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 778 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.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from tables 776 and 778. Data for "Coffee and spices, roasting and grinding" are excluded in the third section of table 776 and in tables 777 and 780 for all years, and data for "Peanuts, walnuts, and other nuts, processed or shelled" are excluded in table 777 and from figures beginning with 1927 in tables 776 and 780, no data having been collected for these industries at the 1933 and 1935 censuses. Data for these industries, however, are included in tables 778 and 779. As there are no comparable figures for "Peanuts, walnuts, etc.," for years prior to 1927, no adjustment for this industry can be made for earlier years. Data for "Poultry killing, dressing, and packing, wholesale" are included for all years except 1927, for which year this industry was not canvassed. In table 776, 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 this issue 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. 776.—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	13,000	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	5,262	16,821	31,359	14,538
1935	169	1,076	7,379	(8)	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 comparism with those for 1935, see table 780, p. 741.
[7] Excluding data for salaried officers of corporations. [8] Data collected but not tabulated.

Source: Bureau of the Census, Department of Commerce.

No. 777.—MANUFACTURES: Classified According to Wage Earners

Note.—See general note, p. 738

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. 778.—MANUFACTURES: Classified by Value of Products [1]

Note.—See general note, p. 738. 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	9,496,592,898	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 777 and 778: Bureau of the Census, Department of Commerce.

No. 779.—MANUFACTURES: Prime Movers, Motors, and Generators, Number and Rated Capacity

Note.—See general note, p. 738. 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									Electric motors driven by energy generated in establishments reporting		Electric generators	
		Aggregate horsepower	Steam engines and turbines		Internal combustion engines		Water wheels and water turbines		Electric motors driven by purchased energy					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	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	15,868,328	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	1,010,337
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	2,182	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	337,545
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	388,983	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.

No. 780.—MANUFACTURES: Summary By 16 Industrial Groups

Note.—See general note, p. 738

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	(3)
	*1933	*140,584*	*5,989,709*	*5,173,657*	*16,773,935*	*31,214,904*	*14,440,369*	(3)
	†1933	141,769	6,055,736	5,261,576	16,820,822	31,358,840	[2]19,496,269	(3)
	1931	174,255	6,506,701	7,173,232	21,680,760	41,038,402	14,538,018	(3)
	1929	209,862	8,821,757	11,607,287	38,177,900	69,960,910	19,357,643	(3)
	1927	190,938	8,334,184	10,835,978	34,802,594	62,278,116	31,783,010	42,869,403
	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	27,475,523	38,769,183
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]4,131,665	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	26,724	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	2,164,995	[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	2,827,315	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. 742.
*See footnote 10, p. 742.
†See footnote 11, p. 742.

No. 780.—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	1,868,701	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	656,314	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*	*196,530*	*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	[12]1,027,435	(3)
	1929	14,580	414,626	497,754	[13]1,361,493	3,421,004	[13]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. 781.—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 780. 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 gener al note, p. 738.

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	4, 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, 089	103, 392	130, 095	26, 703	----------
	1933	714	7, 797	8, 259	62, 741	86, 438	23, 698	----------
	1929	681	5, 897	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, 996	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. 781.—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	23,293	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 clearing 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	1,430	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	14,197	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. 781.—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				
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	2,835	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	51,281	15,449	33,636	65,170	31,534	27,308

* See headnote, p. 743.
[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" 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. 781.—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.								
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	----------
	1929	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	1,898	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	181,879
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 general note, p. 743.
[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. 781.—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	17,460	*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	313	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	64,986	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 general note, p. 743.

[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. 781.—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	68,739	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	132,091	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. 743.

[11] No comparable data for earlier years.

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

No. 781.—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: 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	51,047
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 general note, p. 743.

[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. 781.—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	137,261
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	29,970	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. 781.—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. e. 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 PAPER 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 general note, p. 743.

[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. 781.—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	863	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 general note, p. 743.

[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. 781.—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 data are not available for horsepower.

