	1936	1935	1936	1935	1936	1935	1936	1935	1936
Total	340,990	349,450	8.1	8.7	15,108	17,800	1,401	2,070	4,911	5,296
Arkansas	2,680	2,670	11.1	10.7	40	24	2	5	73	60
California [2]	12,780	12,230	46.4	46.9	729	790	34	12	347	320
Colorado	200	210	21.9	22.0	11	11	1	1	6	17
Illinois	14,330	14,100	.8	.9	5	27	--------	--------	6	8
Indiana	1,220	1,230	1.7	1.8	37	45	74	59	86	92
Kansas	19,250	19,800	7.9	8.2	890	1,214	39	61	281	446
Kentucky	13,800	13,600	1.0	1.1	167	220	16	10	70	96
Louisiana	3,400	3,800	42.2	61.1	344	663	104	134	249	243
Michigan	1,160	1,360	40.4	25.9	322	338	103	212	168	245
Montana	1,650	1,470	8.3	10.3	131	166	17	34	38	47
New Mexico	840	1,250	75.8	71.2	262	488	4	17	71	47
New York	19,600	19,950	.6	.6	(3)	(3)	(3)	(3)	(3)	(3)
Ohio	32,100	30,950	.3	.3	299	345	245	409	192	246
Oklahoma	54,600	54,800	9.1	10.3	1,321	1,790	110	126	579	649
Pennsylvania	82,050	82,950	.5	.6	[4] 1,956	[4] 2,328	[4] 61	[4] 131	[4] 45	[4] 87
Texas	59,110	66,920	19.3	18.5	8,421	9,120	276	388	2,538	2,516
West Virginia	18,710	18,600	.6	.6	115	142	304	458	114	118
Wyoming	3,380	3,420	11.1	11.7	58	88	6	8	28	35
Other States	130	140	--------	--------	--------	1	5	5	20	24

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

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

No. 775.—ASPHALT: Supply, Distribution, and Sales

	1931	1932	1933	1934	1935	1936	1937
Total supply (1,000 tons of 2,000 pounds)	3,841	3,140	3,090	3,573	4,028	5,098	5,301
Native asphalt and related bitumens:							
Produced	503	340	313	441	347	581	485
Imported (chiefly lake asphalt)	74	20	22	16	54	22	29
Petroleum asphalt (excluding road oil):							
Produced at refineries from—							
Domestic petroleum	1,275	1,116	1,237	1,445	1,802	2,327	2,804
Foreign petroleum	1,701	1,359	1,219	1,396	1,485	1,738	1,556
Imported							63
Stocks, Jan. 1	288	305	299	276	339	430	364
Total distribution (1,000 tons of 2,000 pounds)	3,841	3,140	3,090	3,573	4,028	5,098	5,301
Native asphalt and related bitumens:							
Indicated domestic demand	484	328	299	426	328	567	467
Exports (unmanufactured)	19	12	14	15	19	14	19
Petroleum asphalt (excluding road oil):							
Indicated domestic demand (incl. lake asphalt)	2,745	2,295	2,296	2,569	3,028	3,962	4,049
Exports	288	206	204	224	223	191	209
Stocks, Dec. 31	305	299	276	339	430	364	557
VALUE (1,000 DOLLARS)							
Native asphalt and related bitumens:							
Sales	2,930	1,943	1,705	2,366	2,149	3,261	3,019
Imports (chiefly lake asphalt)	726	251	278	222	545	316	396
Exports (unmanufactured)	531	449	554	581	710	528	719
Petroleum asphalt (excluding road oil):							
Sales	24,861	18,605	23,543	29,895	31,355	41,145	42,994
Exports	4,941	3,168	2,861	3,383	3,371	2,835	3,111

No. 776.—GYPSUM: Supply, Sales, Imports, Exports

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

	1933	1934	1935	1936	1937
Crude gypsum:					
Mined	1,335	1,536	1,904	2,713	3,058
Imported	359	360	450	677	897
Apparent supply	1,695	1,896	2,354	3,390	[1] 3,956
Calcined gypsum produced:					
Short tons	(2)	(2)	1,383	(2)	[3] 2,411
Value	(2)	(2)	(2)	(2)	[3] 11,076
Gypsum products sold: [4]					
Uncalcined:					
Short tons	491	579	595	831	[3] 861
Value	1,089	1,267	1,329	1,866	[3] 1,921
Calcined:					
Short tons	1,060	1,141	1,553	2,210	[3] 2,645
Value	14,555	16,184	22,358	31,089	[3] 36,914
Gypsum and gypsum products:					
Imported for consumption	421	414	512	718	964
Exported	119	133	186	256	271

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

Source of tables 775 and 776: Bureau of Mines, Department of the Interior.

No. 777.—PORTLAND CEMENT: Production, Shipments, and Imports

Note.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories. (See table 778.)

State	1910	1920	1925	1930	1934	1935	1936	1937
	Thousands of barrels of 376 pounds							
Production, total	78,550	100,023	161,659	161,197	77,748	76,742	112,650	116,175
Alabama	[1] 1,481	1,132	6,288	4,821	2,208	2,493	3,912	4,415
California	[2] 6,386	7,098	13,098	10,124	8,722	7,974	13,399	11,954
Illinois	4,459	5,539	7,101	7,935	4,125	3,368	4,807	5,246
Iowa	[3] 2,010	4,849	4,648	7,088	3,181	3,520	4,099	4,706
Kansas	5,656	4,341	6,511	6,012	2,498	2,337	3,560	3,697
Michigan	3,688	4,891	10,936	11,511	4,104	4,579	7,673	8,181
Missouri	4,456	6,018	8,332	7,809	4,034	3,392	4,955	4,756
New York	3,296	5,885	8,770	10,373	4,761	4,285	5,729	5,913
Ohio	1,528	1,780	5,715	8,632	4,046	3,876	5,370	5,700
Pennsylvania	26,676	28,269	42,347	37,844	15,323	15,502	22,871	23,064
Tennessee	(4)	(4)	(4)	3,875	2,481	2,703	3,014	3,081
Texas	[5] 2,287	2,562	4,858	6,782	3,538	3,787	5,840	6,906
Other States	14,627	27,659	43,055	38,393	18,728	18,925	27,420	28,555
Shipments	(6)	96,312	157,295	159,059	75,901	75,233	112,850	113,805
Imports	307	525	3,667	985	266	619	1,659	1,804
Stocks at mills (Dec. 31)	(6)	8,833	18,336	25,899	21,441	23,065	22,569	24,939

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

No. 778.—PORTLAND CEMENT: Shipments by Destinations

[In thousands of barrels of 376 pounds]

State	1934	1935	1936	1937
Shipped from cement plants	75,901	75,233	112,850	113,805
Shipments to States	74,872	74,321	111,967	112,782
New England	3,992	3,485	4,531	4,999
Maine	201	245	373	393
New Hampshire	345	248	320	345
Vermont	241	193	238	295
Massachusetts	1,962	1,606	1,900	2,066
Rhode Island	326	336	494	422
Connecticut	857	857	1,206	1,478
Middle Atlantic	15,256	14,405	21,635	22,182
New York	8,052	7,933	11,325	11,112
New Jersey	2,339	2,324	3,760	3,858
Pennsylvania	4,865	4,148	6,550	7,213
East North Central	16,195	16,150	24,307	24,005
Ohio	3,594	3,436	5,414	5,420
Indiana	2,246	2,343	3,392	3,279
Illinois	5,008	4,936	6,981	6,945
Michigan	2,967	3,325	5,657	5,360
Wisconsin	2,380	2,110	2,863	3,001
West North Central	9,288	9,240	12,978	12,874
Minnesota	1,636	1,741	2,843	2,553
Iowa	2,220	1,919	2,902	3,249
Missouri	2,227	2,123	3,264	3,132
North Dakota	242	261	320	275
South Dakota	399	418	399	526
Nebraska	1,157	1,341	1,212	1,191
Kansas	1,407	1,437	2,039	1,950
South Atlantic	7,673	7,578	11,046	11,146
Delaware	303	177	352	292
Maryland	1,283	996	1,469	1,842
District of Columbia	828	843	1,147	1,066
Virginia	1,258	1,250	1,477	1,668
Shipments to States—Con.				
South Atlantic—Continued.				
West Virginia	1,066	1,090	2,061	1,325
North Carolina	764	832	1,209	1,432
South Carolina	327	365	610	734
Georgia	938	1,167	1,518	1,423
Florida	906	858	1,203	1,365
East South Central	4,382	4,569	5,850	6,827
Kentucky	1,234	1,063	1,625	1,704
Tennessee	1,534	1,778	2,055	2,082
Alabama	942	1,212	1,222	1,224
Mississippi	672	516	948	1,816
West South Central	6,243	6,761	10,077	10,451
Arkansas	699	658	646	743
Louisiana	991	1,018	1,544	1,695
Oklahoma	1,290	1,447	2,416	2,099
Texas	3,263	3,638	5,471	5,914
Mountain	5,046	3,163	5,042	4,749
Montana	326	685	1,488	820
Idaho	216	221	364	471
Wyoming	161	182	249	305
Colorado	546	597	1,134	1,056
New Mexico	305	301	534	825
Arizona	267	311	563	571
Utah	350	329	509	500
Nevada	2,875	537	202	110
Pacific	6,745	8,947	16,235	15,498
Washington	1,117	1,290	3,781	4,107
Oregon	556	882	816	762
California	5,072	6,775	11,639	10,629
Unspecified	55	24	267	51
Exports direct by manufacturers[1]	1,029	912	883	1,022

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

Source of tables 777 and 778: Bureau of Mines, Department of the Interior.

No. 779.—CEMENT PRODUCTION: Quantity, by Kinds, and Total Value

Note.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cement represent shipments

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890	7,777	336	7,441	4,527	1922	115,679	114,790	889	203,324
1895	8,731	990	7,741	5,482	1923	138,732	137,460	1,272	263,122
1900	17,231	8,482	8,749	13,284	1924	150,777	149,358	1,418	272,345
1905	40,102	35,247	4,855	35,932	1925	163,388	161,659	1,729	[1] 281,076
1909	66,690	64,991	1,698	53,611					
					1926	166,635	164,530	2,105	[1] 280,786
1910	77,785	76,550	1,235	68,752	1927	175,330	173,207	2,124	[1] 281,736
1911	79,548	78,529	1,019	66,705	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] 86,245
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	114,469	112,650	1,819	[1] 172,778
1921	99,381	98,842	539	187,708	1937	118,075	116,175	1,901	[1] 171,414

[1] Value of shipments.

Source: Bureau of Mines, Department of the Interior.

No. 780.—STONE: Production (Sales), by Varieties and Uses

Variety and use	Quantity sold, thousands of short tons (2,000 pounds)[1]							Value, 1,000 dollars	
	1931	1932	1933	1934	1935	1936	1937 [2]	1936	1937 [2]
Total	97,933	70,644	70,222	92,064	83,159	131,416	133,143	141,526	146,213
Granite	8,068	5,119	4,422	6,792	6,014	15,442	9,266	22,893	20,193
Basalt and related rocks	12,553	9,329	7,394	11,643	9,672	14,014	13,581	13,337	12,508
Sandstone	4,582	2,973	2,800	3,605	3,010	6,254	5,073	9,717	7,516
Marble	350	343	225	177	132	166	208	5,762	5,456
Limestone	66,751	46,914	45,922	57,502	57,493	87,736	94,577	81,560	90,902
All other	5,629	5,968	9,459	12,345	6,838	7,804	10,438	8,207	9,638
Building stone	1,669	1,296	870	711	830	1,001	1,159	12,586	13,143
Monumental	237	168	166	187	179	236	249	8,193	8,427
Paving blocks	197	72	60	64	78	75	74	735	781
Curbing	171	80	56	79	69	124	98	1,524	1,139
Flagging	50	26	14	23	24	44	50	378	509
Rubble	432	179	142	293	279	327	251	351	334
Riprap	4,223	3,462	3,255	6,053	4,919	11,319	5,389	8,923	5,850
Crushed stone	72,624	51,995	45,491	60,568	54,755	87,271	88,433	82,118	82,825
Furnace flux (limestone and marble)	9,727	3,991	7,985	9,231	12,192	17,725	21,332	11,576	14,704
Refractory stone	611	197	501	677	866	1,324	1,525	1,832	2,259
Manufacturing industries (limestone and marble)	4,501	4,369	5,638	5,373	5,835	6,596	14,583	6,137	16,243
Agricultural limestone and other	3,490	4,808	6,045	8,804	3,131	5,373		7,175	

[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 1937: Building stone (cut stone, slabs, and mill blocks), 7,950,860 cubic feet; monumental stone, 3,018,210 cubic feet; paving blocks, 7,870,944 (number); curbing, 1,219,100 cubic feet; and flagging, 627,010 cubic feet.
[2] Preliminary.

Source: Bureau of Mines, Department of the Interior.

No. 781.—CLAY PRODUCTS: Production

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1933	1935	1929	1933	1935
CLAY PRODUCTS (EXCEPT POTTERY) AND NONCLAY REFRACTORIES							
Total value					294,488	64,841	111,468
Brick:							
Common	Number	5,505,359	1,019,810	1,811,341	58,733	8,816	18,238
Vitrified	do	367,650	63,111	83,252	7,504	1,224	1,895
Face	do	2,139,408	270,323	472,587	36,120	3,807	7,011
Enameled	do	17,137	4,292	(1)	1,259	172	(1)
Drain tile	Ton [2]	859	168	264	6,516	1,127	2,002
Sewer pipe	do	1,675	451	670	21,330	4,911	8,617
Architectural terra cotta	do	134	26	18	13,921	1,831	1,528
Hollow building tile or block	do	4,164	608	913	30,142	2,836	5,469
Tile (not drain):							
Roofing	Squares	371	103	135	3,944	911	1,145
Floor (incl. plain, vitreous, encaustic, quarry, etc.).	Sq. ft	15,887	5,793	7,555	3,773	887	1,084
Ceramic mosaic (vitreous and semivitreous).	do	18,052	4,229	6,416	3,738	699	1,317
Faïence (including art, enameled, and hand-decorated).	do	19,357	8,401	12,625	10,136	2,386	3,862
Wall (thin, white glazed, etc.)	do	30,443	9,930	10,705	11,254	1,552	3,091
Stove lining	Ton [2]	17	6	8	468	224	236
Fire-clay products (shaped):							
Brick, block, etc. [3]	Number	962,129	382,076	494,899	38,284	13,834	20,567
Special shapes	Ton [2]	182	107	156	4,092	2,293	3,265
All other clay products					14,068	5,260	[1] 10,850
Silica brick	Number	294,402	110,889	149,621	15,165	4,655	8,180
Other nonclay refractories					14,041	7,415	13,110
POTTERY							
Total value					112,019	44,024	68,283
Red earthenware (flower pots, etc.).					2,798	1,207	1,795
Stoneware (except chemical) and yellow and Rockingham ware.					4,144	2,222	1,677
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain.					32,067	15,005	22,164
Hotel china					10,476	5,008	7,198
Vitreous china plumbing fixtures.					24,992	7,709	12,969
Porcelain electrical supplies					22,136	7,056	12,751
Sagger					1,308	326	424
All other products					14,098	5,491	9,304

[1] Enameled brick included in "All other clay products." [2] Of 2,000 pounds.
[3] Brick, block, or tile for locomotive and other fire-box lining, etc. (9-inch equivalent); and high alumina brick.

No. 782.—GLASS AND GLASSWARE: Production

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1931	1935	1929	1931	1935
Total value					299,717	211,955	277,627
Plate glass, polished	Sq. ft	148,743	87,017	177,263	50,192	25,765	41,819
Window glass	do	402,559	266,772	428,938	25,962	10,307	18,180
Obscured glass, including cathedral and skylight glass and opalescent sheet glass.	do	34,294	17,796	14,342	5,256	2,389	1,644
Wire glass, rough and polished	do	42,817	15,664	11,961	5,992	1,800	1,369
Tableware, pressed and blown					32,045	24,263	[1] 34,750
Shades, globes, reflectors, etc					9,977	6,590	5,812
Lenses, except optical lenses	Dozen			2,045	2,966	1,362	1,876
Food-product containers [2]	Gross	13,209	13,194	14,686	53,375	50,929	54,147
Beverage containers	do			9,114	18,466	15,642	33,064
Medicinal and toilet preparation containers.	do	15,792	12,765	14,579	41,486	30,280	30,345
Other glass and glass products					54,000	42,628	[1] 54,621

[1] Ovenware, previously included with "Tableware," is included with "Other glass and glass products."
[2] Not including pressed ware (packers' ware) and jelly glasses (home-pack).

Source of tables 781 and 782: Bureau of the Census, Department of Commerce.

No. 783.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
				Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire-clay products
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face					
1915	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1920	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1922	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	16,597	23,600	31,357
1923	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924	7,159	554	2,030	86,692	12,974	39,931	16,446	24,998	24,842	32,400	40,621
1925	7,562	539	2,475	88,551	11,876	45,428	19,139	29,264	27,124	30,421	41,164
1926	7,517	468	2,440	88,227	10,285	44,516	19,667	27,818	34,985	29,303	42,707
1927	7,061	503	2,413	78,408	10,764	41,521	16,628	26,499	32,766	29,426	38,174
1928	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	23,969	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	37,433	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	9,924
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	19,243
1935	1,811	83	473	18,238	1,895	7,011	1,528	5,469	10,500	8,617	23,831
1936	2,967	97	849	30,108	2,177	12,727	2,565	8,913	15,954	12,459	35,104

[1] Vitrified brick or plates, excluding sewer liners.

Sources: Bureau of the Census and Bureau of Mines, Departments of Commerce and the Interior.

No. 784.—SALT: Production, by States and Kinds; Exports and Imports

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

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880	834,548	1,642	509,703	1927	7,568,690	153,832	44,968
1885	985,411	2,108	440,290	1928	8,074,760	145,396	42,856
1890	1,242,779	2,464	257,323	1929	8,543,560	109,222	36,450
1895	1,913,751	3,602	279,576	1930	8,054,440	70,478	54,021
1900	2,921,708	7,511	199,909	1931	7,358,070	98,710	33,216
1905	3,635,257	34,238	161,159	1932	6,407,973	63,581	28,018
1910	4,242,792	49,013	137,103	1933	7,604,972	105,178	30,132
1915	5,352,409	80,474	122,326	1934	7,612,074	105,365	53,124
1920	6,840,029	139,272	137,654	1935	7,926,897	112,213	51,245
1925	7,397,500	155,079	85,788	1936	8,828,936	76,074	51,041
1926	7,371,600	158,908	55,964	1937	9,241,564	70,111	45,996

State or kind	1915	1920	1925	1930	1935	1936	1937
Production, total	5,352,409	6,840,029	7,397,500	8,054,440	7,926,897	8,828,936	9,241,564
By States:							
Michigan	1,762,430	2,262,915	2,172,600	2,558,290	2,128,171	2,354,282	2,476,406
New York	1,570,446	1,903,101	2,053,970	2,009,280	1,927,822	2,021,983	2,084,867
Ohio	823,234	1,057,802	1,173,590	1,311,440	1,487,315	1,633,056	1,733,875
Kansas	527,123	783,655	812,540	759,800	608,204	704,164	654,089
Louisiana	(1)	265,085	500,350	535,250	702,990	918,414	974,403
California	146,784	212,008	292,480	350,370	356,222	368,290	370,911
Texas	62,297	91,103	(1)	(1)	268,809	316,006	364,780
Utah	55,279	75,259	88,150	85,240	57,625	56,480	69,696
West Virginia	32,513	29,802	25,870	28,670	65,968	117,401	128,715
Undistributed	372,303	159,299	277,950	416,100	323,771	338,860	383,822
By kinds:							
Manufactured (evaporated)	2,335,823	2,409,924	2,235,170	2,358,610	2,330,042	2,539,597	2,579,552
In brine	1,851,199	2,819,916	2,819,690	3,718,460	3,837,613	4,279,760	4,631,580
Rock salt	1,165,387	1,610,189	2,342,640	1,977,370	1,759,242	2,009,579	2,030,432
Total value (dollars)	11,747,686	29,894,075	26,162,361	25,009,480	21,837,911	23,306,177	24,131,733

[1] Included in "Undistributed."

Source: Bureau of Mines, Department of the Interior.

No. 785.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1922 TO 1936

Year	Average days active	Men employed		Man shifts	Number killed	Number injured[1]	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured[1]
1922	174	1,092,863	635,299	190,589,710	2,529	46,307	4.0	201.1
1923	222	1,153,894	852,145	255,643,525	3,071	59,570	3.6	203.9
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	234,790,290	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	38,806	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	409,292	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	82,219	3.0	161.9
1936 [2]	219	826,300	603,700	181,110,000	1,680	93,900	2.8	155.5

[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, 16,645; 1936, no data. 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, no data. [2] Preliminary.

Source: Bureau of Mines, Department of the Interior.

No. 786.—ACCIDENTS IN MINERAL INDUSTRIES: By Groups of Industries

Year	Number employed		Killed	Injured	
	Actual number	Equivalent in 300-day workers		Temporary	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
1928	113,866	109,345	273	21,914	569
1929	118,735	115,394	350	22,615	477
1930	103,233	92,990	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	5,793	132
1934	66,645	49,077	116	7,699	193
1935	92,314	67,841	164	9,953	253
1936 [2]	105,800	86,600	215	15,000	(3)
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
1928	89,667	81,325	119	10,207	361
1929	85,561	76,559	126	9,510	300
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	43,694	60	3,807	117
1935	73,005	48,744	51	4,023	129
1936	80,022	62,914	91	5,538	179
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
1928	45,695	52,668	44	4,473	181
1929	47,399	53,587	43	4,368	206
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
Metallurgical plants—Con.					
1933	21,999	19,583	13	1,018	61
1934	26,852	24,472	13	1,243	77
1935	36,493	35,438	28	1,843	119
1936 [2]	29,500	37,300	(3)	2,100	(3)
Coke ovens:					
1916	31,603	34,119	45	5,154	83
1920	28,139	29,921	49	3,336	79
1925	23,254	24,054	28	1,652	44
1928	19,390	21,710	17	979	33
1929	22,459	25,724	22	1,293	36
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
Coal mines:					
1911	728,348	534,122	2,656	(3)	(3)
1915	734,008	511,598	2,269	(3)	(3)
1920	784,621	601,283	2,272	(3)	(3)
1924	779,613	499,896	2,402	(3)	(3)
1925	748,805	480,227	2,234	(3)	(3)
1926	759,033	559,426	2,518	(3)	(3)
1928	682,831	468,680	2,176	(3)	(3)
1929	654,494	481,545	2,187	(3)	(3)
1930	644,006	412,979	2,063	101,093	2,728
1931	589,705	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	346,467	1,226	66,304	1,704
1935	565,202	338,572	1,242	63,701	1,874
1936 [2]	593,000	396,000	1,342	70,600	(3)
1937 [2]	(3)	(3)	1,467	(3)	(3)

[1] Figures include data for mines producing nonmetallic minerals other than coal.
[2] Preliminary. [3] Not available.

Source: Bureau of Mines, Department of the Interior.

31.—MANUFACTURES

[Data in this section relate to continental United States except as noted. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products]

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at $500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in table 789 only), relate only to establishments having products valued at $5,000 or more. However, in 1921, establishments having products valued at $500 or more but less than $5,000, while constituting 21.6 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of products.

The value of products represents the selling value at the factory. Figures of total cost of materials, etc., and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

Data for the "Coffee and spices, roasting and grinding" and "Peanuts, walnuts, and other nuts, processed and shelled" industries, which were canvassed for 1931 and prior years but not for 1933 and 1935, have been excluded from the totals for all years, as given in tables 787, 788, and 791. Data for these industries are included, however, in tables 789 and 790. 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. Data for "Poultry killing and dressing" are included for all years except 1927, for which year this industry was not canvassed. In table 787, data for central-administrative-office employees have been excluded beginning 1923. The figures for 1914, 1919, and 1921, however, include such data.

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 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 1938 issues of the Statistical Abstract. Data for 1933 and also 1931 figures adjusted for comparison with those for 1933 were shown, however, in the 1936 issue.

No. 787.—MANUFACTURES: SUMMARY, 1849 TO 1935

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries:									
1849	123	(1)	957	(2)	(1)	237	555	1,019	464
1859	140	(1)	1,311	(2)	(1)	379	1,032	1,886	854
1869	252	(1)	2,054	[3] 2,346	(1)	620	1,991	3,386	1,395
1879	254	(1)	2,733	[3] 3,411	(1)	948	3,397	5,370	1,973
1889	355	(1)	4,252	[3] 5,939	(1)	1,891	5,162	9,372	4,210
1899	512	(1)	5,306	[3] 10,098	(1)	2,321	7,344	13,006	5,657
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:									
1899	208	364	4,713	(4)	381	2,008	6,576	11,407	4,831
1904	216	520	5,468	[3] 13,488	574	2,610	8,500	14,794	6,294
1909	268	790	6,615	[3] 18,675	939	3,427	12,143	20,672	8,529
1914	273	963	7,024	[3] 22,421	1,274	4,068	14,359	24,217	9,858
Factories, excluding establishments with products valued at less than $5,000:									
1914	176	[5] 956	6,888	[5] 22,264	[5] 1,266	[5] 4,063	14,162	23,837	9,675
1919	214	[5] 1,429	8,990	[5] 29,298	[5] 2,864	[5] 10,453	36,989	61,737	24,748
1921	196	1,141	6,938	(2)	2,551	8,193	25,155	43,427	18,272
1923	196	1,350	8,768	33,057	3,001	10,999	34,481	60,258	25,778
1925	187	1,256	8,384	35,773	2,922	10,730	35,936	62,714	26,778
1927	191	1,296	8,334	38,769	3,216	10,836	34,803	62,278	27,476
1929	210	1,354	8,822	42,869	3,582	11,607	38,178	69,961	31,783
1931	174	(2)	6,507	(2)	(2)	7,173	21,681	41,038	19,358
1933 [6]	142	[7] 803	6,056	(2)	[7] 1,357	5,202	16,821	31,359	14,538
1935	169	1,076	7,379	(2)	2,292	7,545	26,263	45,760	19,496

[1] No comparable data. [2] Data not collected. [3] Includes purchased power other than electric.
[4] Data approximately the same as given for factories and hand and neighborhood industries.
[5] Includes data for all establishments reporting products valued at $500 or more. This item was not tabulated separately for establishments reporting products valued between $500 and $5,000.
[6] For 1933 figures revised for strict comparison with those for 1935, see table 791, p. 752.
[7] Excluding data for salaried officers of corporations. [8] Data collected but not tabulated.

Source: Bureau of the Census, Department of Commerce.

No. 788.—MANUFACTURES: Classified According to Wage Earners

Note.—See general note, p. 749

Number of wage earners	1929				1935			
	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	209,862	8,821,757	100.0	100.0	169,111	7,378,845	100.0	100.0
None	7,395		3.5		6,896		4.1	
1 to 5	95,204	278,391	45.4	3.1	70,243	190,908	41.5	2.6
6 to 20	53,212	592,402	25.3	6.7	46,450	512,743	27.5	6.9
21 to 50	24,893	810,305	11.9	9.2	21,063	680,145	12.5	9.2
51 to 100	12,426	888,802	5.9	10.1	10,500	751,111	6.2	10.2
101 to 500	14,016	2,917,345	6.7	33.1	11,699	2,452,211	6.9	33.2
501 to 2,500	2,510	2,319,258	1.2	26.3	2,082	1,900,993	1.2	25.8
2,501 or more	206	1,015,254	.1	11.5	178	890,734	.1	12.1

No. 789.—MANUFACTURES: Classified by Value of Products [1]

Note.—See general note, p. 749. Data by size of establishments not compiled for 1927 and since 1929

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Percent distribution	Average number	Percent distribution	Amount	Percent distribution
Less than $5,000: [2]						
1921	[3] 53,999		[3] 40,924	0.6	[3] $136,926,075	0.3
1919	60,215		41,252	.5	151,631,298	.2
1914	95,408		127,495	1.8	228,653,956	.9
$5,000 and over:						
1929	210,959	100.0	8,838,743	100.0	70,434,863,443	100.0
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,309	100.0	8,778,156	100.0	60,555,998,200	100.0
1921	196,267	100.0	6,946,570	99.4	43,653,282,833	99.7
1919	214,383	100.0	9,000,059	99.5	62,041,795,316	99.8
1914	177,110	100.0	6,896,190	98.2	23,987,860,617	99.1
$5,000 to $20,000:						
1929	69,423	32.9	202,958	2.3	771,417,436	1.1
1925	55,876	29.8	156,373	1.9	628,373,403	1.0
1923	61,981	31.6	189,738	2.2	697,996,736	1.1
1921	71,075	36.2	224,852	3.2	782,977,433	1.8
1919	79,699	37.2	227,977	2.5	866,086,290	1.4
1914	86,587	48.9	423,829	6.0	893,459,166	3.7
$20,000 to $100,000:						
1929	75,225	35.7	693,155	7.8	3,587,697,276	5.1
1925	68,951	36.8	660,309	7.9	3,272,196,872	5.2
1923	72,370	36.9	718,746	8.2	3,426,433,520	5.7
1921	72,251	36.8	746,024	10.7	3,330,350,409	7.6
1919	75,627	35.3	773,701	8.6	3,487,756,280	5.6
1914	56,557	31.9	995,743	14.2	2,540,949,405	10.5
$100,000 to $500,000:						
1929	44,153	20.9	1,672,983	18.9	10,023,771,653	14.2
1925	42,209	22.5	1,675,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,266	19.6	9,496,592,808	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,447	18.4	1,712,854	18.9	8,929,364,110	14.4
1914 [4]	30,147	17.0	3,000,612	42.7	8,759,391,117	36.2
$500,000 to $1,000,000:						
1929	10,395	4.9	1,121,547	12.7	7,294,860,945	10.4
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	966,559	13.8	5,296,720,583	12.1
1919	9,197	4.2	1,112,815	12.3	6,457,485,019	10.4
1914	(5)		(5)		(5)	
$1,000,000 and over:						
1929	11,763	5.6	5,148,100	58.3	48,757,116,133	69.2
1925	10,583	5.7	4,760,229	56.7	42,366,941,140	67.5
1923	10,327	5.2	5,013,509	57.1	40,182,156,874	66.4
1921	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919	10,413	4.9	5,172,712	57.2	42,301,103,617	68.0
1914	3,819	2.2	2,476,006	35.3	11,794,060,929	48.7

[1] To make the percentages for the number of establishments comparable, those for all 6 years have been based on the number of establishments reporting products valued at $5,000 or more. The percentages for other items, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923, 1925, and 1929.
[2] No data for establishments with products under $5,000 in value have been collected since 1921.
[3] Data for these 53,999 establishments are not included in other tables showing statistics for 1921.
[4] Includes data for the $500,000 to $1,000,000 class. [5] Data included with the $100,000 to $500,000 class.

Source of tables 788 and 789: Bureau of the Census, Department of Commerce.

No. 790.—MANUFACTURES: Prime Movers, Motors, and Generators, Number and Rated Capacity

Note.—See general note, p. 749. No data for prime movers were collected for 1931 and 1933; data for 1935 were collected, but were not compiled.