No. 781.—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				
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	----------
	1932	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	1,886	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. 781.—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	197,970	308,345	110,375	----------
	1933	374	44,191	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	139,510	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. 781.—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	11,349	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	80,969	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	894,859	----------
	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	730,974	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. 781.—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	831,384	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	147,491
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	9,096
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	15,289
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	68,630
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	2,266
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. 781.—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	30,662	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	36,275	61,823	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	13,532	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	150,620
Wirework, not elsewhere classified.	1935	536	25,165	25,426	55,654	117,569	61,916	----------
	1933	429	17,633	14,155	35,220	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. 781.—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	1,229	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	4,709	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. 781.—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	370,604	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*	*423,511*	*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. 781.—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. 781.—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	675	155,310	206,346	187,529	420,097	232,568	----------
	1933	*716*	*175,848*	*196,530*	*144,958*	*361,495*	*216,537*	----------
	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	4,089	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	890	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	429,272	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 *66,878*	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	184,216	----------
	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. 781.—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	265	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 manufactures of crayons formerly classified in "Artists' materials" but now in "Pencils (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. 781.—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	9,605	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	58,289	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. 782.—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. 738.

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*	*10,836,978*	*34,802,594*	*62,278,116*	*27,475,522*	*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	3,987,652	1,975,428	----------
	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	4,566,155
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	535,560	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	2,869	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. 782.—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	848,637	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	472,690	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. 782.—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	168,730	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. 782.—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	56,564	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, and $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. 782.—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	16,087	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 812, p. 793.

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

No. 783.—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. 738.

[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	6,055,736	7,378,845	5,261,576	7,545,338	31,358,840	45,759,763	14,538,018	19,496,269
Total for areas	3,296,268	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	59,020
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. 784.—INDEXES OF INDUSTRIAL PRODUCTION

NOTE.—**Monthly average, 1923-25=100.** The manufactures index covers 49 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 785 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	1935:				1936—Contd.			
1920	87	87	89	January	90	90	95	April	101	100	106
1921	67	67	70	February	90	88	97	May	101	101	102
1922	85	86	74	March	88	87	97	June	104	105	100
1923	101	101	105	April	86	86	88	July	108	109	101
1924	95	94	96	May	85	84	90	August	108	110	99
1925	104	105	99	June	87	85	99	September	109	110	102
1926	108	108	108	July	86	87	85	October	110	111	105
1927	106	106	107	August	88	89	83	November	114	115	112
1928	111	112	106	September	91	92	87	December	121	121	117
1929	119	119	115	October	95	95	93	1937:			
1930	96	95	99	November	96	97	93	January	114	115	109
1931	81	80	84	December	101	101	102	February	116	116	115
1932	64	63	71	1936:				March	118	117	128
1933	76	75	82	January	97	96	104	April	118	118	115
1934	79	78	86	February	94	92	111	May	118	118	116
1935	90	90	91	March	93	93	97	June	114	114	114
1936	105	105	104								