Year, division, and industry group	Establishments reporting power equipment	Prime movers and electric motors driven by purchased energy: Aggregate horsepower	Steam engines and turbines: Number	Steam engines and turbines: Horsepower	Internal combustion engines: Number	Internal combustion engines: Horsepower	Water wheels and water turbines: Number	Water wheels and water turbines: Horsepower	Electric motors driven by purchased energy: Number	Electric motors driven by purchased energy: Horsepower	Electric motors driven by energy generated in establishments reporting: Number	Electric motors driven by energy generated in establishments reporting: Horsepower	Electric generators: Number	Electric generators: Kilowatts
United States:														
1929	193,969	42,931,061	77,225	17,361,926	11,288	1,233,853	6,523	1,559,618	2,724,843	22,775,664	852,432	12,376,376	17,270	7,793,875
1927	174,118	38,825,681	73,382	16,923,931	12,664	1,170,774	7,594	1,598,666	2,151,675	19,132,310	790,810	11,219,979	19,028	7,345,685
1925	167,649	35,772,628	82,176	16,916,856	14,362	1,186,116	8,393	1,800,828	1,724,180	15,868,828	772,445	10,254,745	23,635	6,887,045
1923	173,475	33,094,228	90,057	16,700,993	15,721	1,224,262	9,293	1,803,310	1,445,003	13,365,663	616,422	8,821,551	(1)	(1)
1929														
New England	16,953	4,686,822	5,828	1,680,519	600	35,738	2,546	742,398	299,089	2,228,167	140,722	1,336,725	2,557	1,010,837
Middle Atlantic	58,812	11,623,682	17,003	4,904,163	2,372	340,381	1,434	248,183	808,620	6,130,955	256,518	3,618,960	4,718	1,955,256
East North Central	42,845	12,602,451	16,694	5,173,593	2,132	409,876	1,008	240,792	812,193	6,778,190	262,181	4,314,421	4,749	2,564,286
West North Central	16,614	2,210,192	5,096	763,032	923	76,394	242	84,658	163,371	1,286,108	37,307	512,188	1,155	387,545
South Atlantic	19,011	4,318,015	12,388	1,744,461	1,827	152,423	884	153,562	255,163	2,267,569	73,840	1,050,273	1,439	778,208
East South Central	9,395	1,999,354	6,962	934,783	1,170	40,090	138	10,096	95,196	1,014,385	26,844	338,983	760	294,894
West South Central	9,919	1,749,555	6,438	860,613	1,227	118,041	17	820	73,906	770,081	16,118	371,123	928	280,322
Mountain	3,974	938,689	1,784	445,035	345	22,400	65	7,386	33,927	463,868	10,308	248,163	339	181,273
Pacific	16,446	2,802,301	5,032	855,727	642	38,510	189	71,723	183,378	1,836,341	28,594	535,540	625	341,254
Food and kindred products	53,457	4,607,913	15,268	1,459,719	3,807	213,859	1,870	102,360	356,621	2,831,975	67,938	642,530	2,854	475,695
Textiles and their products	25,706	4,145,998	3,942	1,572,940	207	18,746	1,560	397,639	486,793	2,156,673	160,246	1,044,623	2,546	973,891
Forest products	24,912	3,674,204	22,057	2,308,514	2,179	64,396	532	48,951	161,803	1,252,343	75,085	900,862	2,038	634,028
Paper and allied products	2,940	3,166,804	3,202	1,316,808	108	19,136	1,725	871,408	68,591	959,452	53,177	1,248,776	1,499	968,021
Printing, publishing, and allied industries	24,072	649,441	417	40,088	207	3,150	5	7	255,791	606,196	8,468	31,002	167	22,615
Chemicals and allied products	6,940	2,312,295	4,619	1,032,488	500	31,369	84	20,289	102,966	1,228,149	53,939	553,039	1,130	451,509
Products of petroleum and coal	1,369	1,755,258	10,104	1,066,904	651	72,954	9	2,300	26,509	613,100	22,031	604,471	463	332,507
Rubber products	509	821,312	370	245,031	10	838	20	3,080	33,266	572,363	11,832	240,921	134	150,569
Leather and its manufactures	4,014	436,342	1,000	188,973	65	5,570	33	6,105	59,127	235,694	15,781	119,994	545	110,021
Stone, clay, and glass products	7,938	2,854,402	2,965	932,769	1,520	97,796	77	25,080	96,430	1,798,757	29,615	812,862	1,019	579,134
Iron, steel, and products, excl. machinery	6,503	9,200,822	6,092	4,778,047	566	610,967	159	19,662	222,667	3,792,146	130,512	4,106,875	1,573	1,761,940
Nonferrous metals and their products	6,522	1,570,217	834	501,330	154	8,645	55	7,194	97,620	1,053,048	23,635	343,572	446	252,357
Machinery, excl. transportation equipment	12,634	3,647,343	2,161	753,381	801	59,674	278	18,855	393,554	2,815,433	101,601	793,463	1,389	480,461
Transportation equipment—air, land, water	2,516	2,271,192	1,353	521,417	220	11,596	19	29,531	196,548	1,708,648	49,949	481,682	440	310,072
Railroad repair shops	1,965	1,153,147	1,892	437,538	102	4,424	5	150	47,460	711,035	19,766	278,247	562	179,664
Miscellaneous	11,972	664,371	949	205,979	191	10,733	92	7,007	119,097	440,652	28,807	173,457	465	111,391

[1] Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

78081°—39——49

No. 791.—MANUFACTURES: Summary By 16 Industrial Groups

Note.—See general note, p. 749

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
All industries	1935	169,111	7,378,845	7,545,338	26,263,494	45,759,763	[1]19,136,434 [2]19,496,269	(3) (3)
	*1933	*140,584*	*5,089,709*	*5,173,657*	*16,773,935*	*31,214,304*	*14,440,369*	(3)
	†1933	141,769	6,055,736	5,261,576	16,820,822	31,358,840	14,538,018	(3)
	1931	174,255	6,506,701	7,173,232	21,680,760	41,038,402	19,357,643	(3)
	1929	209,862	8,821,757	11,607,287	38,177,900	69,960,910	31,783,010	42,869,403
	1927	190,938	8,334,184	10,835,978	34,802,594	62,278,116	27,475,523	38,769,183
	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
1. Food and kindred products.	1935	48,936	797,442	799,881	6,721,920	9,510,675	2,788,754	(3)
	1933	40,285	666,237	620,558	4,210,015	6,604,036	2,394,021	(3)
	1931	47,767	635,359	725,669	5,315,248	7,958,362	2,643,113	(3)
	1929	55,277	737,931	890,866	8,296,258	11,606,368	3,310,110	4,561,020
	1927	48,900	665,279	812,445	7,803,405	10,612,293	2,808,888	4,086,735
	1925	48,171	666,420	795,781	7,789,007	10,479,678	2,690,671	3,893,719
2. Textiles and their products.[4]	1935	22,847	1,687,737	1,371,173	3,250,931	6,060,834	[5]2,563,474	(3)
	1933	19,295	1,476,794	1,018,687	2,531,298	4,810,960	[6]2,116,743	(3)
	1931	23,786	1,422,991	1,240,048	3,021,880	5,855,546	[6]2,818,719	(3)
	1929	27,436	1,710,582	1,735,812	5,001,633	9,248,393	[6]4,131,065	4,145,987
	1927	26,873	1,697,155	1,763,421	4,922,033	8,957,550	[6]4,021,793	4,172,589
	1925	24,510	1,633,630	1,659,797	5,351,465	9,139,100	[6]3,771,912	3,987,357
3. Forest products	1935	16,127	579,012	438,395	776,491	1,662,221	885,730	(3)
	1933	12,295	454,171	289,097	509,182	1,127,405	618,223	(3)
	1931	16,016	509,665	440,176	763,631	1,646,922	883,291	(3)
	1929	20,724	866,599	926,201	1,559,732	3,531,282	1,971,550	3,645,711
	1927	20,004	854,957	919,303	1,611,552	3,404,762	1,793,210	3,308,241
	1925	21,759	911,906	965,883	1,700,607	3,631,461	1,930,854	3,449,673
4. Paper and allied products.	1935	2,945	235,665	235,725	885,720	1,523,186	637,466	(3)
	1933	2,697	196,380	172,842	654,647	1,172,743	518,096	(3)
	1931	2,883	194,581	214,337	758,010	1,357,582	599,572	(3)
	1929	3,126	233,393	287,331	1,092,722	1,892,251	799,529	3,166,804
	1927	2,972	224,437	272,154	1,082,363	1,785,998	703,634	2,813,694
	1925	2,727	221,502	263,097	919,657	1,546,814	627,157	2,574,707
5. Printing, publishing, and allied industries.[7]	1935	22,606	304,842	446,372	498,769	2,104,995	[5]1,552,819	(3)
	1933	19,293	262,993	354,320	375,843	1,726,425	1,350,583	(3)
	1931	24,789	315,306	535,962	578,080	2,487,825	1,909,744	(3)
	1929	27,400	356,204	633,718	761,856	3,155,828	2,393,971	644,021
	1927	25,327	327,018	583,829	750,965	2,847,986	2,097,021	565,095
	1925	23,721	313,662	540,161	690,883	2,585,881	1,894,998	481,949
6. Chemicals and allied products.	1935	7,419	276,434	285,875	1,446,984	2,837,315	1,390,332	(3)
	1933	6,527	237,480	220,771	968,473	2,117,513	1,149,041	(3)
	1931	7,444	230,370	263,271	1,255,459	2,650,635	1,395,176	(3)
	1929	8,224	279,198	351,984	1,935,058	3,702,672	1,767,614	2,297,520
	1927	7,500	252,106	316,027	1,782,569	3,315,228	1,532,659	1,840,049
	1925	7,224	243,152	294,425	1,790,263	3,150,089	1,359,826	1,736,714
7. Products of petroleum and coal.	1935	1,208	116,111	161,517	1,780,799	2,464,274	683,476	(3)
	1933	1,211	110,453	144,649	1,285,561	1,871,494	585,933	(3)
	1931	1,317	120,146	182,368	1,551,734	2,264,817	713,083	(3)
	1929	1,497	147,216	229,050	2,546,840	3,647,748	1,100,908	1,755,258
	1927	1,418	141,655	217,485	2,262,699	3,060,226	797,527	1,513,314
	1925	1,582	136,366	210,034	2,356,583	3,230,009	873,425	1,241,877
8. Rubber products	1935	466	114,681	133,715	368,582	677,659	309,077	(3)
	1933	408	106,283	99,117	211,397	472,744	261,347	(3)
	1931	453	99,259	112,596	252,867	614,265	361,398	(3)
	1929	525	149,148	207,306	578,678	1,117,460	538,783	821,312
	1927	516	141,997	198,074	660,370	1,225,077	564,707	790,622
	1925	530	141,869	191,286	721,730	1,260,805	539,075	659,691
9. Leather and its manufactures.	1935	3,506	310,755	279,740	690,432	1,224,431	533,999	(3)
	1933	3,265	282,000	222,487	544,737	996,773	452,036	(3)
	1931	3,702	272,757	262,130	666,200	1,189,876	523,676	(3)
	1929	4,285	318,472	359,461	1,132,022	1,906,201	774,179	436,424
	1927	4,272	316,081	364,537	1,088,816	1,869,615	780,799	419,843
	1925	4,252	314,128	355,419	1,013,013	1,764,017	751,005	413,331

For footnotes 1 to 13, see p. 753.
*See footnote 10, p. 753.
†See footnote 11, p. 753.

No. 791.—MANUFACTURES: SUMMARY BY 16 INDUSTRIAL GROUPS—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
10. Stone, clay, and glass products.	1935	5,722	233,205	226,140	352,346	946,480	594,134	(3)
	1933	4,528	173,000	142,142	212,155	608,699	396,545	(3)
	1931	6,408	222,856	248,860	316,468	925,318	608,850	(3)
	1929	8,514	328,417	432,817	526,340	1,561,415	1,035,075	2,854,402
	1927	8,673	350,017	464,273	594,774	1,612,549	1,017,774	2,709,131
	1925	8,478	353,036	467,012	603,427	1,640,652	1,037,225	2,348,157
11. Iron and steel and their products, not including machinery.[8]	1935	6,441	775,905	877,926	2,375,387	4,265,327	1,889,940	(3)
	1933	5,685	586,410	527,013	1,455,512	2,580,373	1,124,861	(3)
	1931	6,531	626,331	735,787	1,859,989	3,400,102	1,540,113	(3)
	1929	7,222	920,882	1,431,079	3,950,513	7,342,234	3,391,721	9,299,006
	1927	6,816	865,820	1,301,984	3,613,495	6,348,531	2,735,035	8,396,349
	1925	6,528	882,037	1,322,118	3,813,821	6,621,214	2,807,393	7,586,847
12. Nonferrous metals and their products.[8]	1935	5,411	214,986	232,651	1,089,146	1,668,561	579,415	(3)
	1933	4,367	155,969	140,088	586,444	951,381	364,937	(3)
	1931	5,744	180,477	209,515	808,569	1,326,565	517,996	(3)
	1929	6,940	274,741	393,375	2,377,805	3,392,752	1,014,947	1,472,033
	1927	6,285	241,814	345,013	1,714,333	2,526,171	811,838	1,152,792
	1925	6,541	245,362	344,375	1,368,701	2,678,559	809,857	1,094,019
13. Machinery, not including transportation equipment.[7]	1935	11,778	790,649	913,302	1,521,408	3,816,332	2,294,924	(3)
	1933	9,812	539,706	503,075	791,241	2,076,431	1,285,190	(3)
	1931	11,468	695,297	797,510	1,218,187	3,415,078	2,196,892	(3)
	1929	13,265	1,102,837	1,650,001	2,725,458	7,118,176	4,392,718	3,681,256
	1927	12,253	894,644	1,299,104	2,083,109	5,418,762	3,335,652	3,023,945
	1925	12,079	869,805	1,240,206	2,013,806	5,088,937	3,075,131	2,741,812
14. Transportation equipment, air, land, and water.	1935	1,868	480,889	650,314	2,986,859	4,305,629	1,318,769	(3)
	1933	1,551	307,373	319,316	1,292,290	2,058,195	765,906	(3)
	1931	2,058	373,759	468,609	1,736,928	2,898,626	1,161,698	(3)
	1929	2,550	583,355	943,222	3,683,148	6,047,209	2,364,061	2,271,192
	[9]1927	2,537	494,905	803,298	2,907,949	4,693,972	1,786,022	2,027,686
	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
15. Railroad repair shops.	1935	675	155,310	206,346	187,529	420,097	232,568	(3)
	[10]*1933*	*716*	*175,848*	*196,630*	*144,958*	*361,495*	*216,537*	(3)
	[11]1933	1,901	241,875	284,450	191,845	506,032	314,187	(3)
	1931	2,167	309,034	435,248	298,824	740,763	441,939	(3)
	1929	2,297	398,156	637,311	548,344	1,269,917	721,573	1,153,147
	1927	2,309	428,672	648,908	545,492	1,289,695	744,203	1,110,821
	1925	2,363	457,755	668,192	563,646	1,332,679	769,033	942,248
16. Miscellaneous industries.[4]	1935	11,156	305,222	280,268	[12]1,330,191	2,211,747	881,555	(3)
	1933	8,649	258,612	202,965	[12]1,000,184	1,677,636	677,452	(3)
	1931	11,722	298,513	301,146	[12]1,278,686	2,306,120	1,027,435	(3)
	1929	14,580	414,626	497,754	[13]1,361,493	3,421,004	[12]2,059,511	664,300
	1927	14,283	337,627	526,123	[13]1,378,668	3,309,703	[13]1,931,035	838,277
	1925	14,147	434,053	503,695	[13]1,349,937	3,112,066	[13]1,762,129	731,566

[1] Calculated for all groups except 2 and 5 and for part of the industries in those groups, by subtracting cost of materials, containers, fuel, and purchased electric energy from value of products. Calculated for industries in groups 2 and 5 in which cost of contract work is important, and for industries that are closely related to others in which cost of contract work is important, by subtracting sum of cost of materials, containers, fuel, and purchased electric energy and cost of contract work from value of products. Not strictly comparable with earlier years.

[2] Calculated, for all industries, by first method described in note 1. Figures are strictly comparable with those for years prior to 1935.

[3] Not called for on schedules for 1931 and 1933 and not tabulated for 1935.

[4] Revised; data for "Wool pulling" transferred to group 16 from group 2 and data for "Hats, straw, men's" transferred from group 16 to group 2.

[5] Calculated for part of the industries in this group by the first method and for the remaining industries by the second method described in note 1. Figures for years prior to 1935 for the printing and publishing group were calculated for all industries by the first method described in note 1.

[6] Revised; calculated for part of the industries in this group, by first method, for the remaining industries by the second method described in note 1; revision not carried into total for all groups.

[7] Revised; data for "Engravers' materials" and "Printers' supplies" transferred from group 5 to group 13.

[8] Revised; data for "Stamped and pressed metal products; enameling, japanning, and lacquering" transferred from group 12 to group 11.

[9] The decrease in the 1927 figures was chiefly due to practical ceasing of operations of a large company for a few months of the year.

[10] Revised by deduction of data for shops doing light repair work only; comparable with 1935.

[11] Comparable with statistics for prior years.

[12] Includes internal revenue tax paid by tobacco manufacturers. This amounted to $422,027,000 in 1931, $400,843,000 in 1933, and $477,882,000 in 1935.

[13] The "Cost of materials, etc.," does not include internal revenue tax paid by tobacco manufacturers.

Source: Bureau of the Census, Department of Commerce.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

NOTE.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to its product of chief value, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. Value added by manufacture is calculated, for most industries, by subtracting cost of materials, containers, fuel, and purchased electric energy from value of products. Calculated for industries in which cost of contract work is important, and for industries that are closely related to others in which cost of contract work is important, by subtracting sum of cost of materials, containers, fuel, and purchased electric energy and cost of contract work from value of products. Industry figures calculated by the second method and totals including such figures are indicated by asterisks. No data for horsepower were collected for 1931 and 1933 and no data were compiled for 1935. For totals for all industries and for 16 industrial groups see table 791. Four census years have been shown for all industries that reported $200,000,000 or more in value of products or over 50,000 wage earners in 1929, and three census years for other industries, except as indicated by footnotes. See also general note, p. 749.

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total.	1935	11,812	195,754	206,810	2,988,458	3,627,336	638,878	----------
	1933	10,370	178,791	170,076	1,870,028	2,415,559	545,531	----------
	1931	11,922	171,093	208,922	2,671,813	3,353,725	681,912	----------
	1929	12,761	201,745	262,186	4,263,957	5,148,496	884,539	1,091,228
Butter	1935	3,458	18,434	17,516	423,007	501,216	78,209	----------
	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	----------
	1929	3,527	19,097	24,198	635,874	746,418	110,544	164,413
Cheese	1935	2,573	4,344	3,936	84,110	98,950	14,840	----------
	1933	2,157	3,141	2,910	46,791	57,334	10,542	----------
	1929	2,758	3,401	4,588	92,727	110,645	17,918	24,739
Condensed and evaporated milk.	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	----------
	1929	535	7,065	8,796	163,787	209,110	45,323	85,258
Ice cream	1935	2,447	17,321	19,104	101,168	209,685	108,517	----------
	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	----------
	1929	3,150	22,399	33,803	155,964	328,414	172,450	230,882
Meat packing, wholesale.	1935	1,223	116,620	136,468	2,030,004	2,362,369	332,365	----------
	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	----------
	1929	1,277	122,505	165,867	2,974,128	3,434,654	460,526	524,989
Poultry dressing and packing, wholesale.	1935	562	8,078	5,068	76,641	92,944	16,303	----------
	1933	437	7,471	4,862	51,853	66,157	14,304	----------
	1929	485	7,769	7,285	106,866	130,161	23,296	13,500
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	1935	808	9,164	10,080	103,392	130,095	26,703	----------
	1933	714	7,797	8,259	62,741	86,438	23,698	----------
	1929	681	5,807	8,850	81,372	108,246	26,875	25,755
Canned and cured fish, crabs, shrimps, oysters, and clams.	1935	274	13,335	6,310	39,192	60,588	21,396	----------
	1933	264	9,993	4,473	26,248	40,560	14,311	----------
	1929	348	13,612	8,799	53,240	80,849	27,609	21,692
Vegetable products except beverages, total.	1935	28,727	510,339	479,484	3,355,058	4,887,189	1,532,131	----------
	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	----------
	1929	33,198	474,051	545,557	3,853,812	5,919,863	2,066,052	2,228,566
Canned and dried fruits and vegetables; canned and bottled juices, preserves, jellies, fruit butters, pickles, and sauces.	1935	2,744	116,298	70,612	409,146	649,644	240,498	----------
	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	----------
	1929	2,997	98,866	74,979	462,062	750,342	288,280	224,097
Chocolate and cocoa products, not including confectionery.	1935	44	8,291	7,906	66,407	93,047	26,639	----------
	1933	54	6,460	6,115	41,572	67,754	26,182	----------
	1929	59	6,249	7,778	79,549	119,541	39,991	63,236
Confectionery	1935	1,314	52,109	39,252	153,692	259,889	106,198	----------
	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	----------
	1929	2,021	63,501	56,443	215,192	393,270	178,077	112,644

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD, ETC.—Contd.								
Chewing gum	1935	26	2,315	2,417	14,985	47,766	32,781	----------
	1933	31	[1] 2,252	[1] 2,232	12,599	41,654	29,055	----------
	1929	37	2,265	2,733	23,231	60,160	36,929	10,350
Flavoring extracts, flavoring sirups, and related products.	1935	407	2,902	2,651	29,185	67,875	38,690	----------
	1933	383	2,287	2,184	20,333	54,169	33,836	----------
	1929	642	5,041	7,071	55,518	129,086	73,568	33,838
Flour and other grain-mill products.	1935	2,193	26,495	27,105	716,212	853,219	137,007	----------
	1933	1,932	23,207	22,591	[1] 432,671	[1] 567,003	[1] 134,332	----------
	1931	2,412	22,840	27,298	461,091	598,041	136,950	----------
	1929	4,022	27,028	35,072	868,873	1,060,269	191,397	641,456
Bread and other bakery products.	1935	19,068	218,423	248,532	669,708	1,235,073	565,365	----------
	1933	14,830	182,382	196,672	427,465	919,778	492,313	----------
	1931	17,718	183,161	239,331	505,477	1,190,048	684,571	----------
	1929	20,785	200,841	274,562	737,100	1,526,111	789,011	355,523
Feeds, prepared, for animals and fowls.	1935	942	11,606	11,068	230,588	288,662	58,073	----------
	1933	710	8,791	7,866	122,070	161,343	39,273	----------
	1931	796	8,449	9,402	162,734	209,921	47,187	----------
	1929	750	10,223	12,821	327,920	402,753	74,833	170,482
Macaroni, spaghetti, vermicelli, and noodles.	1935	336	6,005	5,306	31,800	47,599	15,799	----------
	1933	296	5,492	4,265	20,385	35,892	15,507	----------
	1929	353	5,072	5,384	27,336	47,074	19,738	24,448
Oleomargarine (margarine) not made in meat-packing plants.	1935	14	1,176	1,303	23,203	32,402	9,109	----------
	1933	16	841	855	8,312	12,766	4,454	----------
	1929	41	1,534	2,264	30,890	46,522	15,632	6,670
Food preparations, not elsewhere classified.	1935	1,029	14,138	12,126	158,422	222,606	64,184	----------
	1933	802	10,664	8,992	100,609	152,754	52,144	----------
	1929	862	10,616	11,658	96,388	171,861	75,473	36,716
Corn sirup, corn sugar, corn oil, and starch.	1935	36	7,337	8,436	70,263	103,632	33,369	----------
	1933	28	7,591	8,575	47,420	93,361	45,941	----------
	1929	35	6,730	9,873	104,285	165,984	61,699	84,686
Rice cleaning and polishing.	1935	68	2,025	1,312	34,214	44,113	9,899	----------
	1933	50	1,636	1,022	22,697	30,683	7,987	----------
	1929	60	1,589	1,449	38,444	48,794	10,350	22,901
Shortenings (other than lard), vegetable cooking oils, and salad oils.	1935	48	4,845	4,709	177,921	212,689	34,768	----------
	1933	49	3,658	3,217	68,149	85,830	17,681	----------
	1929	40	[1] 2,996	[1] 3,381	139,031	154,553	15,522	36,647
Sugar, beet	1935	77	9,232	9,338	71,142	95,160	24,017	----------
	1933	84	10,706	10,884	76,127	127,133	51,006	----------
	1929	82	7,496	10,021	70,961	108,553	37,592	146,393
Sugar, cane, not including products of refineries.	1935	74	2,944	1,530	18,298	26,281	7,983	----------
	1933	67	2,371	1,228	11,594	18,233	6,639	----------
	1929	70	2,319	1,642	12,223	18,326	6,103	66,779
Sugar refining, cane	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	----------
	1929	21	13,912	17,850	438,399	507,389	68,990	98,637
Malt [2]	1935	54	1,439	2,348	56,412	75,118	18,706	----------
	1933	30	848	1,283	20,662	27,923	7,261	----------
	1929	28	590	1,057	18,924	23,603	4,679	18,098
Vinegar and cider	1935	125	1,037	1,002	4,759	8,518	3,760	----------
	1933	121	844	724	3,943	6,631	2,687	----------
	1929	172	979	1,022	6,016	10,450	4,434	8,674
Cereal preparations	1935	110	7,890	8,526	82,433	146,681	64,248	----------
	1933	103	7,115	7,270	55,015	111,026	56,011	----------
	1929	121	6,488	8,876	101,472	175,223	73,752	66,291
Beverages and ice, total.	1935	8,397	91,349	113,588	378,404	996,150	617,746	----------
	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	----------
	1929	9,318	62,135	83,123	178,489	538,009	359,519	1,241,226
Beverages, nonalcoholic.	1935	3,175	16,778	17,343	62,065	159,298	97,232	----------
	1933	2,903	15,123	14,107	41,873	111,297	69,424	----------
	1931	4,250	23,905	30,082	76,045	212,567	136,522	----------
	1929	5,154	28,281	38,314	103,026	270,324	167,298	149,166

[1] Revised; revision not carried into total.
[2] Figures for 1935 not strictly comparable with those for earlier years because of the inclusion of data for malthouses, first reported separately by breweries for 1935.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD, ETC.—Contd.								
Ice, manufactured	1935	3,850	19,032	20,635	28,021	128,385	100,365	----------
	1933	[3] 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	----------
	1929	4,110	32,184	42,399	39,808	210,952	171,144	1,077,295
Liquors, distilled [4]	1935	131	8,152	8,361	76,487	152,875	76,388	----------
	1933	*31*	*1,661*	*1,471*	*14,560*	*34,293*	*19,734*	----------
	1933	51	2,514	2,476	23,916	60,850	36,935	----------
	1929	30	1,484	2,131	35,046	54,285	19,239	13,577
Liquors, vinous	1935	315	2,335	2,107	15,307	36,432	21,125	----------
	1933	212	1,262	972	9,302	24,084	14,782	----------
	1929	24	186	278	609	448	1,839	1,188
Liquors, rectified and blended [5]	1935	260	5,883	4,527	56,716	99,130	42,414	----------
Liquors, malt [6]	1935	666	39,169	60,615	139,809	420,030	280,221	----------
	1933	525	23,501	33,480	76,194	[1] 229,961	[1] 153,767	----------
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total.	1935	6,384	1,059,511	834,438	1,848,585	3,332,880	*1,451,697	----------
	1933	5,909	963,262	655,692	1,404,610	2,701,411	*1,284,719	----------
	1931	6,439	896,148	751,622	1,519,043	3,007,323	*1,475,646	----------
	[7] 1929	7,374	1,108,356	1,064,134	2,874,125	5,128,855	*2,240,746	3,873,829
Carpets and rugs, total.	[8] 1935	123	30,487	30,443	62,405	127,588	65,183	----------
	1933	87	22,194	18,836	30,869	73,885	43,016	----------
	1929	168	34,619	42,016	88,995	184,118	95,124	68,914
Paper-fiber and grass carpets and rugs. [9]	1935	12	692	572	824	2,092	1,268	----------
	1933	7	221	186	228	609	382	----------
	1929	7	467	440	685	1,692	1,007	1,293
Rag carpets and rugs	1935	40	986	943	1,479	4,028	2,548	----------
	1933	26	677	464	609	1,851	1,242	----------
	1929	94	1,529	1,562	1,659	5,511	3,852	2,416
Wool carpets and rugs (other than rag).	1935	55	27,633	27,710	56,100	115,257	59,157	----------
	1933	54	21,296	18,186	30,032	71,425	41,393	----------
	1929	67	32,623	40,014	86,651	176,915	90,264	65,205
Woolen and worsted carpet yarn.[10]	[11] 1935	16	1,176	1,218	4,002	6,211	2,209	----------
Cordage and twine; jute goods; linen goods, total.	1935	148	18,609	13,949	34,509	68,858	34,349	----------
	1933	142	16,986	11,091	25,314	55,546	30,233	----------
	1929	159	21,615	19,295	71,755	123,062	51,307	119,106
Cordage and twine	1935	112	12,260	9,074	23,710	46,956	23,247	----------
	1933	110	11,145	7,373	18,284	38,714	20,429	----------
	1929	123	14,489	12,834	54,573	91,455	36,882	73,021
Jute goods	1935	24	4,595	3,521	7,360	16,294	8,934	----------
	1933	20	4,248	2,563	4,813	12,463	7,651	----------
	1929	20	4,931	4,276	11,968	21,870	9,902	35,079
Linen goods	1935	12	1,754	1,354	3,439	5,607	2,168	----------
	1933	12	1,593	1,156	2,216	4,370	2,153	----------
	1929	16	2,195	2,185	5,214	9,737	4,522	11,006
Cotton manufactures, total.	[8] 1935	1,223	383,002	247,844	626,521	1,030,768	404,247	----------
	1933	1,242	393,105	226,758	495,399	901,956	406,557	----------
	1931	1,327	343,360	231,736	425,832	850,466	424,634	----------
	1929	1,502	441,100	340,507	935,455	1,595,511	660,057	2,297,809
Cotton narrow fabrics [12]	1935	170	13,466	11,107	22,687	44,593	21,906	----------
	1933	172	13,237	10,059	17,558	38,890	21,331	----------
	1929	202	15,281	15,449	33,636	65,170	31,534	27,308

* See headnote, p. 754.
[1] Revised; revision not carried into total.
[3] Revised; represents individual plants, comparable with figures for other years.
[4] 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.
[5] New classification; no comparable data for earlier years.
[6] This classification was abandoned at the census for 1923 and no statistics collected until 1933.
[7] Includes data for six establishments in former "Flax and hemp, dressed" industry not canvassed since 1929.
[8] Not strictly comparable with earlier years because of changes in classification.
[9] Formerly "Mats and matting, grass and coir." [10] Formerly classified in "Woolen goods."
[11] No comparable data for earlier years. [12] Formerly, "Cotton small wares."

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of meterials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
Cotton woven goods (over 12 in. wide).[13]	1935	670	295,648	192,769	470,254	768,738	298,484	----------
Cotton yarn and thread.[13]	1935	372	73,414	43,570	131,903	214,835	82,931	----------
Cotton woven goods (over 12 in. wide) and cotton yarn and thread.[13]	1933	1,057	379,445	216,384	476,769	861,170	384,401	----------
	1931	1,140	329,962	219,680	404,855	805,792	400,937	----------
	1920	1,281	424,916	324,289	898,029	1,524,177	626,148	2,269,346
Fish nets and seines	1935	11	474	399	1,676	2,602	926	----------
	1933	13	423	315	1,072	1,895	824	----------
	1929	19	903	769	3,789	6,164	2,375	1,155
Dyeing and finishing cotton, rayon, and silk, total.	1935	523	71,380	66,225	102,069	223,662	121,594	----------
Cotton-fabric dyeing and finishing.	[11]1935	245	43,319	38,348	71,259	144,128	72,869	----------
Rayon and silk fabric dyeing and finishing.	[11]1935	146	20,836	21,505	24,160	59,387	35,227	----------
Yarn dyeing and finishing.	[11]1935	132	7,225	6,372	6,650	20,147	13,497	----------
Felt goods, except woven felts.	[11]1935	40	3,576	3,438	13,500	23,697	10,197	----------
Hats, except cloth hats and millinery, total.	1935	302	23,066	24,200	48,613	93,065	44,452	----------
	1933	248	19,216	16,720	32,392	64,633	32,240	----------
	1929	335	24,511	31,381	85,986	154,830	68,844	29,705
Fur-felt hats	1935	152	14,660	16,454	27,544	55,907	28,363	----------
	1933	117	12,540	11,935	19,138	40,600	21,462	----------
	1929	159	16,539	22,503	55,298	102,004	46,706	19,894
Hat and cap materials, men's.	1935	88	2,483	2,206	8,835	13,604	4,769	----------
	1933	76	1,398	1,465	6,199	9,716	3,517	----------
	1929	112	2,564	2,876	17,305	25,031	7,726	5,164
Straw hats, men's	1935	50	2,918	2,644	6,867	12,369	5,502	----------
	1933	46	3,147	2,056	5,217	9,947	4,730	----------
	1929	50	3,380	3,688	8,705	18,739	10,034	1,836
Wool-felt hat bodies, carded.	1935	12	3,005	2,896	5,367	11,185	5,818	----------
	1933	9	1,631	1,264	1,838	4,369	2,531	----------
	1929	14	2,028	2,315	4,678	9,056	4,377	2,811
Knit goods, total	[8]1935	1,852	219,776	184,478	295,034	606,726	*291,153	----------
	1933	1,577	189,698	132,030	237,661	498,350	*248,993	----------
	1931	1,706	178,011	149,589	284,053	585,677	*288,990	----------
	1929	1,888	208,488	210,714	456,701	899,717	*429,032	181,870
Hosiery	[8]1935	695	138,021	121,377	131,870	315,187	*168,625	----------
	1933	614	117,919	82,959	113,689	263,710	*143,354	----------
	1931	621	112,374	95,129	148,835	331,209	*175,158	----------
	1929	730	129,542	140,079	248,657	528,700	*269,834	82,425
Knitted cloth	1935	213	11,370	9,486	42,230	64,030	*20,547	----------
	1933	167	8,956	7,246	32,286	49,892	*16,505	----------
	1929	150	8,491	8,773	51,692	72,925	*20,544	19,029
Knitted outerwear	1935	758	35,455	30,170	67,414	131,455	*59,856	----------
	1933	601	26,908	19,574	47,492	92,547	*41,866	----------
	1929	757	28,968	28,934	75,876	147,249	*68,872	22,411
Knitted underwear	1935	186	34,930	23,445	53,520	96,054	*42,124	----------
	1933	195	35,915	22,251	44,194	92,200	*47,269	----------
	1929	251	41,487	32,928	80,475	150,842	*69,782	58,014
Lace goods	1935	56	7,858	8,686	9,674	27,528	*16,588	----------
	1933	44	5,911	5,582	5,426	16,929	*11,116	----------
	1929	42	6,854	7,670	10,112	29,237	19,125	10,466
Rayon manufactures, total.	[11]1935	447	70,318	54,951	112,850	204,505	91,654	----------
Rayon broad woven goods (18 in. wide and over).	[11]1935	274	58,508	46,593	99,286	174,598	75,312	----------
Rayon narrow fabrics	[11]1935	92	3,399	2,727	4,000	9,845	5,845	----------

*See headnote, p. 754.
[8] Not strictly comparable with earlier years because of changes in classification.
[11] No comparable data for earlier years.
[13] "Cotton woven goods, etc." and "Cotton yarn and thread" combined are comparable with "Cotton woven goods (over 12 inches wide) and cotton yarn and thread" which was formerly "Cotton goods."

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES, ETC.—Con.								
Rayon throwing and spinning—commission only.	[11]1935	45	5,270	3,147	1,111	6,014	4,904	----------
Rayon yarn and thread—processed for sale.	[11]1935	36	3,141	2,485	8,454	14,048	5,594	----------
Silk manufactures, total.	[11]1935	658	55,590	40,528	69,627	149,721	*69,302	----------
Silk broad woven goods (18 in. wide and over).	[11]1935	396	27,104	21,249	43,199	90,286	*37,382	----------
Silk narrow fabrics	[11]1935	91	4,515	4,173	4,340	13,254	*8,519	----------
Silk throwing and spinning—commission only.	[11]1935	132	16,480	9,693	3,250	17,469	*13,907	----------
Silk yarn and thread—made for sale	[11]1935	39	7,491	5,413	18,838	28,712	*9,494	----------
Waste and related products, total.	[11]1935	312	9,245	7,347	42,217	66,022	23,805	----------
Batting, padding, and wadding; upholstery filling.	[11]1935	110	3,248	2,592	15,841	25,631	9,790	----------
Processed waste and recovered wool fiber.[14]	1935	203	5,997	4,755	26,375	40,391	14,016	----------
	1933	168	4,563	2,920	15,178	25,244	10,067	----------
	1929	186	5,667	5,426	35,760	51,359	15,599	34,532
Wool and hair manufactures, total.	[11]1935	699	166,604	152,349	431,567	710,740	279,173	----------
Haircloth	1935	9	593	614	1,919	3,347	1,428	----------
	1933	9	603	481	1,326	2,382	1,056	----------
	1929	13	450	527	2,551	3,855	1,305	1,113
Woolen and worsted dying and finishing.	[11]1935	66	3,369	3,406	6,765	16,065	9,300	----------
Woolen woven goods, incl. woven felts.[15]	1935	323	64,086	60,451	134,507	246,928	112,421	----------
Woolen yarn [15]	1935	43	2,909	2,567	7,172	11,596	4,424	----------
Woolen goods [15]	1933	344	48,536	38,721	79,021	150,197	71,176	----------
	1931	381	42,878	42,999	83,050	157,356	74,305	----------
	1929	460	58,474	66,014	165,882	290,939	125,057	195,247
Wool scouring	1935	20	1,527	1,765	2,106	6,055	3,949	----------
	1933	20	1,395	1,418	1,189	4,404	3,215	----------
	1929	21	1,302	1,771	3,022	6,241	3,220	8,241
Wool combing—commission, and tops for sale.[16]	1935	12	2,648	2,616	3,425	8,045	4,620	----------
Worsted woven goods [16]	1935	158	71,475	65,525	218,548	335,095	116,637	----------
Worsted yarn [16]	1935	68	19,097	15,405	57,215	83,609	26,393	----------
Worsted goods [16]	1933	227	78,691	63,167	180,482	307,683	127,200	----------
	1931	240	76,659	74,584	195,617	338,887	143,270	----------
	1929	264	88,485	98,138	336,649	536,067	199,418	372,536
The cutting-up industries, total.	1935	15,267	606,309	513,592	1,335,633	2,594,962	*1,047,531	----------
	1933	12,426	495,473	346,283	1,080,169	2,006,185	*776,600	----------
	1931	16,044	507,059	464,626	1,450,120	2,725,532	1,275,412	----------
	1929	18,563	575,779	635,886	2,121,156	3,903,864	1,782,708	184,405
Men's cotton work clothing, collars, shirts, etc., total.	1935	1,176	121,889	73,974	182,827	331,794	*128,478	----------
	[11]1933	1,154	110,310	52,977	143,728	258,289	*103,176	----------
Men's clothing, work (incl. work shirts).	1935	621	61,112	35,915	106,057	172,025	*62,762	----------
	[11]1933	558	55,281	26,071	82,469	135,336	*50,462	----------
Men's cotton collars	1935	9	833	616	568	1,448	*845	----------
	1933	11	1,213	793	1,602	3,236	*1,425	----------
	1929	15	2,952	2,263	3,630	8,740	5,110	1,281
Men's shirts and nightwear.	1935	546	59,944	37,443	76,202	158,321	*64,871	----------
	[11]1933	585	53,816	26,113	59,657	119,717	*51,288	----------
Men's furnishing goods, total	1935	807	22,636	17,154	47,920	89,754	41,834	----------
	[11]1933	662	20,729	12,489	37,604	68,318	30,714	----------
Furnishing goods not elsewhere classified.	1935	427	11,185	9,615	30,237	56,528	26,291	----------
	[11]1933	363	16,676	9,521	31,423	55,659	24,236	----------

*See headnote, p. 754.

[11] No comparable data for earlier years. [14] Formerly "Waste, processed" and "Wool shoddy."

[15] Data for "Woolen goods" are approximately comparable with combined figures for "Woolen woven goods, including woven felts" and "Woolen yarns."

[16] Data for "Worsted goods" are comparable with combined figures for "Wool combing," "Worsted woven goods," and "Worsted yarn." Separate data for these three industries are not available for earlier years.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
Underwear	1935	65	7,655	4,021	10,883	18,968	8,086	----------
Hats and caps, except felt and straw.	1935	315	3,796	3,518	6,800	14,257	7,457	----------
	1933	299	4,053	2,968	6,181	12,659	6,478	----------
	1929	576	5,826	7,694	16,908	35,901	18,993	1,796
Men's, youths', and boys' clothing not elsewhere classified, total.	1935	2,981	154,583	144,750	292,498	615,065	*257,746	----------
	1933	2,280	120,175	93,600	214,752	448,340	*185,395	----------
	[17]1931	3,016	122,762	116,324	263,790	554,176	*233,292	----------
	[17]1929	3,769	151,062	181,540	440,654	905,039	*384,391	41,229
Regular factories	1935	1,751	98,301	95,752	288,352	544,819	*192,614	----------
	[11]1933	1,470	85,853	68,730	211,426	410,184	*151,194	----------
Contract factories	1935	1,230	56,282	48,998	4,145	70,245	*65,132	----------
	[11]1933	810	34,322	24,860	3,326	38,156	*34,201	----------
Women's, misses', and children's, apparel not elsewhere classified, total.	1935	8,464	259,042	242,655	622,031	1,269,624	*522,938	----------
	1933	6,363	196,423	157,119	520,105	981,739	*371,797	----------
	1931	8,384	214,479	233,248	807,748	1,508,751	701,003	----------
	1929	9,588	233,370	299,013	1,068,538	1,982,076	913,538	51,515
Blouses, women's, misses', and children's:								
Regular factories	[11]1935	143	4,070	3,572	13,529	26,442	*8,993	----------
Contract factories	[11]1935	81	2,302	1,568	127	2,377	*2,248	----------
Clothing not elsewhere classified, women's, misses', and children's:								
Regular factories	[11]1935	484	12,683	10,448	30,966	57,777	*24,136	----------
Contract factories	[11]1935	77	1,903	1,326	159	2,288	*2,125	----------
Coats, suits, and separate skirts, women's, misses' and children's:								
Regular factories	[11]1935	1,021	19,393	27,384	132,001	231,036	*70,276	----------
Contract factories	[11]1935	682	13,844	15,701	1,449	24,399	*22,891	----------
Corsets and allied garments.	1935	241	15,635	12,036	31,296	66,947	*34,415	----------
	1933	179	14,017	9,388	29,034	58,092	29,058	----------
	1929	213	13,664	12,446	36,035	76,802	40,767	6,048
Dresses:								
Regular factories	[11]1935	1,676	63,202	62,691	245,736	476,560	*158,382	----------
Contract factories	[11]1935	1,738	48,217	42,915	3,001	65,591	*62,290	----------
Infants' wear:								
Regular factories	[11]1935	74	1,874	1,361	3,805	7,652	*3,023	----------
Contract factories	[11]1935	6	194	128	31	252	221	----------
Millinery	1935	1,033	22,770	23,988	39,820	88,989	*48,947	----------
	1933	834	22,574	20,313	34,646	77,347	42,701	----------
	1929	1,293	32,206	42,715	98,090	195,693	97,604	10,176
Outerwear, children's:								
Regular factories	[11]1935	274	9,582	8,849	26,818	52,623	*19,423	----------
Contract factories	[11]1935	159	5,556	3,856	244	7,372	*7,101	----------
Underwear and nightwear, women's, misses', and children's:								
Regular factories	[11]1935	658	31,382	22,737	92,770	153,785	53,183	----------
Contract factories	[11]1935	117	6,435	4,094	189	5,535	5,286	----------
Miscellaneous apparel and allied products, total.	1935	278	15,656	9,660	28,288	52,042	*21,921	----------
	1933	227	15,904	7,817	24,798	43,716	18,918	----------
	1929	321	19,634	14,521	53,538	89,910	36,372	7,291
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics and leather.	1935	115	8,048	4,488	10,294	18,940	*8,608	----------
	1933	91	8,586	3,547	8,743	16,012	7,270	----------
	1929	125	9,279	5,914	19,289	29,883	10,594	3,702
Handkerchiefs	1935	89	4,889	3,216	9,503	18,443	*7,233	----------
	1933	74	4,701	2,442	8,060	14,924	6,864	----------
	1929	105	6,014	4,636	16,343	29,554	13,211	2,409
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1935	74	2,719	1,956	8,491	14,659	*6,080	----------
	1933	62	2,617	1,827	7,996	12,781	4,785	----------
	1929	91	4,341	3,971	17,906	30,473	12,567	1,180

*See headnote, p. 754.

[11] No comparable data for earlier years.

[17] Not strictly comparable with data for 1933 and 1935.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
House furnishings, total.	1935	773	14,671	11,087	55,303	89,078	33,775	----------
	1933	708	14,677	9,787	55,690	84,723	29,032	----------
	1929	964	15,794	16,150	76,625	127,602	50,977	16,866
Curtains, draperies, and bedspreads.	[11]1935	352	6,934	5,185	26,651	42,645	15,995	----------
Housefurnishings, n.e.c., including all sheets and pillow cases.	[11]1935	421	7,737	5,902	28,653	46,433	17,780	----------
Other fabricated textile products, total.	[11]1935	788	17,832	14,312	106,766	147,605	40,839	----------
Awnings, tents, sails, and canvas covers.[18]	[11]1935	421	3,987	3,974	12,528	22,809	10,280	----------
Bags, other than paper.	1935	198	10,920	8,048	87,903	111,566	23,663	----------
	1933	169	10,543	6,977	69,537	92,115	22,578	----------
	1929	202	11,828	9,645	144,275	170,176	25,900	19,159
Fabricated textile products, not elsewhere classified.	[11]1935	52	1,187	941	3,255	5,841	2,586	----------
Flags, banners, regalia, vestments, robes, and related products.	1935	117	1,738	1,349	3,080	7,389	4,310	----------
	1933	98	1,494	1,046	2,011	4,948	2,936	----------
	1929	131	2,695	2,619	4,999	11,763	6,764	1,682
The processing industries, total.	1935	1,196	21,917	23,143	66,712	132,992	*64,246	----------
	1933	960	18,060	16,712	46,519	103,363	*55,423	----------
	1931	1,303	19,784	23,800	52,718	122,692	*67,661	----------
	1929	1,499	26,447	35,791	106,353	215,675	*108,211	87,753
Artificial leather	1935	25	2,254	2,577	13,917	21,218	7,301	----------
	1933	22	1,952	1,955	8,148	13,584	5,436	----------
	1929	17	2,590	3,956	22,268	32,961	10,693	14,650
Oilcloth	1935	8	1,394	1,623	9,267	13,103	3,836	----------
	1933	8	1,251	1,461	6,864	12,653	5,789	----------
	1929	9	1,412	2,144	14,925	23,107	8,183	5,017
Embroideries:[17a]								
Schiffli-machine products.	1935	308	2,360	2,162	3,213	9,618	*5,355	----------
Other products	1935	351	3,351	2,991	1,759	7,792	*5,619	----------
Embroideries, Schiffli-machine and other products.[17a]	1933	547	4,652	3,874	3,266	12,194	*7,933	----------
	1929	813	6,622	7,868	6,609	25,287	*17,567	2,279
Trimmings (not made in textile mills); stamped art goods.	1935	488	6,148	5,687	14,615	28,863	*13,679	----------
	1933	365	5,113	4,075	11,922	23,120	*10,773	----------
	1929	639	7,934	9,762	20,783	45,180	24,397	3,068
Asphalted-felt-base floor covering.	1935	12	2,694	3,480	12,558	28,371	15,814	----------
	1933	13	2,271	2,546	9,564	22,714	13,150	----------
	1929	14	2,345	3,501	14,279	31,889	17,610	11,092
Linoleum	1935	4	3,716	4,624	11,384	24,026	12,642	----------
	1933	5	2,821	2,800	6,756	19,098	12,342	----------
	1929	7	5,544	8,560	27,489	57,250	29,761	51,647
FOREST PRODUCTS								
Basic industries, total.	1935	6,924	283,309	190,125	216,465	573,291	356,826	----------
	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	----------
	1929	14,164	460,482	437,840	432,337	1,314,763	882,426	1,997,963
Excelsior	1935	48	831	532	1,031	2,444	1,413	----------
	1933	50	809	432	863	2,094	1,231	----------
	1929	66	1,241	1,219	2,440	5,009	2,569	10,667
Lumber and timber products n. e. c.	1935	5,981	255,230	183,074	208,113	551,614	343,501	----------
	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	----------
	1929	12,915	419,084	421,585	419,603	1,273,472	853,869	1,985,301
Turpentine and rosin	1935	895	27,248	6,519	7,320	19,233	11,913	----------
	1933	843	26,285	5,501	6,282	16,427	10,145	----------
	1929	1,183	40,157	15,036	10,294	36,282	25,988	1,995

*See headnote, p. 754.

[11] No comparable data for earlier years.

[17a] Data for "Embroideries, Schiffli-machine and other products," reported as two industries beginning 1935.

[18] 1935 canvass was limited to establishments with products valued at $20,000 or more.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOREST PRODUCTS—Continued								
Wood-reworking industries, total.	1935	3,694	73,188	61,914	140,354	270,256	129,902	----------
	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	----------
	1929	6,081	114,640	142,566	337,264	655,345	318,080	787,660
Planing-mill products (including general millwork) made in planing mills not connected with sawmills.	1935	2,753	48,297	42,179	108,710	196,272	87,562	----------
	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	----------
	1929	4,849	90,134	116,423	296,008	553,583	257,575	677,998
Window and door screens and weather strip.	1935	141	1,873	1,744	4,101	8,668	4,567	----------
	1933	123	1,571	1,223	2,911	6,314	3,403	----------
	1929	280	4,034	4,958	10,513	24,452	13,939	14,034
Wood turned and shaped and other wooden goods, n. e. c.	1935	752	21,522	16,080	26,083	59,794	33,711	----------
	1933	580	15,500	10,147	17,746	41,523	23,777	----------
	[17]1929	894	18,712	18,617	28,429	69,620	41,191	88,398
Lasts and related products.	1935	48	1,496	1,911	1,459	5,521	4,062	----------
	1933	47	1,404	1,687	1,308	5,044	3,737	----------
	1929	58	1,760	2,569	2,315	7,690	5,375	7,230
Wooden-container industries, total.	1935	1,344	45,122	29,600	70,034	130,486	60,452	----------
	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	----------
	1929	1,769	54,972	51,078	129,656	235,178	105,522	196,844
Boxes, wooden, except cigar boxes.	1935	661	23,061	15,015	32,104	63,278	31,173	----------
	1933	595	21,753	12,515	29,056	54,995	25,938	----------
	1929	792	30,554	29,194	74,082	135,026	60,944	137,201
Boxes, cigar, wooden and part wooden.	1935	72	3,176	2,000	2,226	6,161	3,935	----------
	1933	77	3,426	1,782	2,209	5,904	3,695	----------
	1929	118	4,374	3,508	5,238	12,459	7,221	5,518
Cooperage	1935	407	9,879	7,982	29,070	46,556	16,586	----------
	1933	361	8,457	6,261	22,913	35,618	12,705	----------
	1929	586	10,691	11,706	41,516	64,842	23,326	33,885
Baskets and rattan and willow ware, not including furniture.	1935	204	9,006	4,603	5,734	14,492	8,757	----------
	1933	184	8,371	3,625	4,900	12,435	7,536	----------
	1929	273	9,353	6,671	8,820	22,851	14,031	20,180
Furniture and related industries, total.	1935	3,221	133,772	116,741	213,144	447,441	234,297	----------
	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	----------
	1929	3,996	199,235	250,447	436,225	976,176	539,951	518,706
Furniture, including store and office fixtures.	1935	3,035	130,781	113,898	207,920	434,444	226,523	----------
	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	----------
	1929	3,778	193,399	242,832	426,454	948,116	521,662	503,970
Billiard and pool tables, bowling alleys, and accessories.	1935	17	314	290	1,056	3,145	2,089	----------
	1933	17	407	228	514	1,123	609	----------
	1929	40	1,390	1,863	3,238	8,821	5,583	6,402
Mirror and picture frames.	1935	169	2,677	2,552	4,168	9,852	5,685	----------
	1933	138	2,403	1,847	2,823	7,107	4,284	----------
	1929	178	4,446	5,752	6,533	19,238	12,705	8,334
Other allied products, total.	1935	944	43,621	40,016	136,494	240,747	104,252	----------
	1933	730	33,545	28,202	83,741	166,393	82,652	----------
	1931	746	33,673	35,065	141,957	236,913	94,957	----------
	1929	714	37,270	44,269	224,250	349,821	125,571	144,538
Caskets, coffins, burial cases, and other morticians' goods.	1935	548	13,779	13,817	29,429	65,653	36,224	----------
	1933	396	12,155	11,837	25,674	58,740	33,066	----------
	1929	414	13,033	16,411	39,350	88,282	48,932	39,609
Cork products	1935	34	3,033	2,776	7,020	13,987	6,966	----------
	1933	30	2,797	2,168	5,277	11,604	6,327	----------
	1929	35	3,842	4,209	12,603	23,023	10,421	14,829

[17] Not strictly comparable with data for 1933 and 1935.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOREST PRODUCTS—Continued								
Matches	1935	24	5,075	4,693	19,039	30,440	11,401	----------
	1933	18	4,726	4,037	11,679	26,373	14,693	----------
	1929	21	3,760	4,118	12,526	20,351	7,825	17,997
Synthetic resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, n. o. c.[19]	1935	153	12,749	12,090	21,241	50,299	29,058	----------
	1933	101	6,840	5,927	10,023	25,731	15,708	----------
Wood preserving	1935	185	8,985	6,639	59,765	80,368	20,603	----------
	1933	185	7,027	4,233	31,087	43,945	12,858	----------
	1929	199	13,077	14,940	147,703	190,945	43,242	57,913
PAPER AND ALLIED PRODUCTS								
Paper and pulp, total.	1935	779	126,971	133,602	525,290	879,002	353,712	----------
	1933	781	107,298	99,194	393,663	695,654	301,991	----------
	1931	[1] 848	107,902	126,886	495,089	851,530	356,442	----------
	1929	883	128,049	173,078	723,361	1,206,114	482,754	2,968,431
Paper	1935	591	103,344	110,200	429,113	711,793	282,680	----------
	1933	600	87,224	81,091	311,767	560,963	249,196	----------
	1931	650	87,683	104,042	384,420	684,971	300,551	----------
	1929	685	103,320	140,398	574,608	967,186	392,578	([20])
Pulp (wood and other fiber).	1935	188	23,627	23,401	96,176	167,208	71,032	----------
	1933	181	20,074	18,103	81,896	134,692	52,796	----------
	1931	[1] 198	20,219	22,844	110,668	166,559	55,891	----------
	1929	198	24,729	32,679	148,753	238,928	90,176	([20])
Converted paper products, total.	1935	2,166	108,694	102,123	360,431	644,185	283,754	----------
	1933	1,916	89,082	73,648	260,984	477,089	216,105	----------
	[1] 1931	2,069	89,186	89,936	271,005	520,921	249,916	----------
	[18a] 1929	2,243	105,344	114,253	369,361	686,137	316,775	198,373
Bags, paper, exclusive of those made in paper mills.	1935	107	9,120	8,038	41,727	65,564	23,836	----------
	1933	96	7,665	5,813	29,296	49,379	20,084	----------
	1929	95	6,970	6,661	43,238	64,621	21,383	13,416
Boxes, paper, not elsewhere classified.	1935	1,214	55,276	50,579	168,531	298,648	130,117	----------
	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	----------
	1929	1,249	55,654	57,110	159,840	294,253	134,414	80,064
Card cutting and designing.	1935	76	2,951	2,845	7,699	17,216	9,517	----------
	1933	64	1,804	1,535	4,029	10,138	6,108	----------
	1929	70	2,338	2,725	9,286	19,648	10,362	3,909
Cardboard, not made in paper mills.	1935	16	628	641	1,947	3,694	1,748	----------
	1933	12	492	452	1,406	2,793	1,388	----------
	1929	13	609	819	2,665	5,629	2,964	1,549
Envelopes	1935	166	9,038	9,087	20,753	43,618	22,866	----------
	1933	163	7,981	6,755	15,918	33,896	17,978	----------
	1929	171	10,367	11,527	29,928	61,287	31,359	13,077
Wall paper	1935	40	4,265	4,486	9,890	19,658	9,768	----------
	1933	39	3,239	3,116	6,851	15,800	8,948	----------
	1929	56	4,705	5,732	13,480	30,008	16,527	12,740
Paper goods, not elsewhere classified.	1935	547	27,416	26,448	109,883	195,786	85,903	----------
	1933	438	20,681	18,364	77,158	142,079	64,921	----------
	1929	436	20,227	23,810	100,369	182,648	82,279	67,145
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing, total.	1935	19,840	245,376	361,662	428,778	1,891,639	*1,354,704	----------
	1933	16,857	213,786	292,472	325,939	1,524,990	*1,102,618	----------
	[1] 1931	21,978	255,480	438,630	513,208	2,212,267	*1,564,397	----------
	1929	24,360	281,119	506,290	660,029	2,760,196	*1,930,268	544,588

*See headnote, p. 754.

[1] Revised; revision not carried into total. [18a] Not strictly comparable with data for subsequent years.

[19] Formerly "Pulp goods and molded composition products"; no comparable data for 1929.

[20] Because of the fact in many cases a paper mill and a pulp mill are supplied with power from the same power plant, it is impossible to give separate figures for each industry.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.								
Printing and publishing, book, music, and job.	1935	10,961	126,692	168,772	194,156	698,820	*464,840	----------
	1933	9,224	104,699	128,982	141,239	519,990	*344,942	----------
	[1] 1931	11,767	135,977	212,931	213,928	804,019	*541,138	----------
	1929	12,836	151,459	252,891	268,291	1,021,897	*688,981	212,404
Printing and publishing, newspaper and periodical.	1935	8,879	118,684	192,890	234,623	1,192,819	*889,865	----------
	1933	7,633	109,087	163,490	184,700	1,004,999	*757,676	----------
	1931	10,211	119,503	225,699	299,280	1,408,248	*1,023,259	----------
	1929	11,524	129,660	253,399	391,738	1,738,299	*1,241,288	332,184
Industries allied to printing and publishing, total.	1935	2,766	59,466	84,710	69,991	273,356	*198,115	----------
	[21] 1933	2,436	49,207	61,849	49,903	201,436	*146,069	----------
	[21] 1931	2,819	60,845	98,538	66,862	280,848	*208,860	----------
	[21] 1929	3,040	75,085	127,427	101,827	395,632	293,805	99,433
Bookbinding and blank-book making.	1935	1,022	20,454	21,796	21,141	73,315	52,175	----------
	1933	803	16,865	16,091	15,686	56,011	40,325	----------
	1929	1,108	24,754	31,779	30,755	102,783	72,029	21,741
Engraving, steel, copper plate, and wood, and plate printing.	1935	388	5,300	6,521	4,591	20,124	15,532	----------
	1933	343	5,033	5,265	3,637	16,223	12,585	----------
	1929	483	10,272	14,813	11,947	47,901	35,954	8,560
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1935	101	2,199	2,449	2,696	7,661	4,965	----------
	1933	77	1,089	1,094	921	3,425	2,505	----------
	1929	189	2,240	3,212	2,583	10,934	8,351	2,965
Photo-engraving, not done in printing establishments.	1935	662	9,408	21,342	7,859	53,342	* 44,555	----------
	1933	600	7,907	14,788	5,602	37,583	*31,064	----------
	1929	654	12,353	31,831	11,003	77,382	66,379	9,349
Lithographing	1935	387	17,688	24,158	29,982	92,047	* 57,742	----------
	1933	346	14,579	18,123	21,449	68,188	*42,193	----------
	1929	376	18,979	32,022	38,992	121,014	82,022	35,471
Stereotyping and electrotyping, not done in printing establishments.	1935	206	4,417	8,444	3,722	26,867	23,145	----------
	1933	207	3,734	6,488	2,609	20,006	17,397	----------
	1929	230	6,487	13,771	6,547	35,617	29,070	21,347
CHEMICALS AND ALLIED PRODUCTS								
Chemicals and allied products, other than animal, vegetable, and compounded oils, total.	1935	6,818	258,922	275,280	1,206,083	2,543,885	1,337,802	----------
	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	----------
	1929	7,545	259,159	334,407	1,543,776	3,232,556	1,688,780	1,965,380
Ammunition and related products.	1935	13	5,599	5,121	10,200	26,308	16,107	----------
	[22] 1933	8	5,305	4,429	9,397	24,402	15,005	----------
	[22] 1929	10	6,586	7,497	17,270	38,740	21,470	----------
Explosives	1935	74	4,570	5,647	17,001	40,667	23,667	----------
	1933	66	4,168	4,135	12,705	35,106	22,401	----------
	1929	95	5,614	8,488	31,764	72,540	40,775	51,612
Fireworks and related products.	1935	52	1,588	1,309	2,626	6,504	3,878	----------
	[22] 1933	46	1,420	1,122	2,046	5,979	3,933	----------
	[22] 1929	61	2,448	2,707	5,036	11,652	6,616	----------
Baking powder, yeast, and other leavening compounds.	1935	46	2,666	4,278	14,403	32,341	17,938	----------
	1933	40	2,690	3,654	13,112	31,975	18,863	----------
	1929	48	3,006	4,847	22,598	52,337	29,738	42,788
Bluing	1935	15	58	55	286	912	626	----------
	1933	16	77	86	323	1,033	710	----------
	1929	20	105	107	469	1,365	896	169
Bone black, carbon black, and lampblack.	1935	55	1,828	1,937	5,334	14,811	9,477	----------
	1933	48	1,449	1,206	4,010	8,507	4,497	----------
	1929	77	1,915	2,583	9,096	20,170	11,074	11,268

*See headnote, p. 754.

[1] Revised; revision not carried into total.

[21] Revised to exclude "Engravers' materials" and "Printers' supplies" included in "Printers' machinery, etc."

[22] Revised; railroad fusees and torpedoes, safety fuses, and miners' squibs transferred from "Ammunition and related products" to "Fireworks and related products;" revised data not available for horsepower.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Blacking, stains, and dressings.	1935	167	1,498	1,467	8,387	17,932	9,544	----------
	1933	154	1,625	1,504	6,909	19,056	12,146	----------
	1929	170	1,617	1,959	8,345	24,682	16,337	3,317
Candles	1935	23	713	599	2,400	4,734	2,334	----------
	1933	19	673	561	1,844	4,128	2,284	----------
	1929	20	781	923	3,251	6,686	3,436	1,971
Chemicals not elsewhere classified.	1935	570	65,838	80,480	329,350	668,697	339,347	----------
	1933	541	53,190	59,229	221,453	476,503	255,049	----------
	1931	558	48,522	66,360	246,068	533,175	287,107	----------
	1929	551	62,199	94,680	363,577	738,048	374,472	854,358
Cleaning and polishing preparations.	1935	395	2,824	3,033	17,283	42,407	25,124	----------
	1933	327	2,755	2,722	14,753	41,048	26,296	----------
	1929	429	2,713	3,356	19,399	50,780	31,381	10,609
Drug grinding	1935	21	590	601	3,379	5,916	2,537	----------
	1933	22	630	614	3,448	6,399	2,951	----------
	1929	26	677	841	5,675	9,669	3,994	5,277
Drugs and medicines [23]	1935	1,056	22,128	21,979	83,445	291,733	208,289	----------
	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	----------
	1929	1,366	23,841	27,124	112,510	376,960	264,450	----------
Insecticides and fungicides and industrial and household chemicals not elsewhere classified.[23]	1935	546	3,466	3,401	24,344	53,429	29,086	----------
	1933	380	1,977	1,856	11,211	27,908	16,698	----------
	1931	498	2,650	3,015	20,640	54,756	34,117	----------
	1929	585	9,662	8,586	44,532	119,529	74,997	----------
Perfumes, cosmetics, and other toilet preparations.	1935	558	9,662	8,586	44,532	119,529	74,997	----------
	1933	490	8,978	7,470	33,175	97,049	63,874	----------
	[17]1929	815	13,109	13,763	58,299	193,441	135,142	12,150
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1935	154	2,651	2,636	19,704	33,639	13,935	----------
	1933	124	2,141	2,212	13,518	23,322	9,804	----------
	1929	126	2,419	3,114	25,336	39,836	14,500	22,575
Fertilizers	1935	670	17,473	10,967	93,365	140,386	47,021	----------
	1933	522	13,063	7,274	69,053	94,939	25,886	----------
	1931	599	14,551	12,146	106,481	154,350	47,869	----------
	1929	638	20,926	17,884	159,801	232,511	72,710	166,984
Compressed and liquefied gases.	1935	330	3,788	4,408	11,239	42,019	30,780	----------
	1933	326	2,763	3,154	8,586	32,007	23,421	----------
	1929	354	3,390	5,378	14,529	52,190	37,661	85,293
Glue and gelatin	1935	74	3,253	3,534	15,076	28,161	13,085	----------
	1933	63	2,013	2,033	8,328	17,163	8,834	----------
	1929	74	2,993	4,236	18,978	32,458	13,480	23,584
Mucilage, paste, and other adhesives, except glue and rubber cement.	1935	66	267	289	1,646	3,633	1,986	----------
	1933	55	213	237	1,295	2,478	1,184	----------
	1929	84	414	547	3,669	6,638	2,970	2,564
Grease and tallow, not including lubricating greases.	1935	260	4,784	5,419	27,305	45,207	17,902	----------
	1933	201	3,988	4,099	14,141	26,238	12,097	----------
	1929	297	5,475	7,862	40,142	61,608	21,466	41,686
Ink, printing	1935	191	2,370	3,234	18,594	34,535	15,941	----------
	1933	160	2,094	2,663	12,604	26,166	13,563	----------
	1929	147	2,448	3,957	19,205	42,750	23,545	20,300
Ink, writing	1935	22	377	380	1,415	3,382	1,967	----------
	1933	22	355	321	1,226	2,522	1,296	----------
	1929	29	416	480	1,993	4,595	2,602	847
Paints and varnishes	1935	1,082	27,686	32,187	231,983	417,000	185,017	----------
	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	----------
	1929	1,063	29,211	42,245	334,132	568,976	234,844	180,315

[17] Not strictly comparable with data for 1933 and 1935.

[23] "Drugs and medicines" and "Insecticides and fungicides," etc., cover establishments formerly classified as "Druggists' preparations" and "Patent or proprietary medicines and compounds." A reclassification according to commodities was made for the new designations. Figures for 1929, 1931, and 1933, except horsepower, were revised for comparison with 1935. Revised 1929 data are not available for horsepower.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Rayon and allied products.	1935	32	50,550	50,693	64,506	185,160	120,654	----------
	1933	34	44,306	38,613	44,031	156,932	112,900	----------
	1929	29	39,106	44,697	33,335	149,546	116,211	195,844
Salt	1935	48	4,976	4,884	10,933	29,720	18,787	----------
	1933	50	5,036	4,814	9,154	29,011	19,857	----------
	1929	58	5,458	6,735	14,188	37,869	23,681	57,711
Soap	1935	238	13,911	15,339	139,423	239,152	99,729	----------
	1933	235	14,304	14,140	93,507	200,128	106,621	----------
	1931	248	14,163	17,740	121,829	257,719	135,889	----------
	1929	282	14,363	18,995	180,353	310,192	129,839	65,856
Wood distillation and charcoal manufacture.	1935	60	3,808	2,816	7,923	15,971	8,047	----------
	1933	54	2,731	1,782	5,073	11,036	5,963	----------
	1929	91	4,648	5,293	14,791	29,594	14,803	25,509
Animal, vegetable, and compounded oils, total.	1935	601	17,512	10,595	240,901	293,431	52,530	----------
	1933	567	16,973	8,252	129,951	170,022	40,072	----------
	1931	609	15,194	12,207	220,147	273,657	53,509	----------
	1929	679	20,039	17,577	391,282	470,116	78,834	332,150
Oil, cake, and meal, cottonseed.	1935	458	13,226	5,912	160,540	187,887	27,347	----------
	1933	475	14,242	5,376	78,229	104,212	25,982	----------
	1931	504	12,268	8,335	147,165	181,347	34,182	----------
	1929	553	15,825	11,203	249,020	298,376	49,356	284,395
Oils, essential	1935	12	166	219	2,602	3,542	940	----------
	1933	12	175	222	2,243	3,094	851	----------
	1929	22	265	326	3,804	6,653	2,849	1,894
Oil, cake, and meal, linseed.	1935	25	2,350	2,650	48,809	60,264	11,455	----------
	1933	22	1,625	1,684	33,853	40,463	6,610	----------
	1929	29	2,715	4,098	101,563	119,927	18,364	31,191
Oils not elsewhere classified.	1935	106	1,770	1,814	28,950	41,737	12,787	----------
	1933	58	931	970	15,625	22,254	6,629	----------
	1929	75	1,234	1,950	36,896	45,160	8,264	14,670
PRODUCTS OF PETROLEUM AND COAL								
Coke-oven products	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	----------
	1929	153	20,552	33,389	281,592	416,348	134,756	393,211
Fuel briquettes	1935	25	341	386	3,394	4,913	1,519	----------
	1933	24	296	262	1,836	2,944	1,058	----------
	1929	23	426	584	5,919	9,498	3,579	14,893
Gas, manufactured, illuminating and heating.[24]	1935	520	19,741	27,663	97,864	345,967	248,103	----------
	1933	543	26,250	36,980	[1] 95,895	[1] 368,428	[1] 272,533	----------
	1931	638	34,523	49,442	152,580	467,751	315,172	----------
	1929	754	43,065	[1] 61,322	188,416	512,653	324,236	544,024
Lubricating greases, not made in petroleum refineries.	1935	180	1,933	2,282	20,759	36,069	15,310	----------
	1933	158	1,794	2,087	16,774	28,702	11,928	----------
	1929	177	2,577	3,739	39,571	69,584	30,013	13,281
Petroleum refining	1935	395	77,402	109,611	1,478,225	1,838,622	360,397	----------
	1933	389	69,047	89,793	1,064,437	1,378,637	314,200	----------
	1931	376	68,824	107,474	1,210,517	1,524,285	313,768	----------
	1929	390	80,596	131,177	2,031,341	2,639,665	608,324	789,849
RUBBER PRODUCTS								
Boots and shoes, rubber.	1935	12	17,246	16,113	20,730	53,162	32,432	----------
	1933	13	18,102	14,440	14,124	42,019	27,895	----------
	1929	22	25,659	29,945	34,396	102,538	68,141	62,603

[1] Revised; revision not carried into total.

[24] Figures for 1929 and 1931 (except for number of establishments) include data for purchase and resale of gas within the industry and, therefore, are not strictly comparable with those for 1933 and 1935 which do not include such data.