No. 785.—MANUFACTURING PRODUCTION: INDEXES FOR SELECTED GROUPS OF INDUSTRIES

NOTE.—**Monthly average, 1923-25=100.** See headnote, table 784. 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	Food products	Newsprint production	Lumber, cut	Automobiles	Leather and products	Cement	Plate glass	Petroleum refining	Rubber tires and tubes	Tobacco products
1919	84	82	92	94	92	84	50	104	54	(2)	54	(2)	82
1920	87	99	84	84	101	86	58	97	67	(2)	64	(2)	87
1921	67	46	87	83	82	72	41	90	66	(2)	64	55	85
1922	86	82	99	94	97	87	66	102	76	(2)	74	77	89
1923	101	105	105	99	99	101	102	108	92	90	86	86	96
1924	94	89	91	103	98	98	91	95	100	92	99	98	99
1925	105	106	104	98	103	101	107	97	108	118	115	116	105
1926	108	113	104	97	112	98	108	99	110	130	127	116	112
1927	106	104	113	96	99	92	86	103	115	112	136	120	118
1928	112	119	107	98	94	91	110	102	118	132	152	144	124
1929	119	130	115	97	93	91	135	104	114	152	168	135	134
1930	95	94	91	93	86	64	85	92	108	107	161	100	131
1931	80	60	94	90	78	41	60	90	84	88	155	96	123
1932	63	31	83	87	68	25	35	85	51	53	140	78	111
1933	75	53	97	92	63	32	48	97	43	91	145	88	116
1934	78	60	85	99	64	32	69	100	52	94	151	92	128
1935	90	79	104	79	61	(2)	99	109	51	181	164	97	135
1936	105	110	111	90	62	(2)	112	115	75	199	182	115	152
1936													
January	96	86	105	92	60	(2)	108	120	47	201	169	107	148
February	92	83	102	84	60	(2)	93	113	49	174	172	89	148
March	93	83	100	87	62	(2)	107	108	58	184	168	85	140
April	100	100	99	90	60	(2)	122	112	72	213	178	113	152
May	101	105	100	84	59	(2)	117	113	74	220	180	121	145
June	105	112	107	88	62	(2)	118	103	75	218	181	130	147
July	109	119	116	92	60	(2)	124	114	75	220	183	124	154
August	110	120	119	91	61	(2)	111	115	77	226	186	119	147
September	110	119	120	90	61	(2)	107	112	81	236	189	122	157
October	111	127	114	93	62	(2)	93	112	87	242	191	118	146
November	115	137	121	98	67	(2)	105	116	91	164	188	126	150
December	121	143	139	99	64	(2)	122	134	91	89	191	123	183
1937													
January	115	139	124	89	63	(2)	120	136	86	77	189	123	165
February	116	129	126	87	62	(2)	120	134	85	244	194	133	168
March	117	126	129	92	64	(2)	121	132	93	229	190	132	153
April	118	130	124	98	62	(2)	130	131	87	241	195	133	158
May	118	134	123	83	62	(2)	135	133	78	223	200	132	155
June	114	119	126	80	61	(2)	130	118	74	260	202	123	150

[1] Includes industries not shown separately in this table. See also headnote, table 784.
[2] Comparable data not available; estimated figures are included with the total for manufactures.

Source of tables 784 and 785: Board of Governors of the Federal Reserve System.

No. 786.—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	295,441	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	20,721
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 tires)	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	5,494	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	15,318	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	4,675	(1)	1,148
Levers laces					8,756	(1)	9,980
Other lace products					3,250	(1)	3,337
KNIT GOODS							
Total value					881,176	437,402	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. 774.

No. 786.—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	Sq. yard	9,651	7,857	8,754	25,112	8,684	8,953
Plushes	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	35,709	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					147,135	149,740	24,878
WOOLEN AND WORSTED GOODS [8]							
Total value					811,868	448,947	[9] 580,134
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	Pound	159,473	135,440	97,402	199,758	111,977	101,620
Noils and wool waste for sale	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] 33,326
FELT GOODS							
Total value					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	2,607	(13)		1,183	(13)	
Carpet linings and cushions	do	21,613	28,973	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. 774.

No. 786.—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	8,299	5,598	6,231
Other	do	18,031	1,064	5,973	2,670	189	992
Twine, binder [10]	do	178,605	142,614	108,811	18,395	6,991	6,630
Twine, cotton	do	85,988	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	97,935	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.
[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. 787.—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 781, p. 755. Data for 1925 to 1936 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, and 99 percent for 1934 to 1936

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	24,587	5,914	8,564	(6)	23,899	9,549
1928	344,351	90,970	23,032	123,753	37,135	23,835	1,547	3,760	(6)	32,736	7,583
1929	361,402	94,770	22,993	131,303	39,927	23,750	1,768	3,121	(6)	36,614	7,156
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

[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 793, p. 780.
[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 786 and 787: Bureau of the Census, Department of Commerce.

No. 788.—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
1925	22,297	13,877	42,485	33,087	1931	16,234	12,438	48,637	32,443
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

No. 789.—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)	(3)	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	(3)	(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	3,006
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. 738.
[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 788, Tanners' Council of America; table 789, Bureau of the Census, Dept. of Commerce.

No. 790.—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	66,364	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)	5,161	(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 (NH_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	4,964
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	28,790	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. 777.