No. 792.— MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
RUBBER PRODUCTS—Continued								
Rubber tires and inner tubes.	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	----------
	1929	91	83,263	127,082	429,607	770,177	340,570	463,257
Rubber goods, other than tires, inner tubes, and boots and shoes.	1935	412	40,307	39,348	82,336	178,405	96,069	----------
	1933	351	35,205	29,939	57,881	131,411	73,531	----------
	1931	390	34,218	35,738	66,965	160,077	93,112	----------
	1929	412	40,226	50,279	114,674	244,746	130,071	295,452
LEATHER AND ITS MANUFACTURES								
Leather: Tanned, curried, and finished.	1935	384	50,877	55,683	107,970	308,345	110,375	----------
	1933	374	44,101	43,076	138,177	237,202	99,025	----------
	1931	418	42,047	49,542	172,786	271,138	98,352	----------
	1929	471	49,932	63,414	337,598	481,340	143,742	229,660
Finished products of leather, total.	1935	3,122	259,878	224,056	492,462	916,086	423,624	----------
	1933	2,891	237,811	179,411	406,560	759,571	353,010	----------
	1931	3,284	230,710	212,588	493,415	918,738	425,324	----------
	1929	3,814	268,540	296,047	794,424	1,424,861	630,436	206,764
Belting and packing, leather.	1935	187	2,362	2,520	11,551	21,522	9,971	----------
	1933	152	1,684	1,733	7,018	14,880	7,862	----------
	1929	207	2,602	3,550	20,680	35,632	14,952	6,826
Boots and shoes, other than rubber.	1935	1,024	202,113	172,349	333,224	643,872	310,649	----------
	1933	1,132	190,914	142,054	286,303	553,425	267,122	----------
	1931	1,156	181,374	163,271	337,627	653,880	316,252	----------
	1929	1,341	205,640	222,408	515,055	965,923	450,867	140,329
Boot and shoe cut stock and findings.	1935	498	18,275	16,781	76,092	111,579	35,487	----------
	1933	487	16,798	13,918	61,864	93,293	31,429	----------
	1929	592	19,875	21,378	130,510	192,073	52,563	36,087
Gloves and mittens, leather.	1935	224	9,810	8,500	13,424	28,131	14,707	----------
	1933	194	8,129	6,434	11,377	23,470	12,093	----------
	1929	257	9,203	9,204	20,206	39,123	18,917	3,498
Pocketbooks, purses, and cardcases.	1935	324	11,406	9,232	22,256	42,992	20,736	----------
	1933	218	8,107	5,954	15,349	28,345	12,996	----------
	1929	290	10,430	15,229	35,352	68,628	33,276	1,828
Saddlery, harness, and whips.	1935	157	3,234	2,919	7,735	13,357	5,622	----------
	1933	147	2,515	2,054	6,146	10,364	4,218	----------
	1929	268	3,396	3,761	13,914	23,563	9,648	4,780
Trunks, suitcases, and bags.	1935	307	6,654	6,336	14,914	28,248	13,334	----------
	1933	270	5,117	3,749	9,328	17,368	8,040	----------
	1929	467	11,359	13,757	31,694	63,969	32,275	10,220
Leather goods not elsewhere classified.	1935	401	6,024	5,421	13,266	26,385	13,119	----------
	1933	291	4,547	3,516	9,176	18,425	9,250	----------
	1929	392	6,035	6,760	18,013	35,951	17,938	3,196
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a material, total.	1935	3,352	76,441	76,207	146,286	388,016	241,729	----------
	1933	2,516	58,226	51,875	91,736	261,044	169,308	----------
	1931	3,762	84,787	107,105	165,666	463,441	297,774	----------
	1929	5,146	116,411	171,790	268,246	751,210	482,965	1,856,952
Concrete products.	1935	1,224	8,399	7,834	20,110	44,967	24,857	----------
	1933	766	4,422	3,592	9,289	20,538	11,249	----------
	1929	2,438	16,505	22,688	34,035	92,901	58,866	67,651
Marble, granite, slate, and other stone cut and shaped.	1935	1,404	15,224	16,192	18,253	56,478	38,225	----------
	1933	1,129	16,541	16,760	17,777	55,041	37,264	----------
	1929	1,881	37,817	63,041	57,638	192,164	134,526	305,915
Lime.	1935	189	7,497	6,052	8,926	23,322	14,396	----------
	1933	167	5,972	4,079	6,543	16,200	9,657	----------
	1929	237	8,554	9,476	13,908	35,816	21,908	90,276
Cement.	1935	153	20,698	20,904	42,938	120,417	77,479	----------
	1933	148	15,829	13,870	26,932	86,921	59,989	----------
	1931	164	24,317	29,884	56,098	148,845	92,747	----------
	1929	174	33,368	48,849	95,242	267,509	172,267	1,183,989

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
STONE, ETC.—Contd.								
Gypsum products [25]	1935	72	3,382	3,444	8,911	26,288	17,378	----------
Wall board and plaster (except gypsum) building insulation, and floor composition.[25]	1935	124	4,616	3,938	8,982	23,859	14,877	----------
Wall board, insulating board, gypsum, and other plasters, and floor composition.[25]	1933	172	4,694	3,679	9,439	27,610	18,172	----------
	1929	244	8,251	11,095	29,307	73,040	43,733	----------
Abrasive wheels, stones, paper, and cloth, and related products.[26]	1935	94	6,776	8,351	20,732	53,867	33,135	----------
	1933	77	4,890	4,981	11,340	30,159	18,810	----------
Asbestos products, other than steam packing or pipe and boiler covering.	1935	72	9,622	9,293	17,166	38,163	20,997	----------
	1933	58	6,084	5,075	10,789	25,255	14,466	----------
	1929	67	8,092	10,777	25,408	56,164	30,756	40,458
Sand-lime brick	1935	20	227	199	270	654	385	----------
	1933	10	84	61	74	205	131	----------
	1929	40	566	776	945	2,971	2,026	7,346
Industries using clay and other earths as materials, total.	1935	1,625	78,939	67,593	66,888	205,801	138,913	----------
	1933	1,374	58,456	39,486	38,424	122,831	84,406	----------
	1931	1,807	80,069	75,223	59,977	209,286	149,309	----------
	1929	2,370	133,668	158,476	122,823	441,270	318,447	641,300
Clay products (other than pottery) and nonclay refractories.	1935	1,074	44,583	34,603	37,976	111,197	73,221	----------
	1933	928	31,944	18,967	19,994	64,603	44,609	----------
	1931	1,264	51,128	44,368	36,969	127,336	90,367	----------
	1929	1,760	93,657	107,348	82,734	297,879	215,145	535,567
Pottery, including porcelain ware.	1935	257	28,845	28,088	17,973	66,778	48,805	----------
	1933	231	23,632	17,891	12,179	43,718	31,539	----------
	1929	313	35,409	43,656	27,007	110,622	83,615	61,868
China firing and decorating, not done in potteries.	1935	19	278	224	645	1,267	622	----------
	1933	14	152	127	378	762	384	----------
	1929	27	317	420	640	1,554	914	53
Graphite, ground and refined.	1935	9	256	261	942	2,122	1,180	----------
	1933	10	168	146	763	1,490	727	----------
	1929	11	494	627	1,458	3,760	2,302	3,156
Minerals and earths, ground or otherwise treated.	1935	161	4,258	3,614	8,686	21,545	12,859	----------
	1933	107	1,874	1,565	4,389	9,684	5,295	----------
	1929	88	1,679	2,188	8,938	17,409	8,471	39,117
Statuary and art goods (except concrete), factory production.	1935	105	719	803	666	2,892	2,226	----------
	1933	84	686	789	721	2,574	1,853	----------
	1929	171	2,112	4,236	2,045	10,045	8,000	1,539
Glass and manufactures of glass, total.	1935	745	77,825	82,339	139,171	352,664	213,492	----------
	1933	638	56,317	50,781	81,995	224,825	142,830	----------
	1931	839	57,100	66,531	90,824	252,592	161,767	----------
	1929	998	78,338	102,552	135,272	368,934	233,663	356,150
Glass	1935	213	67,138	71,443	110,008	283,925	173,917	----------
	1933	213	49,797	45,222	63,410	191,948	128,538	----------
	1931	229	49,917	57,882	73,575	216,265	142,690	----------
	1929	263	67,527	87,795	103,294	303,819	200,525	341,979
Mirrors and other glass products made of purchased glass.	1935	532	10,687	10,896	29,163	68,738	39,576	----------
	1933	425	6,520	3,559	18,585	32,877	14,292	----------
	1929	735	10,811	14,757	31,978	65,116	33,138	14,171
IRON AND STEEL AND THEIR PRODUCTS, EXCLUDING MACHINERY.								
Crude iron and steel and rolled products, total.	1935	468	374,808	458,584	1,411,110	2,305,970	894,850	----------
	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	----------
	1929	591	419,534	780,974	2,514,377	4,137,214	1,622,837	7,532,530

[25] "Gypsum products" and "Wall board and plaster (except gypsum), etc." were formerly treated as a single industry, "Wall Board, insulating board, gypsum and other plasters, and floor composition." The 1929 and 1933 figures for the latter have been revised to include data for mineral wool formerly assigned to "Steam and other packing", etc., but this revision has not been carried into total for subgroup. Revised 1929 data are not available for horsepower.

[26] No comparable data for 1929.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Blast-furnace products	1935	72	15,178	18,916	300,648	374,651	74,004	----------
	1933	72	12,098	11,564	183,957	213,685	29,729	----------
	1931	80	13,572	19,259	259,132	311,371	52,240	----------
	1929	105	24,960	41,959	610,294	771,425	161,132	([27])
Steel works and rolling-mill products (including all departments such as bolt and nut, wire, tin plate, etc.	1935	396	359,630	439,669	1,110,463	1,931,318	820,856	----------
	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	----------
	1929	486	394,574	689,016	1,904,083	3,365,789	1,461,706	[28] 7,532,530
Other iron and steel products, total.	1935	5,973	401,097	419,342	964,277	1,959,358	995,081	----------
	[29] 1933	5,219	297,468	256,646	579,467	1,222,799	643,332	----------
	[29] 1931	6,005	348,125	378,142	768,973	1,685,888	916,915	----------
	[29] 1929	6,631	501,348	700,104	1,436,136	3,205,020	1,768,884	1,766,476
Bolts, nuts, washers, and rivets, not made in rolling mills.[30]	1935	137	12,506	13,375	29,031	57,420	28,389	----------
	1933	103	8,486	7,155	15,350	32,874	17,523	----------
	1929	117	16,175	22,116	44,212	102,392	58,180	66,343
Cast-iron pipe and fittings.	1935	71	13,543	10,370	14,797	37,870	23,073	----------
	1933	71	9,454	5,847	8,992	20,916	11,924	----------
	1929	72	19,741	22,552	34,289	80,261	45,971	69,757
Doors, shutters, and window sash and frames, molding, and trim, metal.	1935	134	4,533	5,093	9,962	22,740	12,778	----------
	1933	125	3,572	3,123	5,953	13,377	7,423	----------
	1929	148	9,557	17,065	30,178	72,160	41,982	25,027
Forgings, iron and steel.[30]	1935	185	12,253	15,107	34,727	66,351	31,624	----------
	1933	181	7,953	7,354	16,896	32,523	15,627	----------
	1929	218	20,882	34,505	71,607	156,249	84,642	147,401
Nails, spikes, etc.[30]	1935	43	2,178	2,320	4,328	9,656	5,328	----------
	1933	39	1,695	1,590	2,704	6,973	4,269	----------
	1929	55	2,027	2,553	5,956	12,855	6,899	9,006
Springs, steel, except wire.[26] [30]	1935	49	3,146	3,566	11,047	18,233	7,186	----------
	1933	60	2,112	1,972	5,543	10,413	4,869	----------
Steel barrels, kegs, and drums.	1935	64	5,761	5,839	21,030	34,650	13,620	----------
	1933	58	6,517	6,026	18,035	30,399	12,364	----------
	1929	53	4,110	5,769	21,947	37,825	15,878	15,280
Structural and ornamental metal work.[30]	1935	1,111	27,243	28,225	92,573	160,762	68,190	----------
	1933	962	21,377	18,624	63,169	107,612	44,443	----------
	1931	1,302	37,510	47,875	131,649	238,033	106,384	----------
	1929	1,482	54,947	87,786	244,696	477,037	232,341	266,175
Wrought pipe, welded and heavy riveted.[30]	1935	48	10,720	11,793	42,001	73,849	31,848	----------
	1933	44	6,552	5,580	20,821	34,957	14,135	----------
	1929	50	11,417	18,762	70,121	124,659	54,538	68,030
Firearms	1935	22	4,855	5,499	3,388	13,027	9,639	----------
	1933	22	3,382	3,164	2,169	9,214	7,045	----------
	1929	21	6,838	9,210	4,117	21,970	17,853	15,427
Galvanizing and other coating.[30]	1935	65	1,201	1,269	2,002	5,194	3,193	----------
	1933	54	761	661	1,164	2,691	1,527	----------
	1929	65	1,125	1,564	3,939	7,667	3,727	2,206
Hardware not elsewhere classified.	1935	405	41,473	42,386	57,417	147,677	90,260	----------
	1933	381	32,550	26,937	30,040	85,077	55,037	----------
	1931	451	36,118	37,269	38,318	115,900	77,582	----------
	1929	485	52,306	67,702	76,480	229,478	152,997	112,705
Plumbers' supplies not including pipe or vitreous-china sanitary ware.	1935	252	20,136	21,335	31,851	75,631	43,780	----------
	1933	232	15,893	12,922	17,561	46,886	29,325	----------
	1929	255	27,960	37,067	49,033	129,674	80,641	100,821

[26] No comparable data for 1929.
[27] Included with "Steel works and rolling-mill products."
[28] Combined total for "Blast-furnace products" and "Steel works and rolling-mill products."
[29] Revised to include data for "Stamped and pressed metal products; enameling, japanning, and lacquering." Figures for 1929 include also "Iron and steel, processed", abandoned as a separate industry classification in 1931 and, beginning with that year, included in the machinery group.
[30] 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 manufacture of the specified classes of products. "Nail spikes," etc., also exclude products made in wire mills.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Safes and vaults	1935	14	809	800	1,204	3,313	2,109	----------
	1933	21	933	643	938	2,918	1,980	----------
	1929	27	3,033	4,439	6,392	19,362	12,970	10,806
Screw-machine products and wood screws.	1935	302	15,018	16,825	26,584	63,029	36,445	----------
	1933	255	10,236	8,950	13,485	33,449	19,964	----------
	1929	273	19,881	28,987	39,463	105,975	66,512	64,840
Stamped and pressed metal products; enameling, japanning, and lacquering.	1935	698	50,014	51,183	101,122	208,672	107,550	----------
	1933	552	32,302	26,634	54,682	117,372	62,690	----------
	1931	566	28,378	30,602	53,618	122,696	69,078	----------
	1929	582	40,000	50,092	87,639	204,306	116,667	98,184
Steam and hot-water heating apparatus and steam fittings.	1935	275	27,081	28,819	37,446	111,750	74,303	----------
	1933	227	22,301	19,541	20,061	69,234	49,173	----------
	1931	238	28,996	29,558	29,704	102,501	72,797	----------
	1929	240	39,621	58,975	72,708	228,310	155,602	137,339
Stoves and ranges (other than electric) and warm-air furnaces.	1935	559	41,739	44,222	75,884	185,615	109,731	----------
	1933	543	30,193	26,969	46,284	117,737	71,453	----------
	1931	589	32,580	35,275	61,833	169,106	107,273	----------
	1929	609	46,616	65,147	100,747	271,747	171,000	113,100
Tin cans and other tinware, not elsewhere classified.[31]	1935	204	27,484	27,826	206,034	292,388	86,354	----------
	1933	194	23,343	22,693	137,046	207,946	70,900	----------
	1931	199	25,271	27,978	149,121	223,634	74,513	----------
	1929	232	31,497	38,173	194,987	296,901	101,915	77,332
Tools and cutlery:								
Cutlery (not including silver and plated cutlery) and edge tools.	1935	264	13,715	13,582	12,591	51,171	38,580	----------
	1933	200	10,807	8,848	8,647	38,718	30,071	----------
	1929	239	14,991	17,651	14,789	78,661	63,872	49,886
Files	1935	22	2,913	3,049	2,233	9,179	6,947	----------
	1933	23	2,634	2,431	1,567	7,391	5,824	----------
	1929	33	3,974	5,240	3,053	14,114	11,062	12,091
Saws	1935	82	3,425	3,731	4,145	13,649	9,504	----------
	1933	71	2,528	2,347	3,003	9,926	6,923	----------
	1929	81	4,137	5,727	6,884	22,615	15,731	11,894
Tools, not including edge tools, machine tools, files, or saws.	1935	343	12,636	13,298	18,702	52,544	33,842	----------
	1933	294	9,598	8,158	10,521	34,199	23,678	----------
	1929	534	19,305	25,808	32,111	99,462	67,352	65,965
Wire drawn from purchased rods.[32]	1935	88	21,550	24,452	68,526	127,417	58,891	----------
	1933	78	14,656	14,321	39,615	75,476	35,861	----------
	1931	82	14,476	17,179	45,187	83,370	38,183	----------
	1929	81	22,467	35,110	126,182	213,997	87,815	150,020
Wirework, not elsewhere classified.	1935	536	25,165	25,426	55,654	117,569	61,916	----------
	1933	429	17,633	14,155	36,220	74,520	39,300	----------
	1929	547	22,388	27,912	68,144	146,805	78,661	48,864
NONFERROUS METALS AND THEIR PRODUCTS								
Smelting and refining, total.	1935	249	27,242	29,815	600,122	695,268	95,146	----------
	1933	214	18,236	17,023	302,328	359,012	56,684	----------
	1931	237	21,906	27,064	401,151	484,682	83,530	----------
	1929	250	36,046	56,447	1,344,040	1,519,642	175,601	618,485
Primary, total	1935	62	22,478	24,887	476,366	554,627	78,261	----------
	1933	59	14,567	13,549	231,885	273,286	41,401	----------
	1931	76	18,477	22,716	335,713	408,589	72,876	----------
	1929	75	30,981	49,239	1,199,025	1,345,800	146,775	596,081
Copper	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	----------
	1929	26	14,544	23,952	920,351	994,784	74,432	412,244
Lead	1935	16	3,187	3,424	121,997	137,219	15,223	----------
	1933	14	2,105	2,325	60,534	70,454	9,920	----------
	1931	16	2,584	3,569	78,745	90,726	11,982	----------
	1929	19	4,819	7,577	203,914	232,115	28,201	59,936
Zinc	1935	26	8,842	10,309	43,572	69,151	25,579	----------
	1933	26	6,866	5,838	28,679	44,222	15,543	----------
	1929	30	11,618	17,710	74,760	118,901	44,141	123,901

[31] "Tinplate and terne plate" is treated as part of the "Steel works and rolling-mill products industry."
[32] Covers fabricated wire products made in the same establishments.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
NONFERROUS METALS, ETC.—Contd.								
Secondary, total	1935	187	4,764	4,928	123,756	140,641	16,885	----------
	1933	155	3,669	3,474	70,443	85,726	15,283	----------
	1929	175	5,065	7,208	145,015	173,842	28,827	22,404
Gold, silver, and platinum, refining and alloying.	1935	88	1,002	1,318	71,749	78,018	6,269	----------
	1933	61	745	980	39,036	44,604	5,567	----------
	1929	69	931	1,634	61,570	67,959	6,389	4,230
Nonferrous metals other than gold, silver, and platinum, not from the ore.	1935	99	3,762	3,610	52,006	62,623	10,616	----------
	1933	94	2,924	2,494	31,407	41,123	9,716	----------
	1929	106	4,134	5,574	83,445	105,883	22,438	18,174
Alloys and manufactures of metals and of alloys, totals.	1935	5,162	187,744	202,836	489,024	973,293	484,269	----------
	[33]1933	4,153	137,734	123,065	284,117	592,369	308,253	----------
	[33]1931	5,507	158,305	182,451	407,418	841,883	434,466	----------
	[33]1929	6,690	238,695	336,927	1,033,764	1,873,110	839,345	853,548
Aluminum products	1935	170	19,271	20,345	58,431	104,067	45,636	----------
	1933	109	13,634	11,900	34,027	61,464	27,437	----------
	1929	150	21,210	29,693	94,036	153,457	59,421	107,846
Clocks, watches, time-recording devices, and materials and parts.[34]	1935	76	18,026	18,280	22,546	61,204	38,657	----------
	1933	53	12,850	10,003	9,468	31,656	22,188	----------
	1929	81	21,450	25,750	21,388	77,467	56,079	22,794
Collapsible tubes	1935	16	1,961	1,750	4,966	8,505	3,539	----------
	1933	17	1,750	1,482	3,834	6,924	3,090	----------
	1929	17	1,821	1,782	5,386	8,913	3,527	2,272
Watch cases	1935	29	2,016	2,329	2,760	6,983	4,223	----------
	1933	20	1,169	1,006	760	2,657	1,897	----------
	1929	40	3,404	4,626	4,631	13,491	8,860	5,581
Sheet-metal work, not specifically classified.	1935	1,400	17,369	19,551	57,765	109,333	51,567	----------
	1933	1,220	13,050	12,658	35,463	68,807	33,344	----------
	1931	1,762	19,365	25,158	56,342	116,443	60,101	----------
	1929	2,161	28,593	43,255	112,648	222,485	109,837	53,749
Fire extinguishers, chemical.	1935	25	806	965	2,472	5,343	2,870	----------
	1933	22	589	604	1,720	3,775	2,055	----------
	1929	28	740	959	4,188	8,566	4,379	1,464
Lighting equipment	1935	501	16,677	17,232	39,903	85,700	45,797	----------
	1933	357	10,538	9,506	19,241	46,173	26,933	----------
	1929	614	23,580	33,269	57,918	144,966	87,047	40,209
Needles, pins, hooks and eyes, and snap fasteners.	1935	50	10,104	9,494	9,288	32,830	23,541	----------
	1933	45	6,412	5,768	5,818	22,758	16,940	----------
	1929	43	6,242	6,566	6,188	22,031	15,843	6,694
Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified.	1935	1,098	62,935	72,001	219,680	393,227	173,547	----------
	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	----------
	1929	1,225	79,183	116,944	600,411	909,804	309,393	506,273
Gold leaf and foil	1935	27	557	403	959	1,783	824	----------
	1933	31	608	348	684	1,402	718	----------
	1929	75	1,177	1,134	1,933	3,978	2,045	383
Tin and other foils, not including gold foil.	1935	11	1,831	1,899	9,226	14,533	5,307	----------
	1933	7	1,337	1,189	7,680	11,331	3,651	----------
	1929	7	1,710	1,856	13,548	20,955	7,406	18,642
Jewelry	1935	994	17,096	17,841	30,247	70,917	40,670	----------
	1933	779	13,069	11,323	16,783	42,652	25,869	----------
	1929	1,436	25,287	35,465	66,506	155,544	89,037	----------
Jewelers' findings and materials.[26]	1935	73	2,663	2,728	10,953	17,170	6,218	----------
	1933	60	1,811	1,604	5,503	9,250	3,747	----------
Silverware and plated ware.	1935	139	10,194	11,078	15,225	43,372	28,147	----------
	1933	126	9,177	8,229	12,425	34,333	21,907	----------
	1929	179	15,735	22,578	26,886	85,882	58,997	36,224
Electroplating	1935	553	6,238	6,941	4,602	18,328	13,725	----------
	1933	423	3,956	3,715	2,352	10,032	7,680	----------
	1929	534	5,928	9,537	4,799	23,728	18,929	24,015

[26] No comparable data for 1929.
[33] Revised to exclude data for "Stamped and pressed metal products; enameling, japanning and lacquering" transferred to group "Iron and steel and their products."
[34] Not including watchcases.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements (including tractors).[35]	1935	241	52,866	64,321	139,439	291,254	151,815	----------
	1933	194	19,264	18,562	29,006	64,951	35,945	----------
	1931	250	29,245	32,265	69,782	168,318	98,536	----------
	1931	*219*	*17,529*	*19,106*	*32,244*	*84,288*	*52,044*	----------
	1929	293	41,663	58,942	113,969	277,854	163,885	128,499
Cash registers, adding and calculating machines, and other business machines except typewriters.[36]	1935	93	18,468	23,696	13,771	94,739	80,968	----------
	1933	73	12,448	14,926	7,849	80,968	42,982	----------
Electrical machinery, apparatus, and supplies.[37]	1935	1,393	179,641	198,046	370,904	960,430	589,526	----------
	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	----------
	1931	*1,567*	*214,734*	*237,753*	*428,511*	*1,179,408*	*755,897*	----------
	1929	1,802	328,722	456,378	971,018	2,300,916	1,329,898	893,519
Engines, turbines, water wheels, and windmills.[38]	1935	149	22,062	26,845	42,071	99,996	57,925	----------
	1933	153	15,411	14,853	23,436	56,619	33,183	----------
	1931	173	22,414	26,075	44,977	109,933	64,956	----------
	1931	*204*	*34,130*	*39,232*	*82,515*	*193,963*	*111,448*	----------
	1929	214	62,702	100,850	206,472	465,858	259,386	291,570
Foundry and machine-shop industries as a group.[39]	1935	7,610	316,168	368,632	558,407	1,438,042	879,634	----------
	1933	6,203	219,990	205,461	294,003	801,793	507,790	----------
	1931	7,259	286,658	329,418	453,957	1,270,955	816,999	----------
	1929	8,647	455,504	699,031	1,040,806	2,800,640	1,758,834	----------
Boiler shops [40]	1935	413	13,290	14,770	35,951	73,170	37,220	----------
	1933	292	9,805	9,094	23,481	45,866	22,386	----------
Cranes and dredging, excavating, and road building machinery.[41]	1935	128	10,808	12,572	28,793	62,860	34,067	----------
Foundries (gray-iron and malleable-iron).[40]	1935	1,251	89,894	98,512	89,814	250,460	160,646	----------
	1933	1,078	59,321	49,414	43,543	142,722	99,179	----------
Machine shops [40]	1935	3,026	82,474	97,454	172,563	418,054	245,491	----------
	1933	2,895	70,947	66,392	104,760	274,568	169,808	----------
Machinery not elsewhere classified.[41]	1935	2,554	109,818	131,743	218,238	581,937	363,699	----------
Printers' machinery and equipment.[41]	1935	238	9,884	13,582	13,049	51,560	38,511	----------
Machine-tool accessories, and machinists' precision tools and instruments.	1935	731	23,138	34,414	26,904	96,838	69,933	----------
	1933	587	12,757	14,159	10,882	44,384	33,501	----------
	1931	718	17,533	26,559	16,320	69,033	52,713	----------
	1929	722	26,682	51,085	26,993	144,411	117,418	64,398
Machine tools	1935	259	28,185	37,261	36,347	121,833	85,485	----------
	1933	232	12,714	12,596	10,844	41,434	30,589	----------
	1931	279	21,262	25,150	21,901	81,287	59,386	----------
	1929	280	47,391	76,410	64,284	244,578	180,294	141,778

[35] Figures for 1931 (except those in italics) and 1933 revised to include data for manufacturers of tractors, formerly classified in "Engines, turbines, water wheels, and windmills" industry. The figures for 1931 in italics are comparable with figures for 1929 which have not been revised.

[36] Formerly "Cash registers and adding, calculating, and card-tabulating machines." Manufacturers of duplicating machines, check-writing machines, and manifolding machines, classified in this industry in 1935, were formerly assigned to "Foundry and machine-shop products." The figures for 1933 have been revised accordingly. Comparable figures are not available for 1929.

[37] Prior to 1931 this industry included radio apparatus and tubes included beginning with 1931 in a new classification, "Radio apparatus and phonographs." Figures for 1931 in italics were adjusted for comparison with those for 1929.

[38] Figures for 1931 (except those in italics) and 1933 revised to exclude data for manufacturers of tractors formerly classified in this industry. Figures for 1931 in italics and those for 1929 have not been revised.

[39] Formerly a single industry; now the six industries following. Figures for 1929, 1931, and 1933 revised to include data for "Elevators and elevator equipment," classified separately for 1931 and 1933, but now included in "Machinery, n. e. c.," and for "Engravers' materials" and "Printers' supplies" now included in "Printers' machinery and equipment"; and to exclude data for certain products formerly assigned to "Foundry and machine-shop products" but now included in "Cash registers," etc. (see note 36). Revised 1929 data for horsepower are not available.

[40] New classification; formerly part of "Foundry and machine-shop products." Figures for 1933 compiled for comparison with 1935.

[41] New classification; formerly part of "Foundry and machine-shop products." No comparable figures available for earlier years.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MACHINERY, ETC.—Continued								
Pumps (hand and power) and pumping equipment.	1935	326	14,990	17,322	35,224	86,965	51,741	----------
	1933	257	11,110	10,379	20,257	49,002	28,745	----------
	1929	322	23,106	34,920	66,802	164,009	97,207	82,403
Refrigerators, and refrigerating and ice-making apparatus.[42]	1935	275	37,146	40,443	116,283	224,114	107,831	----------
	1933	204	26,398	24,335	69,601	140,762	71,161	----------
	1931	227	26,116	32,350	88,562	199,427	110,865	----------
	1929	222	26,667	39,378	98,864	222,049	123,185	73,446
Radio apparatus and phonographs.[43]	1935	196	44,796	42,906	103,487	200,973	97,485	----------
	1933	156	32,879	29,654	58,521	121,802	63,281	----------
Scales and balances	1935	56	2,468	2,633	3,786	13,384	9,598	----------
	1933	45	2,187	1,825	2,162	8,333	6,171	----------
	1929	59	4,118	5,995	7,438	30,381	22,943	9,738
Sewing machines and attachments.	1935	39	7,509	9,053	6,027	22,635	16,608	----------
	1933	30	6,313	6,034	2,862	12,926	10,064	----------
	1929	39	10,467	14,976	16,458	45,095	28,636	29,659
Textile machinery and parts.	1935	349	19,072	21,246	23,131	68,846	45,715	----------
	1933	314	18,576	18,737	18,378	60,323	41,945	----------
	1929	376	27,019	37,836	36,556	122,439	85,882	66,539
Typewriters and parts	1935	20	15,398	16,632	8,630	33,858	25,228	----------
	1933	14	9,591	7,565	3,256	16,465	13,208	----------
	[17]1929	26	16,945	22,319	7,249	61,858	54,609	23,383
Washing machines, wringers, driers, and ironing machines, for household use.	1935	41	8,742	9,852	36,996	62,425	25,429	----------
	1933	41	6,956	6,363	24,361	44,542	20,181	----------
	1929	65	8,189	12,072	40,707	82,330	41,623	26,732
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motorcycles.	1935	121	147,044	217,039	1,814,132	2,391,090	576,958	----------
	1933	122	97,869	103,785	767,768	1,096,946	329,178	----------
	1931	178	134,866	156,756	1,044,406	1,567,526	523,120	----------
	1929	210	224,688	364,457	2,394,561	3,709,515	1,314,954	707,842
Motor-vehicle bodies and motor-vehicle parts.	1935	825	240,757	328,375	1,003,106	1,550,924	547,818	----------
	1933	701	145,745	148,322	[1]437,186	[1]756,034	[1]318,848	----------
	1931	940	150,649	193,770	516,945	945,407	428,461	----------
	1929	1,188	222,760	368,625	863,937	1,551,208	687,271	830,775
Motorcycles, bicycles, and parts.	1935	23	5,093	5,214	12,813	23,086	10,273	----------
	1933	19	3,038	2,639	6,162	12,055	5,894	----------
	1929	21	4,392	6,264	11,281	23,895	12,613	11,124
Carriages, wagons, sleighs, and sleds.[26]	1935	45	1,592	1,284	3,683	6,845	3,162	----------
	1933	53	1,409	922	2,350	4,753	2,402	----------
Carriages and sleds, children's.	1935	55	4,918	4,360	7,420	15,511	8,092	----------
	1933	46	3,971	2,877	5,671	10,985	5,314	----------
	1929	79	7,102	8,313	13,515	28,818	15,303	10,895
Aircraft and parts	1935	79	11,384	14,893	14,015	45,347	31,332	----------
	1933	64	7,816	10,308	7,957	26,460	18,503	----------
	1929	132	14,710	21,924	27,368	71,153	43,785	16,505
Locomotives, other than electric, not made in railroad repair shops.	1935	14	3,790	3,972	9,493	17,383	7,890	----------
	1933	13	2,374	1,863	4,266	6,927	2,661	----------
	1929	16	11,045	17,994	52,808	83,858	31,050	98,482
Cars, electric and steam railroad, not built in railroad repair shops.	1935	150	21,481	25,756	61,710	100,542	38,832	----------
	1933	138	14,266	14,710	27,311	46,148	18,837	----------
	1931	152	18,785	25,553	59,754	99,657	39,903	----------
	1929	147	40,015	63,387	223,889	328,220	104,331	238,455

[1] Revised; revision not carried into total for group.
[17] Not strictly comparable with data for 1933 and 1935.
[26] No comparable data for 1929.
[42] This classification covers "Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment" and "Refrigerators, mechanical", formerly separate classifications in groups 3 and 13, respectively, and also includes, beginning 1931, statistics for a small number of establishments producing industrial ice-making and refrigerating machinery, formerly included in "Foundry and machine-shop products." As figures for 1929 do not include the establishments producing industrial ice-making and refrigerating machinery, they are not comparable with those for later years.
[43] No comparable data for 1929. Radio apparatus was formerly included in "Electrical machinery, apparatus, and supplies" and "Phonographs", was a separate industry in the "Miscellaneous industries" group.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TRANSPORTATION EQUIPMENT—Con.								
Ship and boat building, steel and wooden, including repair work.	1935	556	44,830	55,422	60,487	154,900	94,413	----------
	1933	395	30,885	33,890	31,172	92,696	61,524	----------
	1931	518	45,262	62,028	72,322	186,993	114,671	----------
	1929	624	55,089	88,274	85,849	231,300	145,451	337,455
RAILROAD REPAIR SHOPS								
Railroad repair shops, steam.[44]	1935	416	135,800	179,363	170,115	371,690	201,585	----------
	1933	*401*	*154,732*	*169,848*	*129,870*	*317,265*	*187,395*	----------
	1933	1,586	220,760	257,767	176,757	461,801	285,045	----------
	1931	1,783	282,405	396,394	276,705	678,922	402,217	----------
	1929	1,851	368,681	590,203	515,562	1,184,435	668,873	1,076,723
Railroad repair shops, electric.	1935	259	19,510	26,983	17,414	48,398	30,984	----------
	1933	315	21,116	26,683	15,089	44,231	29,142	----------
	1929	446	29,475	47,109	32,781	85,482	52,700	76,424
MISCELLANEOUS INDUSTRIES								
Musical instruments, total.	1935	192	8,806	8,738	10,132	26,633	16,502	----------
	1933	170	6,106	5,097	5,424	15,715	10,292	----------
	1929	316	18,625	25,782	30,030	79,981	49,951	49,092
Musical instruments and parts and materials, not elsewhere classified.	1935	94	2,864	3,010	2,729	9,060	6,331	----------
	1933	72	2,064	1,678	1,624	5,114	3,490	----------
	1929	106	3,176	4,581	3,825	14,274	10,449	6,060
Organs	1935	28	614	611	576	1,699	1,123	----------
	1933	29	574	510	387	1,627	1,240	----------
	1929	62	2,389	3,604	3,091	11,323	8,232	4,740
Pianos	1935	36	4,110	4,080	5,602	12,688	7,086	----------
	1933	36	2,700	2,382	2,828	7,243	4,415	----------
	1929	81	9,970	14,001	18,866	42,501	23,635	27,193
Piano and organ materials.	1935	34	1,217	1,029	1,223	3,186	1,962	----------
	1933	33	768	527	584	1,732	1,148	----------
	1929	67	3,090	3,597	4,248	11,883	7,635	11,099
Tobacco manufactures, total.	1935	800	90,543	59,448	[45] 809,018	1,093,400	284,382	----------
	1933	804	87,325	50,933	[45] 659,095	909,082	249,987	----------
	1931	1,228	99,769	69,411	[45] 785,502 *363,476*	1,155,851	370,349	----------
	1929	1,788	116,119	94,579	420,272	1,246,242	([46])	64,984
Tobacco (chewing and smoking) and snuff.	1935	115	10,077	7,629	[45] 89,897	135,445	45,548	----------
	1933	112	10,223	7,037	[45] 82,946	131,935	48,988	----------
	1931	125	11,441	8,673	[45] 111,158 *66,873*	169,113	57,955	----------
	1929	152	10,811	8,955	72,494	179,333	([46])	15,467
Cigarettes	1935	29	24,447	18,315	[45] 641,313	806,690	165,377	----------
	1933	27	22,544	13,835	[45] 503,560	637,776	134,216	----------
	1931	40	20,146	14,664	[45] 550,049 *192,842*	759,389	204,340	----------
	1929	49	21,142	18,401	218,424	755,245	([46])	34,420
Cigars	1935	746	56,019	33,503	[45] 77,807	151,265	73,457	----------
	1933	665	54,558	30,061	[45] 72,589	139,372	66,783	----------
	1931	1,063	68,182	46,074	[45] 119,295 *103,761*	227,349	108,054	----------
	1929	1,587	84,165	67,222	138,354	311,664	([46])	15,097
Other industries, total.	1935	10,074	205,874	212,082	511,042	1,091,713	580,671	----------
	[47]1933	7,675	165,183	146,935	335,665	752,838	417,173	----------
	[47]1931	10,264	188,741	220,798	482,421	1,118,062	635,641	----------
	[47]1929	12,476	279,882	377,393	902,190	2,094,781	1,192,591	550,224

[44] Classification revised to exclude shops engaged in light repair work only. Figures for 1933 in italics revised for comparison with 1935. Other figures for 1933 are comparable with 1929 and 1931.

[45] Figures include internal-revenue tax; figures in italics for 1931 exclude internal-revenue tax and are comparable with those for 1929.

[46] No comparable figure because of the fact that the amount of internal-revenue tax is included in the "Cost of materials" for 1931, 1933, and 1935, but not for prior years, while this tax is included in the figures for "Value of products" for all years. ("Value added by manufacture" equals "Value of products" less "Cost of materials, etc.").

[47] Revised to exclude data for "Hats, straw, men's" and to include data for "Wool pulling."

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Artificial and preserved flowers and plants.	1935	190	3,206	2,609	3,305	8,994	5,689	----------
	1933	131	2,338	1,567	2,481	6,445	3,964	----------
	1929	191	3,216	3,218	5,527	14,425	8,898	625
Artists' materials [48]	1935	47	350	337	1,222	2,431	1,209	----------
	1933	38	265	259	989	2,137	1,148	----------
	1929	51	623	794	2,998	5,940	2,942	----------
Beauty-shop equipment, except furniture.[5]	1935	82	2,179	1,968	5,017	12,525	7,507	----------
Brooms	1935	348	4,158	3,072	7,480	14,338	6,858	----------
	1933	260	3,757	2,111	4,601	9,073	4,472	----------
	1929	407	4,542	4,169	9,648	19,166	9,519	4,672
Brushes, other than rubber.	1935	250	6,818	6,007	18,589	42,091	23,503	----------
	1933	221	5,809	4,821	12,200	24,576	12,376	----------
	1929	303	7,261	7,963	21,688	45,549	23,861	11,915
Buttons	1935	297	10,288	8,151	11,079	28,031	16,952	----------
	1933	200	9,888	6,706	8,614	22,412	13,798	----------
	1929	242	9,034	8,814	11,501	28,978	17,477	14,615
Carbon paper and inked ribbons.	1935	56	1,425	1,629	7,500	14,695	7,195	----------
	1933	47	1,171	1,243	5,157	11,225	6,069	----------
	1929	57	1,251	1,702	7,991	17,295	9,304	3,642
Combs and hairpins, not made of metal or of rubber.	1935	11	238	193	315	706	391	----------
	1933	17	411	279	471	911	441	----------
	1929	24	656	641	1,007	2,482	1,476	1,015
Dentists' equipment and supplies.	1935	87	3,516	3,631	9,116	22,968	13,852	----------
	1933	79	3,120	2,452	6,945	16,437	9,492	----------
	1929	87	4,559	5,359	17,327	35,180	17,853	6,216
Feathers, plumes, and manufactures thereof.	1935	73	573	423	611	1,646	1,034	----------
	1933	40	322	205	227	835	608	----------
	1929	39	257	310	386	1,141	755	100
Foundry supplies	1935	46	400	446	3,445	6,519	3,074	----------
	1933	40	334	315	1,326	2,788	1,462	----------
	1929	59	853	1,256	5,535	10,459	4,924	9,396
Fur goods	1935	2,438	12,510	21,040	88,585	143,784	55,200	----------
	1933	1,463	8,210	11,500	50,061	80,524	30,464	----------
	1931	2,354	12,358	24,793	102,634	164,749	62,115	----------
	1929	2,855	15,752	33,330	176,107	277,593	101,486	5,511
Furs, dressed and dyed	1935	167	6,434	7,561	6,506	21,340	14,834	----------
	1933	181	5,364	6,246	9,540	24,948	15,408	----------
	1929	248	5,167	8,596	18,649	40,237	21,588	10,769
Hair work	1935	43	502	438	1,040	2,738	1,698	----------
	1933	37	228	188	306	986	679	----------
	1929	59	359	432	538	1,694	1,155	44
Hand stamps and stencils and brands.	1935	277	2,255	2,532	2,660	9,338	6,679	----------
	1933	256	2,196	2,062	1,855	7,637	5,782	----------
	1929	332	2,971	4,081	3,811	15,036	11,225	3,596
Instruments and apparatus, professional, scientific, and industrial.[49]	1935	283	15,216	17,573	20,510	68,344	47,834	----------
	1933	241	8,894	9,183	9,586	35,915	26,328	----------
	1929	306	21,914	30,091	39,859	121,192	81,333	----------
Jewelry and instrument cases.	1935	72	2,312	1,980	2,352	6,363	4,012	----------
	1933	62	1,095	841	1,135	3,096	1,961	----------
	1929	113	2,269	2,473	3,324	8,827	5,502	1,503
Lapidary work	1935	60	153	201	1,239	2,050	811	----------
	1933	34	107	124	483	823	340	----------
	1929	100	506	1,002	8,235	11,942	3,708	474
Mattresses and bed springs not elsewhere classified.	1935	824	15,404	14,668	48,926	84,811	35,885	----------
	1933	645	13,280	10,694	32,491	59,724	27,233	----------
	1929	951	17,187	22,584	61,527	123,280	61,753	50,554

[5] New classification; no comparable data for earlier years.

[48] Figures for 1929 and 1933 revised to exclude manufacturers of crayons formerly classified in "Artists' materials" but now in "Pencils, lead (including mechanical) and crayons." Revised 1929 data not available for horsepower.

[49] Manufacturers of gas and water meters formerly assigned to abandoned classification "Meters (gas, water, etc.) and gas generators" are now classified in this industry. Figures for 1929 and 1933 have been revised accordingly but revision not carried into subgroup total. Revised 1929 data not available for horsepower.

No. 792.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Miscellaneous articles not elsewhere classified.	1935	655	14,214	11,831	20,678	49,647	28,970	----------
	1933	557	13,024	9,615	16,174	40,900	24,726	----------
	1929	835	19,113	19,465	35,657	86,649	50,992	11,713
Models and patterns, not including paper patterns.	1935	582	4,104	6,128	3,197	15,297	12,099	----------
	1933	422	2,795	3,525	1,483	8,627	7,145	----------
	1929	804	6,778	13,234	5,314	30,621	25,307	12,378
Optical goods	1935	100	9,667	10,334	11,068	33,600	22,532	----------
	1933	103	7,598	7,300	8,155	26,214	18,059	----------
	1929	117	9,701	12,634	11,859	40,562	28,703	15,626
Paving materials: Blocks (except brick and stone), and mixtures.	1935	132	2,231	2,514	9,978	17,885	7,907	----------
	1933	93	1,151	1,215	6,287	10,950	4,663	----------
	1929	77	1,376	2,187	11,998	22,060	10,062	11,100
Pencils, lead (including mechanical), and crayons.	1935	47	5,182	4,236	8,255	19,999	11,744	----------
	1933	43	4,048	3,167	5,134	14,394	9,260	----------
	1929	55	6,247	6,927	11,914	31,293	19,379	(52)
Pens, fountain and stylographic; pen points, gold, steel, and brass.	1935	51	3,780	3,428	5,783	17,888	12,104	----------
	1933	54	3,099	2,341	4,124	11,598	7,473	----------
	1929	76	4,600	5,304	11,459	34,211	22,752	4,235
Photographic apparatus and materials and projection apparatus.	1935	118	12,000	15,807	26,133	73,966	47,834	----------
	1933	84	8,975	10,155	11,985	53,860	41,875	----------
	1929	115	12,967	20,507	30,393	102,827	72,435	31,904
Pipes (tobacco)	1935	29	2,240	2,283	1,942	6,176	4,234	----------
	1933	22	1,362	1,145	960	3,274	2,314	----------
	1929	24	1,680	1,961	1,749	5,558	3,809	2,276
Roofing, built-up and roll; asphalt shingles; roof coatings, other than paint.	1935	108	6,478	6,685	42,967	76,173	33,206	----------
	1933	74	4,418	4,436	23,893	44,833	20,940	----------
	1929	102	6,027	8,952	61,392	103,506	42,115	33,791
Signs and advertising novelties.	1935	1,075	13,712	14,932	21,222	61,362	40,141	----------
	1933	848	12,044	11,577	15,312	47,144	31,832	----------
	1929	1,239	20,000	27,901	35,701	118,044	82,343	19,627
Soda fountains and accessories.	1935	48	1,096	1,436	4,124	8,214	4,090	----------
	1933	40	816	948	2,649	6,035	3,386	----------
	1929	54	2,764	3,922	10,490	24,510	14,020	5,271
Sporting and athletic goods, not incl. firearms or ammunition.	1935	196	9,665	9,018	16,571	34,864	18,292	----------
	1933	176	8,215	6,523	10,570	25,267	14,698	----------
	1929	242	10,793	13,135	24,482	58,280	33,806	18,039
Stationery goods [50]	1933	86	3,467	2,738	6,818	14,241	7,423	----------
Steam and other packing, pipe and boiler covering, and gaskets.[51]	1935	124	4,774	4,742	11,752	24,258	12,507	----------
	1933	118	4,285	3,785	8,728	19,390	10,661	----------
	1929	163	6,477	8,746	20,602	43,056	22,453	(52)
Surgical and orthopedic appliances and related products.	1935	307	7,089	6,288	36,107	61,764	25,657	----------
	1933	250	6,958	6,119	28,846	51,442	22,596	----------
	1929	363	7,910	8,922	36,005	71,607	35,602	13,407
Theatrical scenery and stage equipment.	1935	48	279	437	749	1,937	1,188	----------
	1933	40	312	397	617	2,044	1,427	----------
	1929	55	547	992	2,098	5,508	3,409	618
Toys, games, and playground equipment.[53]	1935	384	15,375	12,129	23,652	52,156	28,505	----------
	1933	285	12,484	8,877	17,119	37,222	20,103	----------
	1929	476	16,660	17,661	29,982	74,829	44,847	25,642
Umbrellas, parasols, and canes.	1935	83	2,186	1,712	6,140	10,086	3,946	----------
	1933	80	2,155	1,531	4,972	8,259	3,287	----------
	1929	141	2,855	2,768	10,907	17,994	7,087	3,069
Window shades (textile and paper) and fixtures.	1935	319	2,999	2,710	12,216	20,324	8,108	----------
	1933	312	2,903	2,264	9,115	16,170	7,055	----------
	1929	482	4,708	5,624	19,785	36,965	17,179	8,389
Wool pulling	1935	17	866	975	9,011	12,403	3,393	----------
	1933	16	678	670	7,087	10,226	3,138	----------
	1929	18	596	907	10,917	13,648	2,731	1,847

[50] Not elsewhere classified. This industry was abandoned as a separate classification and establishments formerly included distributed according to value of chief product; no comparable data for 1929.
[51] Not elsewhere classified. Figures for 1929 and 1933 revised to exclude data for establishments manufacturing mineral wool as a primary product. Revision not carried into total for subgroup.
[52] Revised data are not available.
[53] Not including children's wheel goods or sleds

Source: Bureau of the Census, Department of Commerce.

No. 793.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: By Geographic Divisions and States

NOTE.—All figures beginning with 1929 and United States totals for 1927 in italics exclude statistics for "Coffee and spices, roasting and grinding" and "Peanuts, walnuts, and other nuts, processed or shelled," no data having been collected for these industries at the 1933 and 1935 censuses. The figures for 1927, except the United States totals in italics, include data for these industries. Data for "Poultry killing and dressing" are included for all years except 1927, for which year this industry was not canvassed. Statistics for horsepower were not collected for 1931 and 1933 and were not compiled for 1935. See also general note, p. 749.

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
United States	1935	169,111	7,378,845	7,545,338	26,263,494	45,759,763	19,496,269	----------
	1933	141,769	6,055,736	5,261,576	16,820,822	31,358,840	14,538,018	----------
	1931	174,255	6,506,701	7,173,232	21,680,760	41,038,402	19,357,643	----------
	1929	209,862	8,821,757	11,607,287	38,177,900	69,960,910	31,783,010	42,869,403
	[1] *1927*	*190,938*	*8,334,184*	*10,835,973*	*34,802,594*	*62,278,116*	*27,475,523*	*38,769,183*
	[1] 1927	191,866	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
New England	1935	15,244	911,022	894,164	2,012,224	3,087,652	1,075,428	----------
	1933	14,012	798,282	685,362	1,469,804	3,073,140	1,603,336	----------
	1931	16,338	849,618	896,949	1,823,182	3,901,626	2,078,444	----------
	1929	18,230	1,097,986	1,345,721	3,142,745	6,377,943	3,235,199	4,684,540
	1927	17,745	1,098,748	1,328,650	3,048,863	6,028,475	2,979,612	4,506,155
Middle Atlantic	1935	54,156	2,114,303	2,264,051	6,791,931	12,825,668	6,033,737	----------
	1933	43,831	1,745,624	1,637,201	4,672,407	9,333,966	4,661,558	----------
	1931	56,356	1,959,556	2,350,519	6,372,204	12,890,827	6,518,623	----------
	1929	64,528	2,560,069	3,637,674	11,085,616	21,235,221	10,149,605	11,612,902
	1927	62,276	2,467,791	3,491,680	10,488,832	19,533,075	9,044,243	10,968,754
East North Central	1935	37,167	2,116,103	2,447,940	8,306,479	14,532,086	6,225,607	----------
	1933	32,256	1,600,969	1,494,447	4,722,617	8,845,121	4,122,504	----------
	1931	39,113	1,755,362	2,055,248	6,084,469	11,781,372	5,696,903	----------
	1929	46,233	2,539,925	3,736,127	11,614,800	21,568,789	9,953,989	12,591,913
	1927	43,671	2,309,860	3,340,801	10,525,393	18,988,400	8,463,007	11,056,846
West North Central	1935	14,058	364,648	368,814	2,281,164	3,381,004	1,099,840	----------
	1933	12,222	322,871	287,531	1,480,750	2,381,800	901,050	----------
	1931	15,026	362,128	404,791	1,995,888	3,164,079	1,168,191	----------
	1929	17,684	470,919	587,222	3,466,220	5,324,138	1,857,918	2,202,727
	1927	16,192	448,192	550,698	3,170,989	4,733,112	1,562,123	2,033,074
South Atlantic	1935	15,408	881,598	657,304	2,497,819	4,110,430	1,612,611	----------
	1933	12,610	770,805	498,676	1,731,746	3,059,753	1,328,008	----------
	1931	15,100	734,069	582,748	2,002,853	3,576,987	1,574,134	----------
	1929	20,699	909,114	824,422	2,772,946	5,221,614	2,448,667	4,305,447
	1927	17,029	879,060	794,265	2,487,871	4,631,952	2,144,081	3,805,038
East South Central	1935	6,440	318,642	234,225	878,192	1,488,480	610,289	----------
	1933	4,939	263,783	167,217	535,500	980,595	445,035	----------
	1931	6,053	261,676	208,522	627,706	1,160,836	533,130	----------
	1929	9,784	377,032	348,186	1,073,602	1,993,334	919,731	1,995,266
	1927	7,637	359,542	331,280	1,025,122	1,808,818	783,696	1,787,386
West South Central	1935	8,230	223,295	188,085	1,334,827	1,913,904	579,077	----------
	1933	6,936	192,885	143,856	813,184	1,271,447	458,263	----------
	1931	8,130	197,843	191,172	1,015,457	1,525,389	509,932	----------
	1929	10,420	294,806	315,007	1,822,358	2,762,462	940,104	1,744,071
	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
Mountain	1935	3,438	69,015	75,602	412,570	617,282	204,712	----------
	1933	2,860	59,853	58,494	257,770	419,489	161,719	----------
	1931	3,627	69,929	87,959	365,222	576,488	211,266	----------
	1929	4,293	102,331	144,315	866,490	1,235,443	368,954	937,978
	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
Pacific	1935	14,970	380,219	415,153	1,748,289	2,903,257	1,154,968	----------
	1933	12,094	300,665	288,792	1,136,984	1,993,530	856,546	----------
	1931	14,512	316,520	395,324	1,393,779	2,460,799	1,067,020	----------
	1929	17,991	469,575	668,613	2,333,123	4,241,965	1,908,842	2,794,559
	1927	15,189	424,463	599,969	2,082,311	3,614,013	1,531,702	2,359,614
New England: Maine	1935	1,203	69,273	58,949	154,814	274,870	120,056	----------
	1933	995	59,518	45,867	115,205	219,119	103,913	----------
	1931	1,232	56,300	55,179	142,204	259,357	117,152	----------
	1929	1,565	70,149	74,189	217,212	391,558	174,346	679,114
	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941

[1] The 1927 figures in italics are revised totals comparable with figures for later years; figures not in italics are comparable with figures for divisions and States for that year see headnote)).

No. 793.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
New England—Contd.								
New Hampshire	1935	788	54,212	48,358	115,611	209,384	93,773	----------
	1933	678	49,255	38,784	86,519	162,913	76,394	----------
	1931	848	53,044	51,807	112,739	210,074	97,335	----------
	1929	1,072	65,507	70,510	185,310	332,396	147,086	402,110
	1927	1,028	65,482	72,803	182,106	327,528	145,422	376,373
Vermont	1935	672	19,486	18,317	41,614	82,696	41,082	----------
	1933	530	15,083	12,456	26,489	56,624	30,135	----------
	1931	701	18,725	20,921	37,411	80,594	43,183	----------
	1929	926	27,420	33,809	66,227	143,481	77,254	163,935
	1927	880	26,241	32,305	69,957	134,030	64,073	172,762
Massachusetts	1935	8,316	442,649	445,831	1,075,398	2,095,390	1,019,992	----------
	1933	8,145	398,592	354,524	800,611	1,668,733	868,122	----------
	1931	9,274	433,974	473,649	1,005,402	2,144,593	1,139,191	----------
	1929	9,845	557,023	694,202	1,667,406	3,373,941	1,706,535	2,066,523
	1927	10,037	578,068	705,930	1,678,812	3,317,852	1,639,039	2,130,503
Rhode Island	1935	1,425	101,316	94,990	222,642	418,889	196,247	----------
	1933	1,254	92,512	76,124	163,734	331,046	167,312	----------
	1931	1,472	95,424	96,023	198,265	409,524	211,258	----------
	1929	1,700	126,048	144,172	341,615	665,534	323,919	463,742
	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
Connecticut	1935	2,840	224,086	227,718	402,144	906,423	504,279	----------
	1933	2,410	183,322	157,608	277,246	634,705	357,459	----------
	1931	2,811	192,151	199,370	327,160	797,484	470,324	----------
	1929	3,122	251,839	328,839	664,975	1,471,034	806,059	909,116
	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
Middle Atlantic:								
New York	1935	33,638	895,991	1,018,243	3,086,236	6,094,393	3,008,157	----------
	1933	25,979	733,452	754,367	2,196,385	4,596,258	2,399,873	----------
	1931	34,482	846,804	1,103,664	3,102,818	6,500,401	3,397,583	----------
	1929	39,273	1,104,335	1,648,379	4,935,505	9,892,763	4,957,258	3,979,228
	1927	36,650	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,185
New Jersey	1935	7,468	377,078	397,171	1,374,797	2,439,427	1,064,630	----------
	1933	5,759	295,574	283,242	878,933	1,686,129	807,196	----------
	1931	7,163	334,525	401,811	1,161,259	2,299,879	1,138,620	----------
	1929	8,374	442,177	610,404	2,157,268	3,923,262	1,765,993	1,644,667
	1927	8,312	408,093	570,309	1,956,597	3,417,450	1,460,853	1,496,935
Pennsylvania	1935	13,050	841,234	848,037	2,330,898	4,291,848	1,960,950	----------
	1933	12,093	716,598	599,591	1,597,090	3,051,579	1,454,489	----------
	1931	14,711	778,227	845,045	2,108,128	4,090,548	1,982,419	----------
	1929	16,881	1,013,557	1,378,890	3,992,843	7,419,197	3,426,354	5,989,007
	1927	17,314	987,414	1,315,993	3,728,062	6,715,563	2,987,502	5,800,634
East North Central:								
Ohio	1935	9,191	587,450	676,713	2,004,339	3,685,442	1,681,103	----------
	1933	8,101	472,899	439,753	1,234,187	2,374,653	1,140,467	----------
	1931	9,826	506,109	592,135	1,586,876	3,147,997	1,561,121	----------
	1929	11,800	740,240	1,101,158	3,112,721	5,995,007	2,882,285	4,336,685
	1927	10,961	669,097	968,181	2,877,126	5,230,323	2,353,197	3,734,761
Indiana	1935	3,964	254,113	265,651	951,623	1,672,608	720,985	----------
	1933	3,373	198,940	172,055	569,878	1,040,148	470,270	----------
	1931	4,082	212,538	232,236	756,164	1,392,493	636,329	----------
	1929	5,072	314,623	418,693	1,401,543	2,537,363	1,135,820	1,858,328
	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,602,113
Illinois	1935	12,090	537,783	598,657	2,129,227	3,818,213	1,688,986	----------
	1933	10,740	420,334	403,682	1,301,391	2,502,175	1,200,784	----------
	1931	13,120	482,875	588,555	1,771,208	3,492,656	1,721,448	----------
	1929	15,278	690,511	1,023,568	3,311,708	6,232,863	2,921,155	2,802,070
	1927	14,711	623,468	914,103	2,921,092	5,386,003	2,464,911	2,456,997
Michigan	1935	5,592	535,864	697,323	2,432,420	4,020,909	1,588,489	----------
	1933	4,633	350,266	346,111	1,163,158	2,104,105	940,946	----------
	1931	5,766	370,017	453,313	1,302,656	2,551,258	1,248,601	----------
	1929	6,668	529,905	840,326	2,585,227	4,651,174	2,065,947	2,356,067
	1927	5,800	488,856	760,602	2,346,678	4,244,941	1,898,263	2,214,747

No. 793.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
East North Central—Continued.								
Wisconsin	1935	6,330	200,893	209,595	788,870	1,334,914	546,044	----------
	1933	5,409	158,730	132,846	454,003	824,040	370,037	----------
	1931	6,319	183,823	189,010	667,565	1,196,967	529,402	----------
	1929	7,415	264,646	352,383	1,203,600	2,152,382	948,782	1,238,763
	1927	7,473	247,722	322,697	1,153,328	1,973,653	820,325	1,048,228
West North Central:								
Minnesota	1935	3,738	81,600	84,721	506,742	765,731	258,989	----------
	1933	3,312	69,633	64,024	328,193	529,733	201,540	----------
	1931	3,843	80,542	92,722	452,627	712,196	259,569	----------
	1929	4,295	103,215	132,194	761,387	1,164,458	403,071	605,685
	1927	3,886	98,833	123,619	726,391	1,066,727	340,336	584,328
Iowa	1935	2,512	59,231	59,041	401,574	586,014	184,440	----------
	1933	2,217	52,137	45,228	241,067	381,668	140,601	----------
	1931	2,763	60,826	68,274	354,532	558,524	203,992	----------
	1929	3,304	81,534	102,164	571,141	893,946	322,806	366,012
	1927	3,061	73,692	91,247	496,940	769,341	272,401	330,702
Missouri	1935	4,408	162,144	159,531	748,385	1,205,877	457,492	----------
	1933	3,813	141,176	120,467	498,162	881,184	383,022	----------
	1931	4,776	152,796	160,897	624,696	1,096,736	472,040	----------
	1929	5,720	200,411	239,156	1,115,393	1,885,470	770,077	713,705
	1927	5,422	195,378	230,017	1,004,709	1,665,173	660,464	656,269
North Dakota	1935	329	2,905	3,253	32,982	42,913	9,932	----------
	1933	268	3,103	3,290	21,701	31,541	9,840	----------
	1931	325	3,306	4,600	28,155	40,076	11,921	----------
	1929	372	3,990	5,657	39,001	54,407	15,407	19,335
	1927	307	3,260	4,808	34,271	47,003	12,732	16,167
South Dakota	1935	409	4,421	4,424	44,797	56,333	11,536	----------
	1933	348	4,731	4,508	32,506	46,266	13,760	----------
	1931	486	5,369	6,372	50,849	69,072	18,223	----------
	1929	611	6,525	8,124	74,838	97,458	22,620	31,257
	1927	472	5,551	6,786	63,620	83,001	19,381	24,676
Nebraska	1935	1,154	20,052	21,302	192,127	255,445	63,319	----------
	1933	992	19,483	18,872	138,873	194,310	55,438	----------
	1931	1,270	23,289	28,249	212,063	290,642	78,579	----------
	1929	1,483	27,933	36,648	359,378	478,330	118,952	168,542
	1927	1,277	26,110	34,296	326,917	420,296	93,379	141,506
Kansas	1935	1,508	34,295	36,542	354,557	468,690	114,134	----------
	1933	1,272	32,608	31,143	220,248	317,098	96,850	----------
	1931	1,563	36,000	43,676	272,965	396,832	123,866	----------
	1929	1,899	47,311	63,277	545,082	750,067	204,985	298,191
	1927	1,767	45,368	59,925	518,141	681,570	163,429	279,426
South Atlantic:								
Delaware	1935	343	17,833	17,197	47,764	86,452	38,688	----------
	1933	328	15,825	13,935	34,424	70,411	35,986	----------
	1931	382	17,201	18,829	46,662	91,128	44,466	----------
	1929	459	23,551	29,061	80,466	149,606	69,140	114,957
	1927	446	21,324	25,222	69,033	129,900	60,867	103,166
Maryland	1935	2,697	119,675	111,412	441,355	757,852	316,497	----------
	1933	2,476	100,236	82,563	278,374	518,707	240,333	----------
	1931	2,830	107,770	107,813	361,791	663,728	301,937	----------
	1929	3,210	130,896	148,598	689,249	1,108,721	419,472	658,478
	1927	3,205	126,700	141,903	564,120	943,411	379,290	579,713
District of Columbia.	1935	493	8,917	13,241	28,075	74,010	45,936	----------
	1933	386	7,969	11,185	20,860	61,284	40,424	----------
	1931	485	8,612	13,988	27,621	76,929	49,307	----------
	1929	540	9,689	15,451	33,923	86,076	52,152	44,684
	1927	503	9,519	15,669	36,099	90,390	54,291	39,471
Virginia	1935	2,283	121,867	96,553	457,529	719,898	262,370	----------
	1933	1,864	100,673	70,444	302,640	509,196	206,556	----------
	1931	2,242	101,582	89,845	338,977	598,738	259,761	----------
	1929	3,252	119,110	117,576	353,031	730,470	377,439	642,196
	1927	2,432	114,918	110,378	346,166	671,347	325,181	503,726

No. 793.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
South Atlantic—Contd.								
West Virginia	1935	1,045	77,550	80,307	200,168	373,310	173,142	----------
	1933	887	67,950	60,400	128,092	262,467	134,375	----------
	1931	1,120	64,665	73,880	149,137	309,840	160,703	----------
	1929	1,483	85,289	115,259	260,694	512,011	251,316	650,129
	1927	1,313	77,630	103,431	252,884	455,217	202,332	546,440
North Carolina	1935	2,632	229,534	152,037	[2] 734,021	1,111,978	377,957	----------
	1933	2,084	200,202	113,523	[2] 558,713	877,853	319,140	----------
	1931	2,543	178,908	118,563	[2] 642,669	1,024,178	381,509	----------
	1929	3,778	209,343	160,719	[3] 615,632	1,308,035	[3] 692,402	838,415
	1927	2,984	204,590	158,394	[3] 560,819	1,154,647	[3] 593,827	810,798
South Carolina	1935	1,137	109,842	67,554	184,434	300,957	116,524	----------
	1933	888	104,336	54,761	140,822	257,344	116,522	----------
	1931	1,035	86,947	50,904	115,927	225,026	109,099	----------
	1929	1,651	108,706	73,197	226,039	385,144	159,105	527,111
	1927	1,059	108,992	74,478	206,772	358,334	151,562	478,245
Georgia	1935	2,858	142,968	85,570	327,843	523,295	195,451	----------
	1933	2,223	128,736	67,415	216,877	386,211	169,334	----------
	1931	2,812	118,466	74,616	252,283	433,627	181,344	----------
	1929	4,143	157,853	110,136	421,614	715,188	293,573	637,703
	1927	3,175	154,168	108,118	360,262	609,918	249,656	565,899
Florida	1935	1,920	53,412	33,434	76,631	162,677	86,046	----------
	1933	1,474	44,878	24,450	50,943	116,280	65,337	----------
	1931	1,651	49,918	34,309	67,786	153,795	86,009	----------
	1929	2,183	64,677	54,424	92,297	226,364	134,067	191,774
	1927	1,912	61,219	56,672	91,716	218,790	127,075	177,580
East South Central:								
Kentucky	1935	1,637	67,456	62,686	291,988	470,901	178,913	----------
	1933	1,274	56,085	44,292	174,568	297,808	123,240	----------
	1931	1,606	56,155	54,350	167,320	296,859	129,539	----------
	1929	2,227	77,720	88,537	264,275	499,747	235,472	354,258
	1927	1,851	74,912	83,859	250,633	447,765	197,132	318,755
Tennessee	1935	2,011	116,624	86,714	303,764	531,338	227,575	----------
	1933	1,561	94,909	60,871	184,090	357,028	172,939	----------
	1931	1,922	92,306	73,829	233,205	440,387	207,182	----------
	1929	2,832	128,057	115,606	397,382	717,070	319,688	605,123
	1927	2,098	114,968	101,198	351,436	614,041	262,604	475,243
Alabama	1935	1,730	97,710	64,884	211,500	364,310	152,810	----------
	1933	1,358	84,966	48,417	139,741	253,211	113,470	----------
	1931	1,621	84,340	61,451	170,337	320,838	150,502	----------
	1929	2,826	119,206	101,870	299,027	556,542	257,514	783,446
	1927	2,355	119,093	105,489	317,493	550,372	232,879	779,156
Mississippi	1935	1,062	36,852	19,941	70,939	121,931	50,992	----------
	1933	746	27,823	13,636	37,161	72,547	35,386	----------
	1931	904	28,875	18,892	56,844	102,751	45,907	----------
	1929	1,899	52,049	42,173	112,918	219,975	107,057	252,439
	1927	1,333	50,569	40,734	105,559	196,641	91,081	214,232
West South Central:								
Arkansas	1935	1,072	30,511	18,942	74,451	122,448	47,997	----------
	1933	819	25,955	14,039	44,263	81,105	36,842	----------
	1931	1,005	25,105	18,977	53,286	97,552	44,267	----------
	1929	1,718	44,121	39,442	115,324	209,270	93,947	222,721
	1927	1,146	40,032	35,288	103,815	182,751	78,936	183,041
Louisiana	1935	1,622	62,864	46,494	290,620	436,232	145,612	----------
	1933	1,314	53,052	35,643	194,051	312,175	118,125	----------
	1931	1,570	56,504	47,647	249,696	378,573	128,876	----------
	1929	1,950	86,843	83,506	430,455	674,259	243,804	479,449
	1927	1,624	82,415	79,673	427,994	638,361	210,367	415,582
Oklahoma	1935	1,345	25,128	25,536	203,901	282,658	78,758	----------
	1933	1,155	22,504	20,747	125,425	191,414	65,988	----------
	1931	1,304	22,479	26,177	148,857	216,581	67,724	----------
	1929	1,640	31,549	41,152	303,483	451,911	148,428	222,355
	1927	1,373	27,932	35,785	269,418	371,718	102,300	185,480

[2] Includes internal-revenue tax paid by tobacco manufacturers amounting to $239,125,000 for 1931, $205,689,000 for 1933, and $242,158,000 for 1935.

[3] The "Cost of materials" does not include internal-revenue tax paid by tobacco manufacturers and the "Value added by manufacture" for these years is, therefore, overstated by the amount of such tax.