No. 790.—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	36	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	10,305	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	3,060	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)	84,068	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 35 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 791), 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. 791.—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	387,657	6,932	6,226	4,541
Chlorine, for sale	do	289,855	255,511	414,760	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	242,528	256,715	46,666	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	53,064	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. 738.
[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. 779. 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. 791.—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	6,503	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
Dentrifrices	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. 738.
[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. 792.—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. 793.—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 [4]	Pound	(2)	(2)	266,785	(3)	(3)	11,774

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

Source of tables 792 and 793: Bureau of the Census, Department of Commerce.

No. 794.—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	1,073,119	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	2,637,126	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. 795.—ENGINES, TURBINES, TRACTORS, WATER WHEELS, WINDMILLS, AND LOCOMOTIVES

Value in thousands of dollars]

Class	1927	1929	1931	1933	1935
Total	368,181	468,617	161,151	58,573	223,775
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	1,505	
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, internal-combustion	136,836	196,953	57,527	18,004	121,301
Windmills	3,327	4,063	1,214	1,400	1,813
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	58,315	62,805	12,349	429	[3] 19,912

[1] Excluding engines built for installation in motor vehicles manufactured in the same establishments.
[2] Excluding engines built for installation in aircraft manufactured in the same establishment.
[3] Value of electric locomotives included to avoid disclosing data reported by individual establishments.

Source of tables 794 and 795: Bureau of the Census, Department of Commerce.

No. 796.—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 797 to 801.

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, 339	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, 935
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, 891
Electrical machinery	203, 995	253, 594	[2] 138, 425	[2] 74, 933	[2] 151, 501
Elevators and elevator machinery	43, 152	44, 044	20, 035	8, 322	9, 110
Engines (steam or internal-combustion), and water wheels [3]	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 and internal-combustion)	60, 650	65, 203	13, 073	787	[4] 21, 735
Machine tools	105, 555	186, 374	58, 712	23, 936	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, bicycles, and parts [5]	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, 663	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	53, 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, 972	[6] 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] Includes motor parts.
[3] Excluding steam boilers for sale as separate units.
[4] Includes electric locomotives.
[5] Includes motorcycle side cars.
[6] Includes electric and other vacuum cleaners.

Source: Bureau of the Census, Department of Commerce.