No. 793.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
West South Central—Continued.								
Texas	1935	4,191	104,792	97,112	765,856	1,072,566	306,711	----------
	1933	3,648	91,374	73,427	449,445	686,752	237,307	----------
	1931	4,251	93,695	98,372	563,618	832,683	269,065	----------
	1929	5,112	132,293	150,907	973,097	1,427,022	453,925	819,546
	1927	4,065	116,763	130,409	842,927	1,206,580	363,653	635,455
Mountain:								
Montana	1935	486	9,539	11,742	93,733	124,778	31,045	----------
	1933	386	8,244	8,800	54,314	75,058	20,744	----------
	1931	471	9,582	12,668	73,669	103,578	29,909	----------
	1929	585	14,860	24,202	209,645	270,826	61,181	197,731
	1927	565	14,242	20,915	151,792	203,503	51,712	188,390
Idaho	1935	459	10,537	11,985	41,967	67,550	25,583	----------
	1933	347	7,682	7,082	27,093	45,065	17,971	----------
	1931	436	9,390	11,272	32,788	55,722	22,934	----------
	1929	559	15,644	22,446	51,751	96,198	44,448	105,762
	1927	470	13,513	18,971	47,927	86,256	38,329	89,830
Wyoming	1935	212	4,243	5,733	30,923	45,290	14,367	----------
	1933	160	3,833	5,005	26,484	35,205	8,720	----------
	1931	205	4,808	7,879	37,256	52,744	15,488	----------
	1929	248	6,258	10,255	62,720	96,348	33,628	46,677
	1927	229	5,577	9,066	63,741	85,368	21,627	40,191
Colorado	1935	1,175	23,161	24,469	109,422	176,581	67,160	----------
	1933	1,067	21,287	20,060	74,332	135,868	61,537	----------
	1931	1,346	24,703	29,540	105,849	181,427	75,578	----------
	1929	1,534	32,757	43,503	180,967	302,389	121,422	233,162
	1927	1,483	32,001	43,194	173,277	278,221	104,944	254,530
New Mexico	1935	199	3,545	3,094	8,231	15,301	7,069	----------
	1933	160	2,996	2,333	4,843	9,580	4,737	----------
	1931	196	2,842	3,575	6,971	13,269	6,298	----------
	1929	250	4,476	5,565	10,419	21,697	11,278	23,147
	1927	200	4,653	5,421	10,056	20,183	10,127	21,467
Arizona	1935	279	4,965	5,321	39,216	55,929	16,713	----------
	1933	223	4,181	4,153	16,057	28,574	12,487	----------
	1931	292	6,295	8,011	37,954	63,075	25,121	----------
	1929	348	10,550	15,075	167,714	200,002	32,289	180,637
	1927	300	8,967	12,133	77,799	117,624	39,825	100,641
Utah	1935	543	11,524	11,196	80,899	115,923	35,023	----------
	1933	440	10,213	9,299	49,363	80,968	31,605	----------
	1931	573	10,747	12,498	63,678	95,781	32,103	----------
	1929	646	15,586	19,683	157,622	214,266	56,644	123,665
	1927	556	13,585	16,689	120,567	163,118	42,551	112,233
Nevada	1935	85	1,501	2,062	8,180	15,931	7,752	----------
	1933	86	1,417	1,763	5,254	9,172	3,918	----------
	1931	108	1,562	2,516	7,057	10,891	3,835	----------
	1929	123	2,200	3,585	25,652	33,717	8,065	27,197
	1927	116	2,419	3,915	14,440	26,816	12,375	21,974
Pacific:								
Washington	1935	2,865	81,780	86,745	270,514	478,385	207,871	----------
	1933	2,307	67,752	62,117	170,613	331,225	160,612	----------
	1931	2,877	70,849	83,691	221,273	414,742	193,469	----------
	1929	3,648	114,635	160,415	424,161	789,508	365,348	814,341
	1927	3,344	104,468	145,931	389,885	677,914	288,029	680,408
Oregon	1935	1,722	52,216	53,070	144,964	265,437	120,474	----------
	1933	1,358	41,052	34,787	87,570	174,124	86,553	----------
	1931	1,699	42,180	47,411	118,881	229,097	110,216	----------
	1929	2,450	65,390	86,728	202,483	408,160	205,676	417,737
	1927	1,779	57,179	75,717	187,771	342,852	155,081	339,511
California [4]	1935	10,383	246,223	275,338	1,332,811	2,159,434	826,623	----------
	1933	8,429	191,861	191,888	878,800	1,488,181	609,381	----------
	1931	9,936	203,491	264,222	1,053,625	1,816,960	763,335	----------
	1929	11,893	289,550	421,470	1,706,479	3,044,297	1,337,818	1,562,481
	1927	10,066	262,816	378,321	1,504,655	2,593,247	1,088,592	1,339,695

[4] Data for the motion-picture industry, removed from the manufactures-census classification beginning 1931, are included for the earlier years as follows: Establishments, 1927, 78; 1929, 58; wage earners, 1927, 6,614; 1929, 8,052; wages, 1927, $15,514,000; 1929, $19,583,000; cost of materials, etc., 1927, $21,620,000; 1929, $25,499,000; value of products (cost of production), 1927, $101,045,000; 1929, $129,391,000; value added by manufacture, 1927, $79,424,000; 1929 $103,892,000; horsepower, 1927, 27,906; 1929, 45,059. California is the only State in which this industry contributed more than a fraction of 1 percent of the total value of products. For complete statistics for the motion picture production industry, see table 823, p. 804.

Source: Bureau of the Census, Dept. of Commerce.

No. 794.—MANUFACTURES FOR INDUSTRIAL AREAS

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 area—Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N.Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J.; Philadelphia 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. 749.

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

Area	Wage earners (average for the year)		Wages		Value of products		Value added by manufacture	
	1933	1935	1933	1935	1933	1935	1933	1935
United States	8, 055, 736	7, 378, 845	5, 261, 576	7, 545, 338	31, 358, 840	45, 759, 763	14, 538, 018	19, 496, 269
Total for areas	3, 296, 269	4, 089, 857	3, 190, 810	4, 643, 628	18, 847, 586	27, 619, 084	8, 993, 189	12, 224, 700
Akron area	43, 921	49, 898	46, 962	70, 427	236, 627	366, 103	135, 867	173, 887
Albany-Schenectady-Troy area	34, 000	40, 210	31, 961	43, 897	144, 619	214, 143	78, 827	116, 005
Allentown-Bethlehem area	42, 230	48, 818	29, 914	42, 127	140, 419	190, 603	71, 563	98, 344
Baltimore area	72, 634	86, 088	63, 924	86, 180	419, 870	627, 326	187, 782	258, 864
Boston area	203, 064	230, 277	190, 852	240, 707	993, 233	1, 248, 094	511, 487	589, 737
Bridgeport-New Haven-Waterbury area	97, 748	123, 074	85, 376	125, 379	366, 600	535, 353	201, 594	290, 146
Buffalo area	69, 744	83, 378	71, 281	100, 229	510, 055	758, 704	228, 674	275, 175
Chicago area	332, 862	429, 517	341, 564	506, 220	2, 186, 230	3, 377, 129	1, 014, 555	1, 452, 739
Cincinnati area	68, 257	86, 941	64, 608	97, 927	396, 242	625, 780	175, 489	257, 050
Cleveland area	113, 611	140, 090	107, 798	165, 933	563, 757	862, 498	272, 254	405, 732
Dayton area	29, 739	34, 336	29, 445	43, 130	142, 554	204, 934	94, 955	121, 513
Detroit area	202, 950	331, 505	218, 715	466, 685	1, 344, 855	2, 675, 195	580, 645	1, 037, 974
Hartford area	43, 379	55, 225	37, 984	59, 938	138, 310	216, 690	88, 930	135, 444
Indianapolis area	31, 286	36, 828	28, 466	39, 493	168, 140	238, 388	87, 737	112, 848
Kansas City (Missouri and Kansas) area	33, 648	38, 787	32, 679	43, 142	323, 350	479, 668	103, 265	125, 747
Los Angeles area	70, 531	96, 499	70, 847	109, 049	538, 171	844, 006	220, 556	324, 685
Milwaukee area	80, 041	101, 734	72, 086	117, 419	383, 687	613, 652	195, 416	294, 733
Minneapolis-St. Paul area	42, 991	49, 791	40, 481	53, 721	309, 974	444, 815	138, 488	174, 974
New York City area	620, 814	778, 151	665, 160	899, 211	4, 284, 826	5, 739, 067	2, 168, 049	2, 754, 417
Philadelphia area	261, 599	316, 940	248, 138	340, 340	1, 397, 414	1, 895, 766	689, 237	861, 005
Pittsburgh area	143, 421	179, 320	126, 944	201, 180	654, 017	1, 049, 319	270, 031	457, 423
Providence-Fall River-New Bedford area	136, 648	142, 661	108, 500	128, 822	446, 069	536, 467	227, 620	257, 790
Reading area	35, 745	42, 328	27, 848	40, 693	94, 142	124, 949	52, 296	68, 882
Rochester area	37, 864	44, 903	36, 384	50, 878	176, 322	241, 628	114, 389	138, 708
St. Louis area	102, 354	116, 683	92, 396	122, 835	664, 584	887, 734	294, 473	347, 729
San Francisco-Oakland area	66, 313	78, 690	71, 109	93, 715	598, 291	829, 371	232, 029	294, 880
Scranton-Wilkes-Barre area	35, 030	34, 882	24, 881	28, 279	96, 879	111, 857	53, 837	50, 020
Seattle-Tacoma area	26, 386	31, 875	25, 836	35, 871	148, 079	224, 160	68, 959	89, 019
Springfield-Holyoke area	34, 824	40, 537	31, 782	42, 837	141, 170	196, 715	77, 828	100, 481
Toledo area	26, 657	37, 917	26, 252	44, 984	161, 721	262, 188	69, 519	127, 233
Wheeling area	38, 132	47, 807	36, 794	54, 281	169, 898	258, 702	67, 242	102, 226
Worcester area	63, 523	73, 627	55, 800	75, 329	228, 961	306, 008	122, 282	155, 515
Youngstown area	54, 322	61, 326	48, 042	72, 769	278, 519	432, 869	97, 312	164, 777

Source: Bureau of the Census, Department of Commerce.

No. 795.—INDEXES OF INDUSTRIAL PRODUCTION

NOTE.—Monthly average, 1923-25=100. The manufactures index covers 47 industries. The minerals index covers 7 industries beginning with 1932, 8 prior thereto, including also copper (mined and smelted). The monthly indexes in this table and those in table 796 have been adjusted for seasonal variations and for the varying number of working days in the month

Year	Total	Manufactures	Minerals	Year and month	Total	Manufactures	Minerals	Year and month	Total	Manufactures	Minerals
1919	83	84	77	1936:				1937—Con.			
1920	87	87	89	January	97	96	104	May	118	118	117
1921	67	67	70	February	94	92	111	June	114	114	115
1922	85	86	74	March	93	93	97	July	114	114	112
1923	101	101	105	April	101	100	106	August	117	117	113
1924	95	94	96	May	101	101	103	September	111	110	116
1925	104	105	99	June	104	105	100	October	102	101	113
1926	108	108	108	July	108	109	102	November	88	85	109
1927	106	106	107	August	108	110	99	December	84	79	115
1928	111	112	106	September	109	110	102	1938:			
1929	119	119	115	October	110	111	105	January	80	76	108
1930	96	95	99	November	114	115	112	February	79	75	103
1931	81	80	84	December	121	121	117	March	79	75	103
1932	64	63	71	1937:				April	77	73	101
1933	76	75	82	January	114	115	111	May	76	73	91
1934	79	78	86	February	116	116	116	June	77	74	92
1935	90	90	91	March	118	117	128				
1936	105	105	105	April	118	118	115				
1937	110	109	115								

No. 796.—MANUFACTURING PRODUCTION: INDEXES FOR SELECTED GROUPS OF INDUSTRIES

NOTE.—Monthly average, 1923-25=100. See headnote, table 795. In computing the indexes, the individual products and industries have been weighted in accordance with their relative importance

Year and month	Total [1]	Iron and steel	Textiles	Slaughtering and meat packing	Newsprint production	Lumber, cut	Automobiles	Leather and products	Cement	Plate glass	Petroleum refining	Rubber tires and tubes	Tobacco products
1919	84	82	92	92	92	84	50	104	54	(2)	54	(2)	82
1920	87	99	84	82	101	86	58	97	67	(2)	64	(2)	87
1921	67	46	87	80	82	72	41	90	66	(2)	64	55	85
1922	86	82	99	88	97	87	66	102	76	(2)	74	77	89
1923	101	105	105	102	99	101	102	108	92	90	86	86	96
1924	94	89	91	104	98	98	91	95	100	92	99	98	99
1925	105	106	104	94	103	101	107	97	108	118	115	116	105
1926	108	113	104	92	112	98	108	99	110	130	127	116	112
1927	106	104	113	93	99	92	86	103	115	112	136	120	118
1928	112	119	107	96	94	91	110	102	118	132	152	144	124
1929	119	130	115	94	93	91	135	104	114	152	168	135	134
1930	95	94	91	90	86	64	85	92	108	107	161	100	131
1931	80	60	94	91	78	41	60	90	84	88	155	96	123
1932	63	31	83	89	68	25	35	85	51	53	140	78	111
1933	75	53	97	97	63	32	48	97	43	91	145	88	116
1934	78	60	85	110	64	32	69	100	52	94	151	92	128
1935	90	79	104	76	61	(2)	99	109	51	181	164	97	135
1936	105	110	111	92	62	(2)	112	115	75	199	182	115	152
1937	109	118	111	84	63	(2)	121	113	78	194	202	109	159
1937													
January	115	139	124	87	63	(2)	120	137	86	77	189	123	165
February	116	129	127	86	62	(2)	120	134	85	244	194	133	168
March	117	126	128	89	64	(2)	121	132	93	229	190	132	153
April	118	130	124	93	62	(2)	130	131	87	241	195	133	158
May	118	134	123	76	62	(2)	135	133	78	223	200	132	155
June	114	119	126	77	61	(2)	130	119	74	260	202	123	150
July	114	140	111	70	64	(2)	129	115	75	206	206	102	164
August	117	142	115	78	65	(2)	157	109	73	216	207	93	159
September	110	125	108	87	65	(2)	135	98	73	199	216	106	162
October	101	100	91	89	63	(2)	142	89	79	179	217	94	155
November	85	68	80	86	64	(2)	92	81	76	151	211	75	155
December	79	49	77	86	63	(2)	78	86	71	108	201	66	170
1938													
January	76	52	75	92	57	(2)	65	94	59	62	200	67	157
February	75	50	80	86	53	(2)	61	102	57	35	194	57	157
March	75	49	81	83	53	(2)	54	104	65	42	191	62	160
April	73	50	74	84	46	(2)	54	104	67	42	196	64	159
May	73	47	77	84	53	(2)	49	104	69	44	197	65	163
June	74	46	87	81	51	(2)	46	90	69	80	192	72	154

[1] Includes industries not shown separately in this table. See also headnote, table 795.
[2] Comparable data not available; estimated figures are included with the total for manufactures.

Source of tables 795 and 796: Board of Governors of the Federal Reserve System.

No. 797.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry, are included. This involves considerable duplication in total value of products

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1933	1935	1929	1933	1935
COTTON MANUFACTURES							
Total value					1,503,162	861,595	1,035,827
Sheetings	Sq. yard	1,693,167	1,680,323	1,390,455	146,181	98,875	107,875
Print cloth	do	1,703,025	1,709,960	1,623,460	121,423	79,996	100,951
Voiles	do	157,449	77,901	32,665	13,407	4,969	2,554
Lawns, nainsooks, cambrics, and similar muslins.	do	226,554	205,441	215,399	25,419	19,058	15,447
Reps, poplins, and broadcloths.	do	308,620	456,328	370,489	40,555	35,942	36,786
Pajama checks, dimities, and similar fabrics.	do	122,109	55,389	22,990	13,085	3,809	1,780
Tobacco, cheese, butter, bunting and bandage cloths.	do	617,411	634,499	641,660	18,100	11,000	12,763
Ginghams	do	147,120	69,569	40,560	17,717	6,263	5,210
Shirtings	do	228,512	271,259	273,389	37,655	24,610	29,721
Drills	do	324,041	191,987	178,698	39,701	15,262	18,629
Twills and sateens	do	284,117	274,153	273,163	37,441	23,158	33,063
Denims	do	249,891	268,788	206,367	49,256	33,970	33,527
Tickings	do	42,411	47,285	56,574	9,280	6,358	8,047
Osnaburgs	do	145,745	130,887	141,372	18,210	9,209	15,220
Napped fabrics	do	323,140	377,791	297,706	48,329	34,072	31,253
Cottonades and other coverts (except shirting coverts).	do	34,838	57,892	45,967	8,357	9,296	8,057
Tire fabrics	Pound	250,503	117,780	118,304	111,721	31,754	39,939
Ducks (except tire)	Sq. yard	223,926	152,249	150,371	64,184	28,261	37,110
Tapestries	do	9,810	9,978	9,072	12,995	4,791	3,703
Plushes, velvets, velveteens	do	52,868	18,196	20,593	40,946	10,200	11,942
Corduroys	do	27,134	24,625	31,773	9,501	5,464	10,039
Towels, toweling, and washcloths.	do	169,694	149,933	176,695	33,037	22,487	33,957
Cotton table damask	do	35,868	15,818	15,341	8,383	2,837	3,320
Blankets (all cotton), including crib.	do	66,066	83,091	58,019	16,400	11,944	10,893
Bedspreads, etc	do	32,160	35,017	49,041	8,461	4,201	8,109
Cotton narrow fabrics					65,494	38,109	40,887
Yarns for sale	Pound	647,725	498,496	389,111	253,349	130,954	133,274
Thread	do	25,250	27,755	34,854	37,100	30,372	35,137
Cotton waste for sale	do	443,916	361,031	338,673	32,570	12,770	21,027
Other cotton products					164,905	111,604	185,607
LACE GOODS							
Total value					27,931	(1)	25,793
Nottingham lace curtains	Pair	6,113	(1)	[2] 9,572	11,250	(1)	11,328
Nottingham lace curtain nets	Lin. yard	14,313	(1)	[2] 4,886	4,075	(1)	1,148
Levers laces					8,756	(1)	9,980
Other lace products					3,250	(1)	3,337
KNIT GOODS							
Total value					881,176	487,402	592,834
Hosiery, except infants' [3]	Doz. pair	111,191	96,596	107,283	500,382	251,147	304,755
Infants' hose	do	6,175	6,143	5,490	11,244	6,976	6,081
Shirts and drawers	Dozen	8,802	10,414	10,650	37,670	25,780	28,955
Union suits	do	8,891	8,168	6,278	70,837	39,335	35,853
Bathing suits	do	1,021	833	990	22,084	11,349	14,551
Sweaters, sweater coats, jerseys, etc.	do	4,807	4,999	4,386	89,429	47,962	55,342
Headwear, except infants'	do	783	1,147	969	3,783	3,477	3,875
Neckties	do	628	56	425	1,717	219	1,019
Dresses and suits	Number	1,023	2,908	4,675	11,160	15,406	23,375
Jersey cloth and tricollette	Pound	[4] 75,521	31,204	38,131	45,375	23,370	25,230
Glove and shoe linings					4,655	1,323	1,274
Other knit products					82,840	61,060	92,524
SILK AND RAYON GOODS							
Total value					737,759	288,069	308,461
Broad goods	Sq. yard	612,125	570,695	1,037,494	523,272	195,075	239,333
All silk	do	424,607	201,438	[5] 239,476	385,773	77,112	[5] 69,666
All rayon	do	66,024	272,822	732,020	34,738	78,799	141,431
Rayon and cotton mixed [6]	do	37,241	46,955	8,631	16,616	11,574	1,684

For footnotes, see p. 785.

No. 797.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1933	1935	1929	1933	1935
SILK AND RAYON GOODS—con.							
Broad goods—Con.							
Velvets, except all-silk	Sq. yard	9,651	7,857	8,754	25,112	8,684	8,953
Plushes, except all-silk	do	1,957	1,061	1,463	3,830	764	1,080
Upholstery and tapestry	do	3,403	2,896	[7] 11,383	6,122	1,064	[7] 4,359
Other	do	69,242	37,666	35,769	51,080	17,078	12,159
Organzine, tram, and crepe twist for sale.	Pound	12,121	7,544	11,131	69,740	16,998	23,032
Spun silk for sale	do	3,769	1,080	1,400	12,916	2,505	2,434
Machine twist	do	515	271	470	4,822	1,350	1,968
Sewing, embroidery, and other floss silks.	do	335	193	662	2,864	1,449	2,262
Ribbons					25,008	10,847	9,918
Fringes and gimps					7,839	1,207	545
Braids					4,388	408	4,092
Other silk and rayon products					86,911	58,229	24,878
WOOLEN AND WORSTED GOODS [8]							
Total value [8a]					811,868	448,947	[9] 585,292
Suitings, dress goods, overcoatings, and cloakings [10]	Sq. yard	354,295	332,382	429,656	432,258	247,840	350,440
All-wool woolen	do	135,354	145,612	148,611	155,938	96,829	124,231
All-wool worsted	do	166,211	134,091	157,562	238,669	124,686	157,801
Woolen or worsted made with cotton or manipulated warps.	do	52,730	52,679	123,483	37,651	26,325	68,408
Domett flannels and shirtings	do	14,899	(1)	6,837	5,778	(1)	4,089
Blankets, all wool	do	18,095	13,043	19,560	15,831	9,440	13,295
Blankets, part wool	do	56,059	36,308	39,105	19,615	8,522	10,242
Auto cloths, all or part wool	do	(11)	(11)	43,747	(11)	(11)	44,925
Upholstery and drapery fabrics (except auto cloth).	do	(11)	(11)	13,016	(11)	(11)	13,768
Yarns for sale [8a]	Pound	159,473	135,440	97,402	199,758	111,977	101,620
Noils and wool waste for sale [8a]	do	46,368	41,517	30,382	15,597	9,468	8,429
Other woolen and worsted goods, incl. mixed fabrics.					123,031	61,700	[9] [12] 38,485
FELT GOODS							
Total value [8a]					42,294	25,598	(11)
Felt cloths (woven)	Pound	7,075	5,544	(9)	17,113	11,961	(9)
Trimming and lining felts	do	6,147	4,039	5,067	3,889	1,969	2,722
Shoe and slipper felts	do	5,148	(13)	7,841	2,982	(13)	3,309
Boot and shoe linings	do	1,607	(13)		1,183	(13)	
Carpet linings and cushions	do	21,613	28,073	38,928	4,462	2,820	5,766
Automotive felts	do	(11)	(11)	40,440	(11)	(11)	4,306
All other felts	do	65,106	69,671	135,735	12,665	8,848	7,309
HATS, WOOL-FELT							
Total value					8,031	(1)	10,161
Hats	Dozen	400	(1)	322	4,410	(1)	3,364
Hat bodies and hats in the rough.	do	501	(1)	1,803	3,621	(1)	6,797
CARPETS AND RUGS, WOOL							
Total value					174,286	70,104	104,686
Carpets	Sq. yard	27,385	14,053	24,481	61,788	21,815	43,658
Rugs, made of sewed strips	do	3,720	2,143	2,323	14,410	4,385	4,637
Rugs, woven whole	do	42,306	27,797	32,348	98,089	43,904	56,391
RECOVERED WOOL FIBER							
Recovered wool fiber, total	Pound	60,108	45,049	[14] 57,201	13,354	8,203	[14] 13,555
HATS, FUR-FELT							
Total value					95,278	(1)	54,409
Hats	Dozen	1,770	(1)	1,645	70,809	(1)	37,942
Hat bodies and hats in the rough	do	1,534	(1)	1,935	24,469	(1)	16,467
FLOOR COVERING AND OIL CLOTH							
Total value					109,327	(1)	60,497
Oilcloth (cotton back) [15]	Sq. yard	125,677	(1)	80,355	23,640	(1)	10,948
Linoleum (jute back)	do	48,272	(1)	24,453	48,744	(1)	18,289
Floor covering (felt back)	do	117,970	(1)	128,043	36,943	(1)	31,260
ARTIFICIAL LEATHER							
Total value					31,346	(1)	22,431
Pyroxylin coated	Sq. yard	65,029	(1)	60,823	30,441	(1)	18,351
Other than pyroxylin coated	do	862	(1)	5,835	891	(1)	3,391
Kind not specified					14	(1)	688

For footnotes, see p. 785.

No. 797.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1933	1935	1929	1933	1935
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
Total value					135,989	61,373	72,182
Rope, cable, and cordage:							
Manila hemp	Pound	114,476	63,264	75,390	22,171	7,655	9,050
Sisal	do	27,381	13,669	7,539	3,972	1,240	604
Henequen	do	16,120	6,500		2,447	555	
Cotton	do	28,096	27,147	22,671	8,209	5,598	6,231
Other	do	18,031	1,064	5,973	2,670	189	992
Twine, binder [16]	do	178,605	142,614	108,811	18,395	6,991	6,630
Twine, cotton	do	85,938	59,076	50,733	28,991	12,038	13,948
Twine, other	do	114,674	90,083	113,683	18,316	9,167	12,438
Yarns for sale	do	07,935	65,080	86,182	15,467	7,358	11,023
Linen thread	do	3,103	2,574	2,653	4,510	2,375	3,142
Linen and part linen woven goods	Sq. yard	9,430	10,686	8,917	3,365	2,359	2,394
Jute bagging	do	27,863	64,893	34,974	3,129	3,374	2,461
Other products					4,257	2,474	3,269

[1] No data. [2] Equivalent pair or linear yards; reported in racks.
[3] Excludes athletic and golf hose which are included with "Other knit products."
[4] Square yards; equivalent pounds not available.
[5] Includes 45,376 square yards value, $78,093, of all silk velvets and plushes combined to avoid disclosures.
[6] Not including production in cotton mills. [7] Includes draperies.
[8] Data for 1935 represent goods sold; for prior years they represent goods produced. The quantities of goods produced in 1935 (corresponding value not collected) are as follows: Total for suitings, dress goods, etc., 452,126,000 square yards; domett flannels and shirtings, 6,954,000 square yards; blankets (all wool), 19,974,000 square yards; blankets (part wool), 39,348,000 square yards; auto cloths, 46,969,000 square yards; upholstery and drapery fabrics except auto cloths, 13,048,000 square yards; yarns for sale, 96,313,000 pounds (in addition, 17,294,000 pounds were produced on commission and 363,488,000 pounds for own use); and noils and wool waste for sale, 34,086,000 pounds.
[8a] Because of change in questionnaire, figures for 1935 not comparable with earlier years.
[9] Woven felts, formerly with felt goods, are now reported with woolen woven goods and here included with "Other woolen and worsted goods." Woven felts produced, 5,212,000 pounds, valued at $12,180,000.
[10] Data for other suitings, such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in the figures for "Other woolen and worsted goods." [11] No comparable data.
[12] Contains small amount for coatings not reported separately to avoid disclosures.
[13] Included with "All other felts" to avoid disclosures.
[14] In addition to this amount, 47,546,022 pounds of recovered wool fiber, for which value was not reported, was produced for sale, for others on commission, or for own use by the plants reporting.
[15] Data for small amount made on a paper base included to avoid disclosures.
[16] Not including binder twine made in penal institutions as follows: For 1929, 47,322,550 pounds; 1931, 52,161,200 pounds; 1933, 57,135,737 pounds; 1935, 57,354,950 pounds.

No. 798.—BOOTS AND SHOES (OTHER THAN RUBBER): Production

Note.—In thousands of pairs. Detailed value data were not collected at the censuses. For total value of products of the industry see table 792, p. 766. Data for 1925 to 1937 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

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	11,056	(6)	(5)	28,042
1925	323,553	86,546	21,021	104,782	38,691	24,537	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	(6)	34,994	5,954
1931	316,240	77,420	20,047	112,603	34,308	18,546	1,708	4,750	2,955	35,717	8,186
1932	313,290	74,493	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	1,485	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	2,892	3,569	51,311	14,301
1937	411,969	102,895	17,481	148,798	39,791	22,786	2,576	8,551	14,541	48,294	6,254

[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 804, p. 791.
[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 of tables 797 and 798: Bureau of the Census, Department of Commerce.

No. 799.—LEATHER: Production by Principal Types of Raw Stock

[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
1926	21, 500	15, 742	49, 777	31, 668	1932	14, 583	11, 580	37, 014	28, 841
1927	21, 820	16, 984	50, 736	35, 859	1933	17, 115	13, 049	44, 312	33, 881
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, 465
1930	17, 675	14, 171	55, 445	30, 393	1936	22, 628	13, 127	47, 450	37, 942
1931	16, 234	12, 438	48, 637	32, 443	1937	22, 380	12, 027	46, 554	34, 232

No. 800.—LEATHER: Production by Principal Kinds

Product and unit of quantity	Quantity [1]			Value (thousands of dollars) [1]		
	1929	1931	1935	1929	1931	1935
Total value				458, 308	253, 682	292, 617
Sole and belting leather				139, 496	76, 102	89, 679
Oak and union sole ... 1,000 backs, bends, sides	13, 750	11, 746	16, 005	93, 912	55, 030	61, 960
Chrome and combination sole ... do	596	447	1, 187	3, 994	2, 175	4, 246
Belting butts, rough and curried ... 1,000 butts and butt bends	1, 375	636	961	17, 922	5, 704	8, 130
Offal (heads, bellies, shoulders, etc.) ... 1,000 pounds	94, 643	86, 161	91, 542	23, 668	13, 193	15, 343
Harness leather				6, 092	2, 166	4, 366
Union black ... 1,000 sides	284	96	207	2, 476	513	968
Oak-black and russet ... do	461	279	606	3, 616	1, 653	3, 398
Bag, case, and strap leather ... do	1, 055	787	1, 106	7, 308	3, 656	5, 624
Skirting and lace leather ... do	206	158	188	1, 509	831	930
Collar leather ... do	363	180	318	1, 554	627	1, 104
Welting leather ... 1,000 pounds	(2)	2, 077	5, 623	(2)	712	1, 956
Upholstering leather (automobile, furniture, and carriage)				15, 401	5, 200	6, 231
Whole-hide grains and machine-buffed ... 1,000 hides	(3)	(3)	424	(3)	(3)	4, 369
Splits (main and second) ... 1,000 pieces	(3)	(3)	375	(3)	(3)	1, 745
Russet buffings ... 1,000 hides	255	138	31	1, 437	555	117
Upper leather (other than patent)				(2)	(2)	127, 315
Cattle (including kip side) ... 1,000 sides	12, 304	12, 514	20, 969	51, 963	32, 536	51, 929
Kip (except kip side) ... 1,000 skins	1, 317	268	12, 800	5, 766	1, 104	28, 815
Calf ... do	12, 933	10, 276		43, 356	26, 031	
Goat and kid ... do	50, 149	34, 978	42, 157	64, 660	37, 285	36, 925
Cabretta ... do	(2)	(2)	1, 204	(2)	(2)	1, 297
Kangaroo and wallaby ... do	892	1, 156	942	1, 439	1, 048	1, 269
Deer and elk ... do	(3)	693	1, 265	(3)	1, 114	1, 878
Finished splits ... 1,000 pieces	(3)	(3)	3, 402	(3)	(3)	1, 948
Other				2, 494	1, 182	3, 253
Patent upper leather				(3)	(3)	5, 068
Lining leather				(3)	(3)	9, 081
Sheep and lamb—shoe stock ... 1,000 skins	(3)	(3)	9, 627	(3)	(3)	5, 621
Goat and kid ... do	(3)	(3)	3, 010	(3)	(3)	2, 353
Other				(3)	(3)	1, 107
Glove and garment leather				23, 025	16, 729	18, 129
Cattle—bellies ... 1,000 pounds	(2)	(3)	2, 984	(3)	509	332
Horse, colt, ass, and mule:						
Half and whole fronts ... 1,000 equivalent half fronts	1, 856	1, 509	1, 486	6, 379	3, 261	3, 000
Butts and shanks				632	423	500
Sheep and lamb (exc. shearlings) ... 1,000 skins	5, 618	9, 039	13, 448	7, 449	6, 835	8, 948
Shearlings ... do	3, 027	2, 000	2, 376	5, 405	1, 737	3, 173
Other				3, 160	3, 963	2, 170
Fancy and bookbinders' leather				16, 390	10, 495	6, 263
Sheep and lamb and cabretta ... 1,000 skins	3, 972	2, 814	1, 573	6, 186	2, 992	1, 335
Calf and kip ... do	496	249	732	1, 994	743	1, 781
Other				8, 210	6, 759	3, 147
Side splits, finished (other than wax and finished upper and upholstery) ... 1,000 side splits	(2)	(2)	17, 230	(2)	(2)	7, 176
Other leather				77, 854	36, 864	9, 696

[1] Comparable figures for 1933 are not available. See the last paragraph of general note, p. 749.
[2] Data either incomplete, withheld to avoid disclosing operations of individual establishments, or no comparable data; value included with "Other leather."
[3] No comparable data or data not collected.

Sources: Table 799, Tanners' Council of America; table 800, Bureau of the Census, Dept. of Commerce.

No. 801.—CHEMICALS: Quantity and Value of Production

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	1929	1933	1935	1929	1933	1935
Total value					(1)	489,977	645,867
Acetates [2]					(1)	11,407	13,217
Amyl	Gallon	181	608	1,026	312	442	789
Butyl	do	4,524	3,763	5,631	5,680	2,578	3,687
Calcium [3]	Ton	58	26	26	4,695	1,166	826
Ethyl	Gallon	10,932	5,082	5,563	9,007	2,660	2,679
Acids [2]					91,688	50,657	65,390
Acetic (basis 100 percent) [4]	Pound	60,364	65,150	101,501	6,890	4,303	5,455
Boric (boracic)	do	26,055	21,613	28,738	1,541	845	1,246
Chromic	do	4,212	4,969	6,723	710	537	888
Citric [5]	do	10,756	5,696	10,493	4,833	1,795	2,768
Hydrochloric	Ton	63	45	55	3,195	2,387	3,048
Mixed (sulphuric-nitric)	do	64	42	46	4,214	1,883	2,105
Nitric	do	33	30	25	3,495	2,428	2,143
Oleic	Pound	56,948	(1)	43,763	5,375	(1)	3,273
Oxalic	do	(1)	9,223	8,884	(1)	903	945
Phosphoric [6]	do	34,674	24,653	45,386	2,073	892	1,334
Stearic	do	39,154	(1)	27,438	5,488	(1)	2,777
Sulphuric [7] (basis 50° Baumé)	Ton	5,816	3,848	4,488	45,573	26,482	31,908
Tannic [5]	Pound	1,449	682	725	504	236	305
Tartaric	do	4,906	6,799	6,887	2,060	1,493	1,609
Alcohols:							
Methyl, synthetic	Gallon	(1)	8,793	[8] 13,359	(1)	1,680	[8] 3,611
Amyl, including refined fuel oil	Pound	(1)	(1)	5,101	(1)	24,122	568
Butyl	do	(1)	(1)	35,878	(1)		2,602
Ethyl and other alcohols [9]		(1)	(1)	(1)	(1)		36,299
Ammonia, anhydrous [10]	Pound	173,349	150,185	138,779	10,673	5,930	5,679
Ammonia, aqua and liquor (N. H_3 content).[11]	do	30,200	11,390	23,916	1,784	923	1,235
Bicarbonates and carbonates [2]					(1)	30,363	36,514
Sodium bicarbonate, refined (basis 100 percent).	Ton	140	129	137	4,062	3,586	3,658
Soda ash	do	1,814	1,654	1,872	34,649	24,183	28,425
Bromides					(1)	2,764	4,904
Calcium carbide	Ton	(1)	101	147	(1)	6,059	6,234
Calcium oxychloride (bleaching powder).[12]	do	93	28	40	3,351	921	909
Carbon bisulphide	Pound	71,010	90,179	117,758	2,860	3,283	3,385
Carbon tetrachloride	do	32,713	30,344	51,970	1,728	1,354	2,150
Chlorides [2]					(1)	15,647	17,350
Calcium (basis 73 to 75 percent) [13]	Ton	277	158	227	5,947	2,716	3,629
Sulphur	Pound	17,827	45,998	76,362	312	665	1,179
Tin-stannic	do	(1)	18,888	15,641	(1)	3,228	3,976
Ammonium (sal ammoniac)	do	(1)	(1)	34,865	(1)	(1)	1,584
Chromates and bichromates [2]					(1)	3,579	5,230
Sodium	Ton	39	29	42	5,137	3,281	4,763
Citrates					(1)	1,464	1,357
Coal-tar products [14]					130,652	107,273	120,582
Crudes [15]					26,370	16,985	19,173
Intermediates					25,594	21,443	29,360
Finished products [14]					78,688	68,845	72,048
Cyanides					(1)	3,205	4,430
Ester gum	Pound	(1)	(16)	21,373	(1)	(16)	1,482
Ether (ethyl)	do	6,464	7,421	7,915	1,897	1,385	1,305
Ferro-alloys, electric-furnace	Ton [17]	220	121	217	28,655	11,868	23,490
Glycerin, crude	Pound	28,700	22,161	24,043	2,358	1,191	2,366
Glycerin, refined	do	113,140	107,853	118,727	12,716	7,915	12,973
Hydroxides [2]					(1)	26,007	30,295
Potassium (caustic) [5]	Ton	7	9	10	638	868	1,260
Sodium (caustic)	do	725	645	720	36,089	24,478	28,134
Iodides [2]					(1)	1,309	745
Potassium	Pound	444	479	433	1,487	1,108	572
Modified sodas	Ton	59	22	29	1,783	776	1,140
Nitrates (except sodium) [2] [18]					(1)	2,359	3,322
Silver (lunar caustic)	Ounce	5,647	4,146	5,195	2,016	1,072	1,908
Ammonium	Pound	(1)	18,694	25,298	(1)	574	674

For footnotes, see p. 788.

No. 801.—CHEMICALS: QUANTITY AND VALUE OF PRODUCTION—Continued

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1929	1933	1935	1929	1933	1935
Oxides [2]					(1)	4,503	8,770
Aluminum	Ton	33	8	22	3,446	1,525	3,852
Tin	Pound	(1)	2,743	3,245	(1)	1,118	1,686
Peroxides [2]					(1)	2,966	3,859
Hydrogen (basis 100 volumes)	Pound	8,509	12,119	17,409	2,372	2,388	3,155
Phosphates [2]					(1)	11,486	14,190
Calcium	Ton	38	42	41	5,557	5,332	5,116
Sodium:							
Tribasic	do	82	80	87	5,009	3,684	3,862
Dibasic	do	64	38	35	3,956	1,396	1,338
Monobasic and pyro	do		3	5		540	833
Plastics					39,734	24,905	44,036
Nitrocellulose (pyroxylin)	Pound	16,991	10,096	13,341	17,266	7,799	10,682
Finished articles of nitrocellulose (pyroxylin) [19]					10,522	5,020	5,116
Cellulose acetate	Pound	(1)	2,875	10,395	11,946	2,246	7,986
Coal-tar resins	do		41,557	[20] 87,719		7,509	[20] 15,672
Other plastics and synthetic resins, including synthetic rubber						2,331	4,578
Sodium borate (borax)	Ton	92	94	106	3,280	3,163	3,693
Sodium hypochlorite [21]	do	27	32	51	2,016	2,073	4,305
Sodium silicate (liquid and solid) [22]	do	590	630	608	7,179	6,583	7,674
Sulphates [2]					(1)	16,826	21,497
Aluminum (concentrated alum)	Ton	345	322	348	8,039	6,600	7,748
Copper (blue vitriol)	Pound	78,669	56,070	54,759	4,345	1,408	2,002
Magnesium (epson salt)	Ton	37	37	38	1,405	1,234	1,117
Sodium:							
Glauber's salt	do	62	40	[23] 40	1,112	586	[23] 542
Hyposulphite (thiosulphate)	do	25	18	24	906	763	1,054
Niter cake	do	83	17	19	1,023	353	344
Salt cake (crude)	do	170	115	[24] 170	2,015	1,471	[24] 1,864
Sodium-aluminum (soda alum)	do	15	19	18	848	1,020	1,041
Zinc	Pound	24,904	29,797	37,466	698	512	721
Ammonium	do	11,853	(1)	192,459	240	(1)	2,073
Sulphides [2]					(1)	1,870	2,112
Sodium [25]	Ton	33	31	25	1,407	1,354	1,390
Sulphites					(1)	3,003	3,752
Sulphur, refined	Ton	78	49	48	3,066	1,736	1,650
Vanillin	Pound	(1)	196	237	(1)	777	685
Vitreous enamels ("frit")	do	(1)	39,853	73,397	4,512	2,587	4,400
Other chemicals					(1)	84,058	116,419

[1] Data incomplete, no comparable data, or data not available.
[2] Value includes data for items not shown separately.
[3] Production in 1935, basis 80 percent; for other years, as reported, regardless of strength.
[4] Synthetic, natural dilute, and glacial.
[5] Production in 1935, basis 100 percent; for earlier years, as reported, regardless of strength.
[6] Production in 1929 and 1933, basis 50 percent in part P_2O_5 and in part H_3PO_4; in 1935 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 1929 and 1935, but not in those for 1933.
[8] In addition, 3,648,000 gallons of refined natural methanol, valued at $1,149,000, was produced for sale in the "Wood distillation and charcoal manufacture" industry.
[9] The production of ethyl alcohol, as reported to the Bureau of Internal Revenue, Treasury Department, was 138,600,000 proof gallons in 1933 and 193,219,000 proof gallons in 1935.
[10] Includes production from ammonia liquor. Such production in 1935 amounted to 2,991,000 pounds valued at $388,699. Not reported separately for earlier years.
[11] Figures for 1935, but not for earlier years, include data for ammonia produced in "Manufactured gas" industry. For production in coke industry, see Bureau of Mines report, "Minerals Yearbook."
[12] Production in 1933 and 1935, basis 36 to 37 percent; for 1929, as reported, regardless of strength.
[13] Calcium chloride made by establishments engaged primarily in production of salt included for 1929 and 1933, but not for 1935. Such production in 1935 amounted to 8,044 tons, valued at $50,442.
[14] Figures for 1935 do not include color lakes included with "Paints, pigments, and varnishes" (table 802), nor certain other coal-tar chemicals, shown elsewhere in this table. Data for these classes of products are included with the figures for 1929 and 1933.
[15] Not including by-product crudes made in coke plants and gas works.
[16] Data incomplete; value included in that of "Other chemicals."
[17] Tons are of 2,240 pounds.
[18] Data for sodium nitrate withheld to avoid disclosing an approximation of the output of an individual establishment. Value included in that of "Other chemicals."
[19] Made in producing establishments in "Chemicals, not elsewhere classified" industry. Nitrocellulose articles are also made from purchased nitrocellulose plastics by establishments in other industries.
[20] Includes an indeterminable amount of materials used as fillers, such as wood flour, etc.
[21] Production in 1935, basis 15 percent; for other years, as reported, regardless of strength.
[22] Liquid basis 40°.
[23] Includes data for Glauber's salt refined from natural product.
[24] Includes data for natural salt cake made from brines.
[25] Production in 1935, basis 60 to 62 percent; for other years, as reported, regardless of strength.

Source: Bureau of the Census, Department of Commerce.

No. 802.—MISCELLANEOUS PRODUCTS INVOLVING 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)[1]				Value (thousands of dollars)[1]		
	Unit	1929	1931	1935	1929	1931	1935
BONE BLACK, CARBON BLACK, ETC.[2]							
Total value					22,401	10,230	15,454
Bone black	Pound	54,277	33,214	32,922	2,490	1,288	1,313
Carbon black (Bureau of Mines)	do	366,442	280,907	352,749	18,725	8,621	13,755
Lampblack	do	10,765	3,424	3,902	1,185	321	386
COMPRESSED AND LIQUEFIED GASES[2]							
Total value					71,293	62,484	67,142
Acetylene	Cu. ft	969,534	742,898	1,143,199	16,554	12,912	14,748
Carbon dioxide (not solid)	Pound	136,930	[3] 153,575	[3] 87,657	6,932	6,226	4,541
Chlorine, for sale	do	289,855	255,511	414,700	7,113	5,248	7,961
Hydrogen[4]	Cu. ft	207,843	493,518	743,860	1,423	957	1,557
Oxygen	do	3,140,095	2,050,377	2,683,859	23,410	16,411	18,126
Nitrous oxide (laughing gas)	Gallon	109,812	94,607	95,861	1,196	923	946
Dry ice (solid carbon dioxide)	Pound	(5)	84,954	165,124	14,665	2,900	3,246
Other gases						16,908	16,018
FERTILIZERS							
Total value					222,731	140,718	120,640
Complete fertilizers	Ton	5,992	4,545	4,202	168,838	110,173	93,092
Superphosphates, not ammoniated (including concentrated phosphates), for sale[6]	do	2,531	1,968	1,755	28,375	20,678	16,489
Other fertilizers	do	797	455	503	25,517	9,867	11,060
PAINTS, PIGMENTS, AND VARNISHES							
Total value					574,880	362,064	423,168
Pigments, colors, for sale	Pound	1,918,459	1,296,006	1,507,754	116,753	69,428	87,012
Paints in paste form	do	401,546	242,523	256,715	46,606	26,191	23,268
Ready mixed paints	Gallon	106,165	78,249	87,568	178,242	121,156	125,859
Water paints and kalsomine, dry or in paste	Pound	155,811	122,823	125,165	7,093	5,265	5,298
Plastic paints	do	(5)	14,561	13,220	(5)	1,393	781
Varnishes, japans, lacquers, enamels, and allied products					[7] 204,881	[7] 125,310	[7] 168,253
Quantity reported	Gallon	109,003	75,508	108,017	177,360	110,525	163,245
Fillers (liquid, paste, and dry)					2,637	1,211	1,159
Putty	Pound	99,163	69,907	71,841	4,253	2,992	2,872
Bleached shellac	do	11,140	10,731	12,525	5,431	2,619	2,425
Stains, varnish	Gallon	2,160	1,726	1,764	4,381	2,542	2,933
Stains, other	do	3,534	3,038	3,077	4,541	3,957	3,309
SOAP							
Total value					286,757	238,062	223,809
Bar soap:							
Toilet soap	Pound	324,384	305,638	352,976	59,983	53,004	53,325
Laundry soap	do	1,465,183	1,431,104	1,134,065	91,950	68,385	51,340
Granulated, powdered, and sprayed soap	do	337,291	421,804	503,118	35,725	40,977	45,284
Soap chips and flakes	do	387,925	351,077	458,935	41,764	30,353	36,329
Washing powders	do	505,529	262,711	219,048	23,387	12,059	7,746
Cleansers and scouring powders containing soap	do		164,067	233,587		6,383	7,688
Shaving soap[8]					[7] 10,794	[7] 11,553	[7] 9,218
Quantity reported	Pound	11,094	10,453	12,868	7,792	7,025	7,816
Liquid soap, not including packaged shampoos	do	35,263	33,627		3,497	2,421	[7] 1,973
Quantity reported	do	35,263	33,627	22,593	3,497	2,421	1,523
Soap stock or soap base, for sale	do	4,106	8,978	3,665	292	547	270
Textile soap, incl. potash and foots soaps for textile manufacture	do	(9)	(9)	70,052	(9)	(9)	5,350
Potash soap, other than textile and liquid	do	(9)	(9)	20,804	(9)	(9)	1,484
Other and not reported by kind					19,365	12,320	3,802

[1] Comparable data for 1933 are not available except as noted; see last paragraph of general note, p. 749.
[2] Comparable figures for 1933 are available in the 1936 issue of this publication.
[3] Includes approximately 80,000,000 pounds piped to plants making dry ice in 1931 and 25,285,000 pounds in 1935.
[4] Includes hydrogen delivered to consumers through pipe lines; amount estimated at 537,000 M cubic feet for 1935.
[5] Data withheld to avoid disclosure. [6] Basis 16 percent available phosphoric acid.
[7] Includes value of production for which no quantity was reported.
[8] 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. 790. The total production of shaving cream, with and without soap, in 1935, was valued at $7,957,000.
[9] No comparable data; value included with "Other and not reported by kind."

No. 802.—Miscellaneous Products Involving Chemical Processes—Cont.

Product	Value (thousands of dollars)[10]		
	1929	1931	1935
DRUGS AND MEDICINES			
Total value	358, 628	305, 545	280, 760
Medicinal products sold direct to or prescribed by physicians	(11)	(11)	133, 201
Alkaloids and derivatives, made for sale	8, 030	7, 677	6, 131
Biological products	16, 850	14, 821	13, 412
For human use:			
Antitoxins	2, 917	2, 430	2, 644
Bacterins	809	1, 026	1, 002
Serums	673	1, 103	1, 136
Vaccines	1, 092	1, 146	1, 552
Viruses	341	193	604
Undistributed	1, 286	1, 189	921
For animal use:			
Antitoxins	635	255	201
Bacterins	777	543	627
Serums	6, 803	5, 436	3, 348
Vaccines	562	516	438
Viruses	909	886	700
Undistributed	48	97	239
Other products			113, 657
U. S. P. and N. F.[12]			39, 508
Special formulas			64, 944
Undistributed			9, 206
Medicines in specially prepared packages made for sale to the general public	333, 748	283, 047	136, 458
U. S. P. and N. F.[12]			31, 413
Not U. S. P. and N. F.[12]			105, 046
Medicinal products not classified above, and undistributed			5, 935
Poultry and animal remedies (except biological products)			5, 167
INSECTICIDES AND FUNGICIDES, AND INDUSTRIAL AND HOUSEHOLD CHEMICAL COMPOUNDS			
Total value	80, 539	59, 687	69, 242
Deodorants, other than for human use	1, 762	1, 501	779
Disinfectants and insecticides	43, 526	34, 875	37, 946
Reported by kind:			
Agricultural insecticides and fungicides	17, 772	13, 749	16, 544
Calcium arsenate	1, 860	1, 280	2, 322
Lead arsenate	3, 523	3, 674	4, 173
Lime-sulphur, dry	603	564	425
Lime-sulphur, solution	1, 446	1, 266	991
Paris green	10, 340	6, 965	489
Other including nicotine-sulphate and sulphur dust			8, 143
Household insecticides and repellants	15, 077	14, 773	13, 303
Fly sprays	9, 323	9, 258	5, 723
Insect powder (Pyrethrum)	2, 447	1, 851	1, 409
Fluoride powders and mixtures	385	416	425
Moth repellants	800	1, 551	1, 095
Not reported by kind	2, 123	1, 698	4, 651
Disinfectants	7, 332	5, 412	5, 246
Not reported by kind	3, 345	942	2, 853
Boiler compounds	5, 084	3, 387	5, 883
Other industrial and household chemical compounds	30, 167	19, 925	24, 634
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS			
Total value [13]	201, 689	166, 257	129, 438
Perfumes and toilet waters	27, 462	15, 004	11, 463
Creams, other than shaving cream	33, 347	25, 125	14, 430
Lip sticks and lip rouges	12, 309	5, 100	4, 714
Other rouges		5, 630	2, 574
Dentifrices	32, 464	35, 699	29, 722
Deodorants for human use	(14)	2, 802	3, 029
Shampoos	5, 797	4, 087	4, 157
Face powders	24, 038	18, 872	11, 205
Talcum powders	8, 344	8, 418	5, 095
Other toilet powders	2, 340	2, 543	3, 529
Hair dyes, tonics, and dressings	55, 589	15, 889	11, 046
Face lotions		5, 817	5, 566
Other toilet preparations		21, 272	22, 907

[10] Comparable data for 1933 are not available; see last paragraph of general note, p. 749.
[11] No comparable data.
[12] United States Pharmacopoeia and National Formulary.
[13] Because of a reclassification of certain products, figures for 1935 are not strictly comparable with those for earlier years.
[14] Data incomplete; included with "Other toilet preparations."

Source: Bureau of the Census, Department of Commerce.

No. 803.—TANNING MATERIALS, NATURAL DYESTUFFS, MORDANTS AND ASSISTANTS, AND SIZES: PRODUCTION

	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1929	1933	1935	1929	1933	1935
Total value				33,615	21,058	30,453
Tanning extracts (solid and liquid):						
Chestnut [1]	270,162	236,065	302,842	4,001	3,517	4,588
Sumac [1] (liquid) [2]	5,279	6,452	3,552	344	301	204
Quebracho [1]	100,067	33,709	81,226	3,229	763	1,404
Other				2,384	653	748
Other tanning materials					1,783	2,974
Natural dyestuffs:						
Logwood extract	19,338	10,827	8,706	1,843	870	744
Other extracts, and ground, chipped, and dry product				583	263	197
Mordants				1,173	459	538
Assistants, total value				6,894	6,216	11,440
Softeners, soluble oils, and greases:						
Total value				(3)	(3)	4,603
Quantity reported	(3)	(3)	43,993	(3)	(3)	3,896
Quantity not reported				(3)	(3)	707
Sulphonated oils and fats:						
Quantity reported	(3)	(3)	42,836	(3)	(3)	3,932
Quantity not reported				(3)	(3)	1,424
Other [4]				(3)	(3)	1,481
Sizes, total value				13,164	6,233	7,614
Dextrin	33,507	24,174	29,493	2,043	1,448	1,591
Other, total value				11,121	4,785	6,023
Quantity reported	263,788	162,776	175,316	11,121	4,600	5,479
Quantity not reported					185	544

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

No. 804.—RUBBER PRODUCTS

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1929	1933	1935	1929	1933	1935
Total value					1,111,631	468,615	671,722
Tires and inner tubes:							
Pneumatic tires and casings:							
Motor-vehicle	Number	69,765	45,376	48,765	573,527	221,051	322,193
Motorcycle and bicycle	do			4,006			3,852
Inner tubes:							
Passenger car, truck, and bus	do	77,780	46,812	47,761	84,210	31,715	44,386
All other, including motorcycle and bicycle	do			1,550			728
Solid and cushion tires:							
Truck and bus for highway transportation	do			37			1,534
Industrial truck, tractor, and trailer	do			117	[1] 19,173	[1] 3,746	854
All other, including carriage and other tiring	do			6,994			718
Boots, rubber	Pair	5,454	2,622	3,029	16,141	4,659	5,534
Shoes and overshoes, rubber	do	51,357	32,984	37,809	64,883	23,042	30,384
Shoes, canvas, with rubber soles	do	43,954	29,689	23,955	30,335	13,813	12,342
Heels, for sale as such	do	292,719	272,504	278,369	17,927	11,119	11,594
Soles, incl. composition or fiber	do	46,189	91,995	69,656	8,960	8,316	7,259
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Sq. yard	22,407	8,620	5,227	11,864	3,362	1,874
All other	do	70,560	62,631	66,119	17,890	14,836	18,186
Belting	Pound	45,024	30,628	48,363	25,776	12,928	20,498
Hose and tubing					40,932	18,074	26,626
Packing	Pound	17,923	9,328	11,409	5,033	1,872	2,737
Druggists' and stationers' sundries					15,828	8,241	11,754
Hard-rubber goods					17,937	9,927	14,032
All other manufactures of rubber					161,215	81,914	122,862
Reclaimed rubber produced [2]	Pound	(3)	(3)	266,785	(4)	(4)	11,774

[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 803 and 804: Bureau of the Census, Department of Commerce.

No. 805.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1927	1929	1931	1933	1935
	Value (thousands of dollars)				
Total	2,473,902	2,711,607	2,184,813	1,505,484	1,865,524
Newspapers and periodicals, printed and published or published only	1,459,688	1,580,565	1,293,777	937,114	1,089,811
Newspapers	977,648	1,073,110	886,523	667,820	760,247
Periodicals, other than newspapers	482,040	507,445	407,254	269,294	329,564
Subscriptions and sales	429,467	460,326	425,267	367,440	403,691
Advertising	1,030,221	1,120,238	868,510	569,674	686,120
Books and pamphlets, printed and published or published only	178,163	199,015	146,438	95,312	135,958
Newspapers, periodicals, books, and pamphlets, printed for publication by others [1]	109,732	129,518	156,737	101,372	130,580
Sheet music and books of music	17,147	16,538	12,204	593	523
General job printing, composition sold to the trade, ready prints, and paper patterns	709,173	785,971	[2] 575,657	[2] 371,093	[2] 507,083
Manifolding done in printing establishments	(3)	(3)	(3)	(3)	1,569
	Aggregate circulation per issue (average for the year)				
Newspapers and periodicals:					
Daily	42,343,210	42,947,824	42,124,651	38,424,281	41,552,243
Sunday	27,695,859	29,011,648	27,453,465	25,453,894	29,196,006
Triweekly	468,534	311,777	215,694	165,703	142,928
Semiweekly	2,026,760	2,982,184	2,037,126	2,836,089	3,852,640
Weekly	55,985,413	53,378,350	46,954,782	51,413,509	57,932,576
Monthly	120,693,490	133,048,488	122,670,528	103,192,794	102,193,740
Quarterly	21,247,360	20,605,002	19,575,617	23,237,557	23,277,089
All other classes	8,156,399	11,514,355	8,353,006	6,334,286	7,668,599

[1] 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.
[2] In addition, lithographed or engraved labels, tags, and greeting cards valued at $28,681,000 in 1931, $23,745,000 in 1933, and $32,499,000 in 1935, were reported by establishments in other industries.
[3] No comparable data.

No. 806.—ENGINES, TURBINES, TRACTORS, WATER WHEELS, WINDMILLS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1927	1929	1931	1933	1935
Total	380,374	488,721	161,876	60,892	225,597
Steam engines and turbines	22,686	32,459	14,893	8,443	11,180
Reciprocating marine	1,703	5,181	493	161	244
Reciprocating stationary and portable	5,519		1,634	435	1,139
Stationary turbines	14,499	27,278	8,427	5,670	9,798
Marine turbines	965		4,339	1,605	
Not reported as to type				672	
Internal-combustion engines (not including tractors)	141,161	166,634	68,279	29,624	65,429
Diesel and semi-Diesel type—					
Marine (Diesel)	7,062	11,430	4,876	1,828	5,137
Other	13,347	15,369	6,978	3,326	10,334
Other internal-combustion engines—					
Marine—					
Stationary	7,370	7,111	5,528	949	2,237
Detachable	5,553	7,852	2,352	1,249	2,385
Motor vehicle [1]	63,636	50,654	15,424	4,147	6,583
Other stationary and portable	34,699	49,251	19,341	9,406	26,143
Aircraft engines [2]	9,494	24,966	13,780	8,719	12,610
Tractors	136,836	196,953	57,527	18,004	121,301
Windmills	3,327	4,063	1,214	1,400	1,813
Water wheels and water turbines	5,441	5,028	6,889	483	3,263
Engines and turbines not specified as to kind of power	414	675		191	876
Locomotives, steam, electric, and internal-combustion	70,508	82,909	13,073	2,748	21,735

[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.

Source of tables 805 and 806: Bureau of the Census, Department of Commerce.

No. 807.—MACHINERY: Value of the Principal Classes Manufactured

Note.—**Values in thousands of dollars.** The various classes of machinery listed are products of a number of industries, such as "Foundry and machine-shop products," "Agricultural implements," "Aircraft," "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 808 to 812.

Class	1927	1929	1931	1933	1935
Agricultural machinery	129,595	167,673	49,954	17,109	80,890
Aircraft	14,505	51,508	21,790	15,670	17,242
Bakers' machinery and equipment	20,015	21,730	10,876	7,332	11,869
Blowers and fans	20,433	25,243	15,323	6,955	15,830
Bottling machinery	11,584	11,082	5,653	9,157	8,264
Clay-working machinery (brick, pottery, etc.)	4,308	4,402	1,671	591	1,071
Canning machinery	7,330	8,535	4,065	3,139	8,271
Cars and trucks, motorized	(1)	(1)	2,817	2,120	2,545
Cash registers, adding, calculating, and card-tabulating machines, and typewriters	143,913	151,583	62,279	46,577	83,217
Cement and concrete machinery:					
Cement-making machinery	4,619	4,387	1,579	545	1,646
Concrete mixers	12,674	11,405	4,357	963	2,415
Other cement and concrete machinery	3,240	4,132	1,457	224	1,809
Condensers	5,899	4,386	2,590	990	1,297
Confectionery and ice-cream machinery	5,682	3,674	3,809	2,667	5,052
Conveying machinery:					
Bucket type	10,726	9,387	2,695	2,107	2,019
Belt type	10,520	14,206	7,153	3,463	3,035
Other	12,282	24,944	12,261	5,844	16,091
Cotton-ginning machinery	9,543	11,760	2,630	2,165	4,892
Cranes (including hoists and derricks)	44,454	57,840	18,448	5,607	13,227
Dairy, cheese-factory, and butter-factory machinery	16,536	16,593	11,388	8,327	14,864
Dredging and excavating machinery:					
Power shovels	32,106	43,348	18,609	4,519	12,560
Other	19,776	17,397	11,578	2,975	5,801
Electrical machinery (generators, motors, and fans, including parts)	233,800	285,974	138,425	73,405	151,501
Elevators and elevator machinery	43,152	44,044	20,035	8,322	9,110
Engines (steam or internal-combustion), and water wheels [2]	169,589	204,796	90,062	38,740	80,748
Flour-mill and grain-mill machinery	7,967	8,286	4,342	2,354	5,167
Gas machines and apparatus	5,082	5,408	1,794	(1)	(1)
Glass-making machinery	3,085	3,688	2,545	1,895	3,543
Hydraulic machinery (other than for dredging)	2,906	10,082	4,540	1,549	5,593
Laundry machinery	27,204	28,893	14,637	5,980	11,050
Lawn mowers	9,269	10,953	6,141	3,467	4,987
Leather-working machinery, other than shoe	2,000	1,249	816	747	1,005
Locomotives (steam, electric, and internal-combustion)	70,508	82,909	13,073	2,748	21,735
Machine tools	105,555	186,374	58,712	23,930	87,412
Metal-working machinery, other than machine tools	39,201	50,336	36,294	13,530	53,888
Mining machinery (other than oil-well), including ore crushers	38,152	40,325	12,570	8,776	22,770
Motorcycles, side cars, bicycles, and parts	19,402	21,198	13,285	(1)	22,807
Motor vehicles, except motorcycles	2,540,714	3,412,056	1,387,173	928,650	2,152,986
Oil-mill machinery, cottonseed, and other	4,697	2,533	1,286	2,110	2,790
Oil-well machinery (including drilling) and other well-drilling machinery	63,671	90,530	24,635	21,483	54,893
Packing-house machinery	5,577	6,693	4,622	2,756	5,317
Paper-mill and pulp-mill machinery	27,098	30,456	15,793	8,696	14,829
Pneumatic machinery (other than pneumatic tools):					
Air compressors	29,319	39,683	15,210	7,214	15,891
Other pneumatic machinery	(1)	1,691	1,657	397	2,546
Printing machinery	63,240	64,860	32,324	13,598	30,377
Pumps (hand and power) and pumping equipment	129,127	144,947	71,555	36,846	64,210
Refrigerators, mechanical	112,141	167,149	128,033	90,694	152,712
Refrigerating and ice-making machinery			16,642	4,115	6,570
Road-making machinery	27,728	30,694	27,006	11,127	26,039
Rubber-working machinery	9,951	13,552	4,425	3,347	4,883
Scales and balances	22,166	25,385	12,072	6,805	12,191
Sewing machines	32,934	37,378	15,252	10,274	18,250
Shoe machinery	12,334	12,317	9,755	8,130	10,245
Slot-vending machines	7,059	8,821	5,861	5,472	5,989
Stokers, mechanical	10,213	14,054	8,310	5,629	11,537
Sugar-mill machinery	6,601	5,046	1,840	794	1,264
Textile machinery and parts	102,200	115,525	61,223	57,892	64,899
Transmission machinery	18,246	26,787	15,326	9,693	11,899
Vacuum cleaners (electric)	36,222	35,108	24,847	14,411	24,191
Washing machines, clothes wringers, driers, and ironing machines for domestic use	69,140	79,011	48,281	42,421	59,513
Windmills	3,327	4,063	1,214	1,400	1,813
Woodworking machinery	29,569	35,151	11,057	6,100	12,542

[1] No comparable data. [2] Excluding steam boilers for sale as separate units.

Source: Bureau of the Census, Department of Commerce.

No. 808.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

[All figures except number and kilovolt-amperes in thousands of dollars]

Product	1927	1929	1931	1933	1935
Total value	1,515,230	1,918,733	987,643	529,436	918,216
Generators (not specified elsewhere):					
Direct current—					
Value	4,503	2,500	1,692	825	
Alternating current—					
Number		2,360	1,053	787	16,301
Kilovolt-amperes (thousands)		3,869	1,310	(1)	
Value	2,856	19,325	8,825	3,050	
Synchronous condensers and frequency changers—	3,632				
Number	18,335	203	85	37	(1)
Kilovolt-amperes (thousands)		752	432	(1)	(1)
Value		4,241	2,547	195	15,411
Automotive generators for battery charging	58,128	28,210	10,584	7,779	
Automotive starter motors		32,849	13,044	9,032	(2)
Self-contained power and lighting outfits	8,239	6,840	1,639	945	2,881
Transformers, induction-voltage regulators, and current-limiting reactors	66,804	84,032	42,742	13,094	34,357
Motor-generator sets and dynamotors	6,764	13,397	6,007	2,201	5,802
Control apparatus (motor and other)	[3] 34,181	[3] 44,289	[3] 22,186	[3] 15,165	28,230
Electric locomotives (mining, industrial, and railway)	9,858	17,706	(2)	(2)	(2)
Stationary motors (not fan), total	97,673	136,035	68,430	41,173	72,668
Fractional horsepower	33,903	51,252	33,648	23,747	37,806
One horsepower and over—					
Direct current	15,628	22,619	9,060	3,622	8,489
Alternating current	48,142	62,164	25,723	13,574	26,373
Not reported by kind or rating				230	
Electric fans	10,352	10,196	8,984	2,437	6,695
Storage batteries, parts and supplies	97,808	109,601	65,736	52,129	65,901
Primary batteries	46,283	40,334	20,200	15,315	19,817
Primary battery parts and supplies	6,298				
Carbons; Electrodes for lighting and furnaces, brushes, and specialties	14,364	17,049	9,512	8,997	12,470
Incandescent lamps and X-ray tubes	87,933	85,320	70,502	49,849	66,547
Telegraph apparatus	5,561	166,293	113,170	21,180	43,584
Telephone apparatus	115,452				
Household apparatus and appliances:					
Vacuum cleaners, electric	36,222	35,108	24,847	14,411	24,191
Flatirons	7,917	8,018	5,070	4,639	6,554
Cooking utensils	11,668	13,877	8,250	5,311	8,922
Ranges, disk stoves, and hot plates	12,119	16,933	9,643	4,189	14,196
Air heaters, radiant and convector type	1,439	1,833	1,012	362	577
Electric-measuring instruments, meters, etc	34,133	38,523	22,715	9,328	23,486
Switchboards, panel boards, cabinets, circuit breakers, and switches	71,924	81,201	44,832	16,243	36,188
Magnetos	9,016	14,461	3,300	(4)	5,264
Spark plugs	13,872	20,244	15,800	12,896	17,176
Coils (ignition)	8,467	9,502	3,734	(4)	4,800
Insulated wire and cable and armored conductor	221,779	323,982	126,160	65,637	122,226
Fuses and fuse blocks	10,891	14,036	7,761	4,825	5,013
Wiring devices	32,703	38,395	21,778	17,796	24,533
Lightning arresters and choke coils	6,327	6,515	3,257	1,592	2,871
Electric-railway line materials	5,446	3,261	1,718	1,213	1,483
Conduits and fittings	20,086	46,768	21,464	14,691	23,095
Railway signals and attachments	22,340	22,572	10,583	6,432	12,146
Electric signaling apparatus (other than railway)	9,976	12,248	6,881		
All other	280,969	393,575	177,034	106,504	134,199

[1] No comparable data.
[2] Withheld to avoid disclosing approximations of data for individual establishments.
[3] Figures include data for railway and vehicle control apparatus and therefore are not strictly comparable with figures for 1935.
[4] No data.

Source: Bureau of the Census, Department of Commerce.