No. 797.—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	5,862
Control apparatus (motor and other)	[3] 34,181	[3] 44,280	[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, portable	36,222	35,108	24,847	14,410	24,191
Flatirons	7,917	8,018	5,070	4,639	6,554
Cooking utensils	11,668	13,377	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	13,372	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	24,583
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	29,986	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. 798.—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)			
	1930	1931	1935	1936	1930	1931	1935	1936
All products, total value					507,002	214,391	334,210	487,273
Plows and listers					37,830	12,084	19,632	25,997
Moldboard plows [1]	480,138	162,506	389,047	418,045	15,132	3,429	7,887	12,803
Disk plows	38,106	9,406	12,649	17,620	6,263	1,573	1,876	2,702
Listers, 1-row	36,082	6,859	15,039	13,876	750	130	415	459
Other plows and listers					3,159	947	978	1,340
Attachments and parts, including plow stocks and steel plow shapes					12,526	6,005	8,476	8,694
Harrows, rollers, pulverizers, and stalk cutters					13,815	5,868	9,038	13,240
Disk harrows	113,764	46,853	82,756	109,680	7,377	3,069	5,195	7,445
Spike-tooth and spring-tooth harrow sections	407,752	163,734	276,272	337,483	3,278	1,287	2,250	2,696
Stalk cutters	11,487	2,297	5,161	5,793	415	86	166	191
Other, including attachments and parts					2,745	1,425	1,428	2,908
Planting and fertilizing machinery					26,087	10,862	15,019	23,374
Corn planters [2]	64,595	35,926	34,445	59,013	3,214	1,727	1,365	2,649
Combined corn and cotton planters [2]	95,438	15,383	49,479	57,728	2,671	508	1,254	1,299
Combined listers and drills [2]	15,323	2,031	3,822	8,437	951	140	359	812
Grain drills	46,796	11,380	32,410	47,218	6,480	1,419	4,130	6,407
Broadcast seeders [3]	24,990	10,468	5,282	10,030	467	231	125	228
Manure spreaders	47,722	19,707	31,462	53,361	5,526	2,101	3,615	6,222
Other, including attachments and parts					6,779	4,734	4,171	5,757
Cultivators and weeders					21,892	8,595	11,973	18,786
1-row, horse-drawn cultivators	295,942	107,323	179,846	184,396	5,675	2,011	2,565	3,021
2-row, horse-drawn cultivators	44,659	10,405	5,845	1,300	3,684	874	451	69
Tractor-drawn cultivators	56,250	15,631	54,519	115,957	5,154	1,794	4,474	10,013
Hand cultivators	171,213	160,360	241,312	304,789	500	429	438	559
Other, including attachments and parts					6,879	3,487	4,045	5,124
Harvesting machinery					62,145	19,955	23,667	40,594
Grain binders (including rice binders)	46,166	15,356	47,680	66,970	7,787	2,451	7,630	11,424
Combines (harvester-threshers)	24,409	5,907	3,872	16,983	32,739	9,195	3,964	13,337
Corn binders (row binders)	13,566	(4)	19,290	19,364	1,922	(4)	2,947	3,160
Potato diggers	10,055	4,700	5,159	5,536	723	335	377	407
Other harvesting machinery					6,651	2,904	1,495	2,642
Attachments and parts					12,323	5,071	7,253	9,624
Haying machinery					17,186	7,089	14,753	18,984
Mowers	117,601	43,312	118,898	124,651	6,466	2,378	6,893	7,799
Rakes, sulky (dump) and sweep	63,070	24,904	45,974	55,055	2,089	775	1,504	1,910
Loaders	28,222	10,042	8,813	22,742	2,278	828	655	2,166
Other haying machinery					2,603	799	1,262	2,372
Attachments and parts					3,750	2,310	4,439	4,736
Machines for preparing crops for market or use					20,760	12,048	15,477	23,652
Threshers, except peanut	8,886	4,086	4,725	8,774	7,343	3,212	3,699	7,223
Ensilage and feed cutters	9,811	5,123	9,314	15,468	1,454	637	1,604	2,459
Corn shellers	32,517	16,853	51,968	68,251	897	540	385	783
Corn huskers and shredders	599	631	1,304	1,428	266	294	648	635
Hay presses	3,068	1,627	4,724	4,686	1,065	588	1,482	1,698
Feed grinders and crushers	69,564	44,538	54,966	53,509	2,896	2,847	2,827	2,335
Other, including attachments and parts					6,838	3,930	4,831	8,518
Tractors					205,657	75,572	147,826	214,854
Wheeled type	176,075	61,940	138,084	193,947	123,291	42,601	83,428	120,801
Track-laying type	20,222	7,089	18,774	27,299	48,242	13,316	37,057	54,603
Garden tractors	6,161	2,675	4,273	5,939	1,102	590	816	1,101
Attachments and parts					33,022	19,065	26,525	38,349
Farm wagons and trucks					4,693	1,884	5,889	[5] 7,838
Farm wagons	24,243	10,316	48,708	60,970	2,073	755	2,948	3,643
Farm trucks	39,746	16,043	49,640	[5] 48,087	1,585	623	1,532	[5] 1,949
Attachments and parts					1,035	506	1,408	2,247
Miscellaneous equipment					96,936	60,433	70,937	99,956
Stalls, stanchions, and stock pens					2,582	1,400	1,087	1,303
Stock tanks and waterers	317,797	204,406	202,991	285,394	1,989	1,174	1,065	1,869
Windmills and windmill towers	94,061	46,663	69,944	94,637	3,554	1,652	2,468	3,391
Other, including attachments and parts					88,812	56,207	66,316	93,394

[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 include 3,139 farm trailers valued at $343,597. No data for years prior to 1936.

Source: Bureau of the Census, Department of Commerce.