No. 809.—FARM EQUIPMENT: PRODUCTION

NOTE.—Data are from a series of special reports compiled annually since 1920, except for the years 1932, 1933, and 1934. Similar data are published in the 1934 and earlier issues of the Statistical Abstract

Class	Number				Value (thousands of dollars)			
	1931	1935	1936	1937	1931	1935	1936	1937
All products, total value					214,391	334,210	487,273	580,049
Plows and listers					12,084	19,632	25,997	33,042
Moldboard plows [1]	162,506	389,047	411,575	465,607	3,429	7,887	12,753	15,537
Disk plows	9,406	12,649	17,620	28,530	1,573	1,876	2,702	4,165
Listers, 1-row	6,859	15,039	13,876	20,140	130	415	459	650
Other plows and listers					947	978	1,340	2,418
Attachments and parts, including plow stocks and steel plow shapes					6,005	8,476	8,744	10,272
Harrows, rollers, pulverizers, and stalk cutters					5,868	9,038	13,240	16,653
Disk harrows	46,853	82,756	109,680	135,544	3,069	5,195	7,445	9,745
Spike-tooth and spring-tooth harrow sections	163,734	276,272	337,483	400,224	1,287	2,250	2,696	3,526
Stalk cutters	2,297	5,161	5,793	7,511	86	166	191	264
Other, including attachments and parts					1,425	1,428	2,908	3,118
Planting and fertilizing machinery					10,862	15,019	23,374	27,526
Corn planters [2]	35,926	34,445	59,013	75,584	1,727	1,365	2,649	3,382
Combined corn and cotton planters [2]	15,383	40,479	57,728	78,785	508	1,254	1,299	1,764
Combined listers and drills [2]	2,031	3,822	8,437	6,220	140	359	812	537
Grain drills	11,380	32,410	47,218	57,000	1,419	4,130	6,407	7,045
Broadcast seeders [3]	10,468	5,282	10,030	13,301	231	125	228	309
Manure spreaders	19,707	31,462	53,361	60,057	2,101	3,615	6,222	7,217
Other, including attachments and parts					4,734	4,171	5,757	7,272
Cultivators and weeders					8,595	11,973	18,786	22,231
1-row, horse-drawn cultivators	107,323	179,846	184,396	215,539	2,011	2,565	3,021	3,684
2-row, horse-drawn cultivators	10,405	5,845	1,300	1,879	874	451	69	108
Tractor-drawn cultivators	15,631	54,519	115,957	127,188	1,794	4,474	10,013	10,937
Hand cultivators	160,360	241,312	304,789	233,239	429	438	559	457
Other, including attachments and parts					3,487	4,045	5,124	7,046
Harvesting machinery					19,955	23,667	40,594	46,602
Grain binders (including rice binders)	15,356	47,080	66,970	32,295	2,451	7,630	11,424	5,620
Combines (harvester-threshers)	5,907	3,872	16,983	29,403	9,195	3,964	13,337	21,284
Corn binders (row binders)	(4)	19,290	19,364	16,694	(4)	2,947	3,160	2,821
Potato diggers	4,700	5,159	5,536	7,993	335	377	407	696
Other harvesting machinery					2,904	1,495	2,642	7,023
Attachments and parts					5,071	7,253	9,624	9,158
Haying machinery					7,089	14,753	18,984	19,740
Mowers	43,312	118,898	124,651	125,852	2,378	6,893	7,799	8,015
Rakes, sulky (dump) and sweep	24,904	45,974	55,055	57,501	775	1,504	1,910	2,009
Loaders	10,042	8,813	22,742	27,256	828	655	2,166	2,558
Other haying machinery					799	1,262	2,372	2,643
Attachments and parts					2,310	4,439	4,735	4,515
Machines for preparing crops for market or use					12,048	15,477	23,652	20,472
Threshers, except peanut	4,086	4,725	8,774	5,511	3,212	3,699	7,223	4,215
Ensilage and feed cutters	5,123	9,314	15,468	12,168	637	1,604	2,459	2,229
Corn shellers	16,853	51,968	68,251	65,253	540	385	783	900
Corn huskers and shredders	631	1,304	1,428	1,946	294	648	635	960
Hay presses	1,627	4,724	4,680	5,725	588	1,482	1,898	2,137
Feed grinders and crushers	44,538	54,966	53,509	62,016	2,847	2,827	2,335	3,134
Other, including attachments and parts					3,930	4,831	8,518	6,897
Tractors					75,572	147,826	214,854	268,394
Wheel type	61,040	138,084	193,947	237,837	42,601	83,428	120,801	159,686
Track-laying type	7,089	18,774	27,299	34,602	13,316	37,057	54,603	66,418
Garden tractors	2,675	4,273	5,939	10,716	590	816	1,101	1,575
Attachments and parts					19,065	26,525	38,349	40,715
Farm wagons and trucks					1,884	5,889	[5] 7,838	[5] 8,565
Farm wagons	10,316	48,708	60,970	57,560	755	2,948	3,643	3,656
Farm trucks	16,043	49,640	[5] 48,087	[5] 54,935	623	1,532	[5] 1,949	[5] 2,577
Attachments and parts					506	1,408	2,247	2,332
Miscellaneous equipment					60,433	70,937	99,956	116,824
Stalls, stanchions, and stock pens					1,400	1,087	1,303	1,571
Stock tanks and waterers	204,406	202,991	285,394	275,711	1,174	1,065	1,869	1,621
Windmills and windmill towers	46,663	69,944	94,637	87,713	1,652	2,468	3,391	3,546
Other, including attachments and parts					56,207	66,316	93,394	110,087

[1] Excludes 3-bottom and larger horse-drawn moldboard plows for all years, except 1936, and 2-way moldboard plows for all years, included with "Other plows and listers."

[2] Figures include 1- and 2-row only; other corn planters, combined corn and cotton planters, and combined listers and drills, are included with "Other, including attachments and parts."

[3] Wheel, horse-drawn, and end-gate; wheelbarrows and other hand broadcast seeders included with "Other, etc."

[4] Included with "Other harvesting machinery" to avoid disclosing operations of individual establishments.

[5] Figures for 1936 include 3,139 farm trailers valued at $343,597; for 1937, 6,372 valued at $727,803. No data for years prior to 1936.

Source: Bureau of the Census, Department of Commerce.

No. 810.—MACHINE TOOLS: Number and Value, by Kinds

Kind	Number			Value (thousands of dollars)		
	1931	1933	1935	1931	1933	1935
Machine tools, total value				66,217	29,631	98,983
Boring machines:						
Horizontal and vertical	84	118	345	795	519	1,932
Special types and combinations	(1)	(1)	(1)	2,547	457	2,598
Drilling machines:						
Horizontal, vertical, and radial	2,376	(1)	(1)	3,340	967	5,237
Combination vertical and horizontal, automatic, bench, and vertical universal head	(1)	(1)	(1)	2,065	669	1,968
Gear cutting machines	(1)	(1)	(1)	3,569	1,030	4,673
Grinding machines	(1)	(1)	(1)	8,662	3,627	13,211
Lathes:						
Engine	2,807	3,298	14,741	2,894	1,425	5,142
Automatic and hand-operated horizontal turret	(1)	443	(1)	4,766	1,702	13,623
Other	(1)	(1)	(1)	1,034	768	792
Milling machines	(1)	(1)	(1)	3,845	1,341	6,956
Presses (except forging presses)	(1)	(1)	(1)	2,460	1,686	6,326
Portable tools (electric and pneumatic):						
Drills:						
Number reported	61,399	24,115	78,179	3,683	1,409	3,373
Number not reported	(1)	(1)	(1)	318	94	1,677
Grinders	14,986	(1)	(1)	1,032	466	1,506
Hammers	13,085	11,252	(1)	1,232	629	986
Other, including portable motor-driven garage equipment, and flexible shaft, etc.	(1)	(1)	(1)	5,779	2,303	4,893
Threading machines (except for pipe)	595	134	(1)	1,010	132	1,189
Shapers and slotters	(1)	35	463	17,186	58	922
All other machine tools and replacement and repair parts		(1)	(1)		10,348	21,978

[1] Data incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 811.—MACHINE-TOOL ACCESSORIES AND MACHINISTS' PRECISION TOOLS AND INSTRUMENTS: Value, by Kinds

Product	Value (thousands of dollars)			Product	Value (thousands of dollars)		
	1931	1933	1935		1931	1933	1935
Total value	74,551	46,878	104,939	Small tools and tool holders—Continued:			
Attachments and fixtures	47,863	25,894	58,491	Milling cutters (all types), end mills, slotting cutters, etc.:			
General equipment:				Solid	3,326	2,447	5,262
Chucks	1,000	714	1,873	Inserted-teeth	805	1,212	1,786
Vises (machine)	30	81	161	Reamers	2,145	1,220	3,184
Attachments for machine tools:				Threading tools:			
Lathe	200	104	229	Taps and dies (not pipe-threading):			
Boring, drilling, and milling machine	1,430	805	1,028	Taps	2,383	1,848	3,806
Other attachments		99	628	Dies	856	652	1,513
Other attachments and fixtures	2,095	1,592	3,001	Chasers	1,346	1,018	1,789
Special equipment and machinery	43,108	22,501	51,571	Pipe-threading:			
Small tools and tool holders	22,654	17,509	30,367	Taps	261	405	424
Arbors, collars, and collets (lathe, milling-machine, and drill)	192	164	499	Dies	532	456	475
Counterbores	323	56	507	Pipe stocks, complete with dies	1,084	650	1,306
Countersinks and combination countersinks and drills	193	104	356	All other, and those not reported by kind	3,204	2,285	7,347
Drills	4,897	4,508	8,981	Precision measuring tools (micrometer and vernier)	2,075	186	1,183
Hobbing cutters	1,106	484	2,131	Gages (plug, ring, snap, thread, etc.)		761	1,332
				Other measuring tools	1,209	618	1,575
				Machine-tool accessories, etc., not reported by kind	751	1,910	2,993

Source: Bureau of the Census, Department of Commerce.

No. 812.—REFRIGERATING AND ICE-MAKING APPARATUS: PRODUCTION

Product	Number		Value (thousands of dollars)	
	1933	1935	1933	1935
Total value			[1] 136,124	[1] 226,611
Mechanical refrigerators and refrigerating systems, compression-type (electric):				
Domestic (household):				
Self-contained, total	956,356	1,423,393	[1] 75,460	[1] 119,873
Capacity under 6 cu. ft	433,434	875,397	27,347	60,903
6 cu. ft. or more but under 10 cu. ft	416,310	536,308	39,105	55,182
10 cu. ft and over	10,062	11,688	1,935	2,428
Commercial			[1] 7,986	[1] 8,344
Water coolers, self-contained	(2)	(2)	976	2,026
Ice-cream cabinets, self-contained:				
Number reported	3,499	14,220	614	2,062
Number not reported			1,102	609
Other commercial refrigerators and display cases, self-contained	(2)	(2)	4,778	3,648
Compressors and miscellaneous commercial equipment, not reported separately			517	
Not reported by size	96,550		7,073	1,359
Systems [3] complete without cabinets, all sizes (commercial and domestic)	37,748	242,240	1,059	11,047
Compressors made for sale separately	29,961	54,875	3,484	3,910
Evaporators made for sale separately:				
Number reported	16,953	67,985	622	1,573
Number not reported			745	559
High sides and low sides made for sale separately	22,292		739	7,405
Cabinets,[3] display cases, etc., for mechanical refrigerators, made for sale separately:				
Domestic (household), all sizes	441,278	314,394	12,321	9,497
Commercial:				
Refrigerator cabinets:				
Number reported	17,667	13,789	1,129	1,151
Number not reported			339	2,590
Display, storage, etc., cases:				
Number reported	8,425	8,021	3,576	3,711
Number not reported			1,630	3,536
Remote fountain or water coolers, with low sides and other commercial cabinets			281	1,296
Ice refrigerators and ice boxes:				
Domestic (household):				
Number reported	223,252	308,976	3,306	6,662
Number not reported			744	233
Commercial ice refrigerators, water coolers, milk coolers, food-display cases, etc			3,393	3,223
Ice-making and refrigerating machines and apparatus, industrial			4,115	6,570
Complete machines (ice-making capacity per 24 hours):				
Less than 10 tons:				
Number reported	2,274	4,497	921	2,460
Number not reported			299	189
10 tons or more but under 100 tons:				
Number reported	1,257	847	921	2,825
Number not reported			179	370
100 tons and over	(2)		737	727
Not reported separately by size			1,058	
Compressors and evaporators made for sale separately as such:				
Number reported	(2)	71	(2)	738
Number not reported			(2)	654
Air-conditioning unit systems:				
Self-contained	(2)	3,048	(2)	649
Not self-contained:				
Number reported	(2)	5,821	(2)	1,656
Number not reported				1,907
Absorption-type refrigerators, custom-built refrigerators, cabinets cooled by replaceable chemical refrigerant ("Kold-Kans", etc.) and cooling equipment therefor, and cabinets and display cases not reported by method of cooling, and parts for all types [4]			14,595	20,825

[1] The values of "Systems complete without cabinets" (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, or were transferred from one plant to another under the same ownership 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 sides" and "Low sides" with motor, control, and expansion valve or its equivalent. The cabinet is not a part of the system.

[4] Figures combined to avoid disclosing output of a manufacturer of absorption-type refrigerators.

Source: Bureau of the Census, Department of Commerce.

No. 813.—RADIO APPARATUS AND PHONOGRAPHS: PRODUCTION

Product	Number		Value (thousands of dollars)	
	1933	1935	1933	1935
Radios, phonographs, and apparatus, total value			[1] 119,235	[1] 206,974
Receiving sets complete (cabinets, chassis, speakers, and tubes)			70,553	132,212
Number reported	3,599,522	5,590,745	69,309	130,222
Number not reported			1,244	1,990
For the home			56,240	104,816
Number reported	2,896,964	4,377,804	55,167	103,563
Number not reported			1,073	1,253
Covering standard broadcast band:				
Socket-power-operated	2,688,827	1,250,219	48,164	14,908
Battery-operated	92,618	187,026	1,932	4,886
Extending beyond standard broadcast band—all-wave receiving sets:				
Socket-power-operated:				
Number reported	[2] 115,519	2,700,738	[2] 5,071	76,742
Number not reported				1,253
Battery-operated	(2)	239,821	(2)	7,028
Home receiving sets, not reported by kind	(3)		1,073	
Automobile sets	700,018	1,191,758	13,598	25,556
Power-operated, except police sets:				
Factory price not over $25	698,742	1,040,906	13,551	20,812
Over $25		147,703		4,526
Police sets, both battery-operated and power-operated	1,276	3,149	47	218
Aircraft and television sets or kits, receiving sets for commercial use, and other sets not specified above			715	1,841
Number reported	2,540	21,183	545	1,103
Number not reported			170	737
Tubes:				
Receiving tubes	59,859,259	78,231,142	25,215	28,975
For replacement	36,442,340	36,769,396	15,870	12,954
Rectifiers (primarily for use with receiving sets)	5,088,670	3,762,328	2,047	1,203
Other, including television (neon and other converter)	31,353,670	33,007,068	13,823	11,751
For initial equipment, total [5]	23,416,919	41,461,746	9,345	16,021
Rectifiers (primarily for use with receiving sets)	5,936,239	2,926,166	2,217	1,119
Other tubes	17,480,680	38,535,580	7,128	14,902
Transmitting tubes for initial equipment and for replacement	(3)	(3)	1,382	2,954
Rectifier tubes not included above:				
Low-power, 500 watts and under	(2)	(3)	430	553
High-power, above 500 watts	(3)	(3)		159
Transmitters (including all associated equipment):				
Broadcast	(3)	(3)	457	401
Aircraft	(3)	(3)	59	1,004
Ship	(3)	(3)	516	1,250
Other transmitters, for use at fixed locations	(3)	(3)	331	3,115
Phonographs and accessories:				
Phonographs for mechanical reproduction, including cabinets	(3)	(3)	128	2,107
Phonographs for electrical reproduction, including cabinets	(3)	(3)	1,782	6,254
Records	(3)	(3)	2,500	3,705
Needles	(3)	(3)	345	269
Combination radio-and-phonograph units	30,092	23,362	1,408	2,461
Public-address and music-distribution apparatus	(3)	(3)	[4] 2,298	2,784
Miscellaneous:				
Receiving-set chassis for sale separately as such [5]	129,434	277,722	1,997	4,136
Loud speakers for sale separately as such [5]	(3)	(3)	3,002	5,616
Microphones (all types)	(3)	(3)	344	455
Other apparatus and products (including dictating machines,[6] dictating-machine record blanks, and combined portable receivers and transmitters), and products not reported by kind			6,487	8,562

[1] Includes some duplication. See footnote 5.
[2] Figures shown for "socket-power-operated" include "battery-operated"; not reported separately for 1933.
[3] Data incomplete.
[4] Includes home talking-moving-picture combinations. No such combinations were reported for 1935.
[5] The items to which this footnote is indexed are duplicated in the subtotals 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.
[6] Figures for dictating machines withheld to avoid disclosing data for individual establishments.

Source: Bureau of the Census, Department of Commerce.

No. 814.—VEHICLES AND AIRCRAFT: PRODUCTION

Product	Number			Value (thousands of dollars)		
	1929	1933	1935	1929	1933	1935
MOTOR VEHICLES, INCLUDING CHASSIS						
Total	5,294,087	1,848,013	3,923,052	3,412,056	928,650	2,152,986
Passenger vehicles (not including busses and taxicabs)	4,362,215	1,534,366	3,212,835	2,767,339	753,134	1,752,794
Closed	3,917,370	1,516,343	3,191,877	2,537,938	744,268	1,739,271
Roadsters, runabouts, and other open	444,845	18,023	20,958	229,402	8,866	13,523
Motor busses (school, sightseeing, and public-utility)	9,072	1,574	4,817	31,612	6,948	27,176
Trucks	385,756	213,683	505,226	269,508	110,765	271,202
Hearses and undertakers' wagons	2,316	825	1,681	5,655	1,911	3,769
Taxicabs, truck-tractors, and commercial vehicles, not specified above	20,549	6,114	4,568	28,937	8,014	7,942
Other vehicles and apparatus	1,960	708	915	10,156	2,215	4,162
Chassis	512,219	90,743	193,010	298,847	45,663	85,940
Passenger	76,401	8,756	40,596	32,398	3,875	13,453
Commercial and bus	435,818	81,987	152,414	266,449	41,788	72,487
AIRCRAFT [1]						
Total value				66,577	25,619	40,882
Airplanes [2]	6,522	1,083	1,313	46,848	13,449	14,895
Seaplanes and amphibians [2 3]	109	68	41	4,660	2,222	2,347
Parts				10,892	5,898	6,527
All other products				4,177	4,051	17,113
	1929	1931	1935	1929	1931	1935
MOTORCYCLES, BICYCLES, AND PARTS [4]						
Total value				21,198	13,985	(5)
Motorcycles	31,912	(6)	(6)	7,543	(6)	(6)
Bicycles	307,845	260,029	656,828	6,184	4,733	12,060
Parts, incl. value of motorcycle side cars				7,472	[6] 8,552	[6] 10,747
CARS, STEAM AND ELECTRIC RAILROAD [4]						
Total value				347,398	101,134	[7] 93,490
Cars				249,079	48,841	28,542
Steam railroad cars, freight service, total	86,243	15,011	8,805	200,576	35,010	20,990
Box	34,168	3,038	1,810	80,989	6,346	4,619
Other	52,075	11,973	6,995	119,588	28,664	16,371
All other cars (steam, passenger service; electric, passenger and freight; self-propelled)	(8)	(8)	(8)	49,103	13,831	7,552
Other products including car parts				[9] 97,717	14,290	[7] 17,417
Receipts for repair work					[9] 38,002	47,532
CARRIAGES, WAGONS, SLEIGHS, ETC. [4]						
Total value				(5)	4,604	7,379
Horse-drawn vehicles	(5)	30,262	101,460	(5)	1,705	4,714
Farm wagons and farm trucks	(5)	26,350	98,348	(5)	1,378	4,480
Business vehicles, including mail carriers' wagons, public conveyances, and log and lumber wagons	(5)	823	492	(5)	187	91
Carriages, buggies, sulkies, and two-wheeled carts	(5)	2,423	1,923	(5)	121	119
Sleighs and sleds (including bobsleds)	(5)	657	607	(5)	19	24
Wheelbarrows	(5)	(5)	519,895	(5)	1,243	2,050
Handcarts and pushcarts	(5)	5,473	1,003	(5)	73	21
Parts for sale as such	(5)			(5)	1,582	593

[1] For 1929, reported as "Completed in 1929", for 1933, as "Built in 1933", and for 1935, as "Begun and completed in 1935."

[2] Includes rebuilt and reassembled aircraft. The value for 1929 includes, in some cases, the value of engines made in the same plant and installed in the aircraft. The schedules for 1933 and 1935 called for the value of planes without engines.

[3] Reported as monoplanes and biplanes for 1935. Not reported as to type for earlier years.

[4] No comparable figures for 1933 (see last paragraph of general note, p. 749).

[5] No comparable data.

[6] Motorcycles cannot be shown separately without disclosing data for individual establishments. Value combined with that for "Parts", etc.

[7] Includes value of light-weight articulated-train production to avoid disclosing output of individual establishments.

[8] Data incomplete.

[9] Includes receipts for repair work done in other industries (not including the "Railroad repair shops" industry) as follows: for 1929, $449,331; and for 1931, $65,317.

Source: Bureau of the Census, Department of Commerce.

No. 815.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1938 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	28,287	10,494	15,735	2,038	(2)	(2)	4,622	2,234	1,995	393
1920	35,834	35,481	15,231	18,287	1,963	402	(2)	6,420	3,583	2,397	440
1922	36,946	35,708	15,906	17,939	1,863	314	89,309	5,910	3,730	1,823	357
1923	37,409	36,260	16,310	18,054	1,896	289	101,931	6,666	4,248	2,050	369
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	17,292	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	36,698	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

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
1922	5,910	5,613	5,555	9	49	297	639	1,218	1,127	91	139
1923	6,666	6,322	6,251	6	65	344	646	1,100	981	118	127
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	767	1,228	1,172	56	237
1935	5,361	5,241	5,229	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	208

[1] Includes linters for 1840 to 1900. 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: Bureau of the Census, Department of Commerce.

No. 816.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—Data cover 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)				
	1935–36	1936–37	1937–38	1935–36	1936–37	1937–38	1926–1930, average	1931–1935 average	1935–36	1936–37	1937–38
United States	28,147	26,982	26,372	83,980	101,225	74,962	6,735	5,466	6,351	7,950	5,748
Cotton-growing States	19,025	18,891	18,798	65,275	77,667	59,776	4,990	4,425	5,336	6,626	4,881
New England	8,135	7,172	6,773	16,816	21,228	13,709	1,466	860	832	1,073	708
Other States	988	919	801	1,868	2,330	1,477	279	181	184	251	160
Alabama	1,874	1,901	1,884	6,460	7,839	5,460	563	570	689	856	588
Connecticut	795	669	596	1,648	2,052	1,275	101	60	60	77	46
Georgia	3,300	3,309	3,243	11,541	13,815	10,152	1,139	985	1,225	1,562	1,080
Maine	782	710	705	2,021	2,760	1,988	126	111	120	169	120
Massachusetts	4,388	4,000	3,766	9,186	10,989	6,672	823	442	450	539	329
New Hampshire	982	677	629	1,257	1,781	1,455	208	149	105	157	118
New York	509	466	355	797	1,039	564	139	76	86	116	66
North Carolina	6,052	6,040	6,049	19,445	23,073	17,150	1,534	1,298	1,645	2,021	1,478
Rhode Island	1,089	1,017	979	2,423	3,310	2,106	199	91	89	120	87
South Carolina	5,756	5,685	5,731	21,633	25,472	20,677	1,196	1,103	1,255	1,511	1,196
Tennessee	640	632	600	2,336	2,691	2,306	157	139	154	191	152
Texas	254	255	255	585	962	871	122	74	81	131	119
Virginia	649	667	634	2,055	2,377	2,053	120	128	155	174	146
All other States	1,078	954	945	2,572	3,064	2,233	309	240	238	326	222

Source: Bureau of the Census, Department of Commerce.

No. 817.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CONTINENTAL UNITED STATES AND ALASKA

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 permissibles	Black blasting powder		Use	Total	Permissible explosives	High explosives other than permissible	Black blasting powder
				Granular	Pellet					
1913	500,012	27,686	242,387	229,940	-------	1936	391,605	47,859	262,047	81,698
1914	450,251	25,698	218,454	206,100	-------	Coal mining	142,116	47,002	24,053	71,061
1915	460,901	27,350	235,829	197,722	-------	Metal mining	77,208	68	76,657	483
1916	505,415	34,085	255,155	215,575	-------	Quarrying and nonmetallic mineral mining	52,590	580	49,779	2,232
1917	582,475	43,041	262,316	277,119	-------	Railway and other construction work	106,622	136	98,773	7,713
1918	499,125	46,045	206,416	246,663	-------	All other purposes	13,068	74	12,785	209
1919	417,634	38,855	198,269	180,511	-------	1937	404,744	49,579	288,924	66,241
1920	537,955	53,963	229,112	254,880	-------	Coal mining	134,150	48,735	26,691	58,723
1921	372,108	41,134	170,952	160,021	-------	Metal mining	99,871	50	99,537	284
1922	431,772	43,430	209,476	178,866	-------	Quarrying and nonmetallic mineral mining	55,616	434	52,777	2,406
1923	529,728	60,371	267,405	201,951	-------	Railway and other construction work	98,173	74	93,742	4,357
1924	495,533	55,134	273,323	167,076	-------	All other purposes	16,935	286	16,178	471
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					

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

Source: Bureau of Mines, Department of the Interior.

No. 818.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted to 54,362,977 cigars in 1937. 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	456,554	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	41,565,670
1921–1925	409,457	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	100,361,216
1931–1935	349,785	64,662	5,404	3,660	239,072	36,987	4,648,368	245,412	20,417	121,702,334
1930	371,766	86,274	7,624	5,089	232,013	40,766	5,893,890	383,070	7,367	123,802,186
1931	371,237	76,653	6,377	4,170	244,182	39,854	5,347,921	338,997	5,160	117,062,504
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	62,760	5,030	2,970	237,862	36,894	4,525,780	221,977	88,202	129,976,334
1935	342,728	60,588	5,604	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	158,863,958
1937	340,579	58,331	6,774	4,999	233,334	37,141	5,303,369	198,585	3,066	169,969,320

State	Number of factories Jan. 1, 1938, making—			Production in 1937 (calendar year)				
	Tobacco and snuff [2]	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	650	4,157	81	340,579	5,303,369	198,585	3,066	169,969,320
California	28	150	6	309	73,003	11	1	3,560,419
Connecticut	6	120	1	32	32,777			3
Florida	4	182	2	3	846,661	16,080		578
Illinois	79	487	2	25,069	37,069			5
Indiana	29	75		164	103,460			
Kentucky	30	27	3	31,176	4,655			12,537,452
Louisiana		11			72,999			
Massachusetts	26	249	8	306	41,240		3	18,905
Michigan	23	108	1	8,874	148,137			1,917
Minnesota	17	67		52	10,068			
Missouri	13	88	2	34,107	27,329		20	6,131
New Hampshire	2	42			63,089			
New Jersey	16	142	4	7,091	613,933	4,799		8,070,985
New York	129	960	27	1,966	236,620	4,448	2,266	135,041
North Carolina	11	9	8	121,037	41,836	16,657	620	88,232,681
Ohio	57	222		45,810	278,468	245		
Pennsylvania	77	603	8	8,563	1,929,774	142	156	4,332,587
South Carolina	1	3		12	290,378			
Tennessee	14	13		19,048	1,584			
Virginia	7	14	9	25,903	272,817	156,195		53,072,516
West Virginia	7	32		8,017	95,390			
All other	74	553		2,440	82,073	8		

[1] Includes scrap chewing tobacco.
[2] Factories producing a taxable product, excluding 227 "quasi" manufacturers.

Source: Bureau of Internal Revenue, Treasury Department.

No. 819.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—All figures except per capita in thousands of pounds. Data for tobacco used in manufacture in registered factories represent the equivalent in unstemmed leaf of all tobacco. See headnote, table 820

Item	1931	1932	1933	1934	1935	1936	1937
Leaf tobacco consumed in manufacture:							
In registered factories	752,404	690,134	710,668	775,530	775,932	847,367	872,924
In bond	425	635	1,283	943	1,027	1,165	1,118
Manufactured tobacco imported:							
From Puerto Rico	2,307	1,081	905	903	853	682	475
Other countries [1]	2,458	2,393	2,010	3,353	4,456	3,299	4,378
Exports of manufactured tobacco [2]	16,149	13,501	13,606	16,526	18,646	21,543	24,971
Remaining for consumption	741,445	680,741	701,260	764,204	763,622	830,970	853,924
Per capita consumption—pounds	5.97	5.45	5.58	6.04	5.99	6.47	6.61

[1] Imports for consumption beginning with 1934; general imports for prior years.
[2] Represents exports to foreign countries and shipments to noncontiguous territories and possessions.

Sources: Leaf tobacco used in registered factories, Bureau of Internal Revenue, Treasury Department; leaf tobacco used in bonded factories, Division of Customs, Treasury Department; other data, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 820.—LEAF TOBACCO: Amounts Consumed in the Manufacture of Cigars, Cigarettes, Chewing and Smoking Tobacco, and Snuff

NOTE.—All figures in thousands of pounds. Figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and clippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses (see table 819).

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896-1900	359, 053	87, 851	16, 235	254, 967	1927	744, 288	152, 510	290, 464	301, 314
1901-1905	451, 461	124, 411	12, 444	314, 606	1928	754, 625	151, 290	310, 150	293, 176
1906-1910	524, 193	139, 206	22, 079	362, 908	1929	796, 626	152, 129	346, 543	297, 953
1911-1915	578, 283	151, 890	52, 207	374, 186	1930	779, 806	137, 901	347, 915	293, 990
1916-1920	650, 460	155, 312	130, 320	364, 828	1931	752, 404	127, 628	329, 962	294, 813
1921-1925	672, 077	151, 421	198, 069	322, 588	1932	690, 134	104, 288	299, 029	286, 817
1926-1930	762, 540	149, 240	312, 533	300, 767	1933	710, 668	104, 699	326, 093	279, 876
1931-1935	740, 934	112, 296	345, 985	282, 652	1934	775, 530	111, 123	375, 383	289, 024
1924	693, 858	153, 413	217, 700	322, 745	1935	775, 932	113, 742	399, 458	262, 731
1925	718, 426	149, 001	244, 315	325, 109	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

No. 821.—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
1926	203, 810	203, 166	644	5, 841	255	26	(8)	4, 856
1927	185, 472	185, 133	338	4, 407	38	57	(8)	4, 382
1928	170, 515	170, 103	412	4, 923	11	46	(8)	4, 161
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, 081
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	330, 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
Withdrawals, tax-paid: [6]								
1935	75, 074	73, 639	[11] 1, 435	35, 417	5, 276	---------	42, 229	[12] 129
1936	100, 383	98, 734	[11] 1, 649	47, 474	5, 799	---------	48, 760	[12] 119
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
Imports for consumption:								
1936	[13] [14] 9, 520	[13] [14] 9, 056	[13] 464	2, 527	[15] 282	320	46	---------
1937	[13] [14] 15,639	[13] [14] 14,906	[13] 732	3, 468	[15] 568	534	76	---------
1938	[13] [14] 13, 856	[13] [14] 13, 155	[13] 701	3, 054	[15] 543	436	(16)	---------

[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 Hawaii; industrial alcohol figures also include Puerto Rico beginning Aug. 1, 1928.
[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] Does not include 44,289 gallons (regulation) of ethyl alcohol (pure grain) for 1936 and 212 gallons for 1937, not convertible into proof gallons; figures not available for 1938. [16] In thousands of wine gallons.
[15] Figures not available for 1938.

Source of tables 820 and 821: Bureau of Internal Revenue, Treasury Department.

No. 822.—DENATURED ALCOHOL[1]

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	5,386,647	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
1927	184,323,017	94	173,570,104	56,093,748	39,354,928	95,448,677
1928	169,149,905	82	161,362,455	46,966,601	45,451,424	92,418,026
1929	202,616,750	79	186,045,935	53,296,717	54,623,207	107,919,924
1930	193,823,717	68	185,000,827	59,063,510	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	107,657,981	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

[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: Bureau of Internal Revenue, Treasury Department.

No. 823.—MOTION-PICTURE PRODUCTION: Summary of Census Statistics

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 theaters. 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		Salaries and wages		Cost of contract work	Cost of studio supplies, fuel, etc.[1]	Cost of production
		Salaried officers and employees	Wages earners (average for year)	Salaries	Wages			
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	134,343
1929	142	8,818	10,784	60,168	24,860	11,312	38,441	184,102
1931	140	[2] 14,839		[2] 70,637		12,016	32,222	154,436
1933	92	8,260	10,777	52,948	18,395	4,028	26,153	119,343
1935	129	12,675	14,917	79,743	24,686	5,145	29,541	188,470
STATES, 1935								
California	75	10,308	12,970	76,207	21,707	3,995	20,989	165,095
Los Angeles	51	5,860	6,415	39,672	10,851	1,059	12,254	83,750
Remainder of State	24	4,448	6,555	36,534	10,856	2,936	8,735	81,315
Illinois	8	34	60	61	79	15	142	364
New York	24	2,031	1,209	2,938	2,015	1,069	4,698	16,116
Other States	22	302	678	537	885	65	3,713	6,925

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

	1929	1931	1933	1935		1929	1931	1933	1935
Total cost of work done	184,102	154,436	119,843	188,470	Unfinished productions, cost	17,873	14,729	14,581	22,849
Negative films, cost	128,497	108,560	82,280	137,843	Laboratory work: Positive films, cost	10,646	12,556	7,625	6,317
Theatrical: Number	1,204	1,227	1,059	1,094	Receipts for work done for others	21,105	14,332	11,835	15,089
Cost	118,716	100,065	77,536	129,836	Value of other work done	1,643	2,802	1,520	1,818
News, cost	6,152	3,422	[3] 4,576	[3] 5,001	Receipts for use of studio facilities	4,338	1,457	1,502	4,554
Advertising, cost	3,377	4,664							
Educational, cost	251	409	168	370					
Other films, cost	------	------	------	2,636					

[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] Combined to avoid disclosing approximations of data for individual establishments.

Source: Bureau of the Census, Department of Commerce.

No. 824.—PATENT APPLICATIONS, CAVEATS FILED, AND PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,957. 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	31,117	[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	35,364	30,681	-------	3,411	1,272
1921-1925	427,127	-------	217,525	203,077	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	96,729	71,469	12,067	8,736	4,457
1931-1935	342,861	-------	256,219	[12] 239,253	15,079	1,887	72,783	52,432	9,282	8,466	2,513
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	-------	990	270
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	4,729	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	70,069	-------	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	38,569	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	-------	45,899	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	[12] 51,771	2,937	395	15,328	11,407	1,643	1,683	595
1932	71,864	-------	56,856	[12] 53,519	2,944	393	13,196	9,613	1,687	1,443	453
1933	60,633	-------	51,563	[12] 48,819	2,411	333	12,758	9,140	1,665	1,470	483
1934	61,572	-------	47,753	[12] 44,461	2,921	371	16,063	11,375	2,407	1,786	495
1935	64,369	-------	44,944	[12] 40,683	3,866	395	15,438	10,897	1,880	2,084	577
1936	69,585	-------	44,820	[12] 39,842	4,556	422	14,804	10,732	1,886	1,740	446
1937	72,984	-------	43,271	[12] 37,750	5,137	384	15,276	11,254	1,524	1,850	648

[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 December 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 8 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.

Source: United States Patent Office, Department of Commerce.