No. 799.—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	4,672
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. 800.—MACHINE-TOOL ACCESSORIES AND MACHINISTS' PRECISION TOOLS AND INSTRUMENTS: Value, by Kinds

Product	Value (thousands of dollars)		
	1931	1933	1935
Total value	74,551	46,878	104,939
Attachments and fixtures	47,863	25,894	58,491
General equipment:			
Chucks	1,000	714	1,873
Vises (machine)	30	81	161
Attachments for machine tools:			
Lathe	200	104	229
Boring, drilling, and milling machine	1,430	805	1,028
Other attachments		99	628
Other attachments and fixtures	2,095	1,592	3,001
Special equipment and machinery	43,108	22,501	51,571
Small tools and tool holders	(1)	17,509	39,367
Arbors, collars, and collets (lathe, milling-machine, and drill)	192	164	499
Counterbores	323	56	507
Countersinks and combination countersinks and drills	193	104	356
Drills	4,897	4,508	8,981
Hobbing cutters	1,106	484	2,131
Small tools and tool holders—Continued:			
Milling cutters (all types), end mills, slotting cutters, etc.:			
Solid	3,326	2,447	5,262
Inserted-teeth	805	1,212	1,786
Reamers	2,145	1,220	3,184
Threading tools:			
Taps and dies (not pipe-threading):			
Taps	2,383	1,848	3,806
Dies	856	652	1,513
Chasers	1,346	1,018	1,789
Pipe-threading:			
Taps	261	405	424
Dies	532	456	475
Pipe stocks, complete with dies	1,084	650	1,306
All other, and those not reported by kind	2,664	2,285	7,347
Precision measuring tools (micrometer and vernier)	2,075	186	1,183
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		1,910	2,993

[1] Total cannot be given as value of "All other small tools and tool holders," etc., is not segregated.

Source: Bureau of the Census, Department of Commerce.

No. 801.—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	1,659	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	29,825

[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. 802.—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	4,885
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	(3)	(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. 803.—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	13,285	(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] 10,748
CARS, STEAM AND ELECTRIC RAILROAD [4]						
Total value	----------	----------	----------	347,396	101,134	[7] 93,490
Cars	----------	----------	----------	249,679	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)	26,359	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	697	(5)	19	24
Wheelbarrows	(5)	(8)	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. 738).

[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. 804.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1937 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. The number of active cotton spindles represents spindles operated at some time during the year, and is not as satisfactory a measure of activity of the industry as active spindle hours.

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Active cotton spindle hours (thousands)	Cotton consumed, excluding linters[1] (thousands of bales)			
	Total in place	Active									
		United States	Cotton-growing States	New England	Other States			United States	Cotton-growing States	New England	Other States
1840	(2)	2,285	181	1,597	506	(2)	(2)	237	71	159	7
1850	(2)	3,998	265	2,959	775	(2)	(2)	576	78	431	67
1860	(2)	5,236	324	3,859	1,053	(2)	(2)	845	94	567	184
1870	(2)	7,132	328	5,498	1,306	(2)	(2)	797	69	551	177
1880	(2)	[3] 10,653	[3] 561	[3] 8,632	[3] 1,460	(2)	(2)	[3] 1,570	[3] 189	[3] 1,129	[3] 252
1890	(2)	14,384	1,570	10,934	1,880	(2)	(2)	2,518	539	1,502	477
1900	(2)	19,472	4,368	13,171	1,933	(2)	(2)	3,873	1,523	1,909	440
1910	28,929	28,267	10,494	15,735	2,038	(2)	(2)	4,622	2,234	1,995	393
1920	36,834	35,481	15,231	18,287	1,963	402	(2)	6,420	3,583	2,397	440
1921	36,618	36,047	15,709	18,388	1,951	336	(2)	4,893	2,997	1,614	282
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	36,696	34,410	17,894	14,995	1,521	235	102,605	7,190	5,194	1,675	321
1928	35,540	33,570	18,282	13,815	1,473	232	96,451	6,834	5,114	1,438	282
1929	34,820	32,417	18,541	12,538	1,339	207	99,604	7,091	5,392	1,447	251
1930	34,025	31,245	18,586	11,351	1,308	177	87,515	6,106	4,749	1,143	214
1931	32,673	28,980	18,073	9,655	1,251	117	75,264	5,263	4,148	937	179
1932	31,709	27,272	17,630	8,566	1,076	113	68,755	4,866	4,033	677	155
1933	30,893	26,895	17,929	8,205	761	119	85,265	6,137	5,087	884	167
1934	30,942	27,742	18,511	8,457	774	126	80,419	5,700	4,550	985	165
1935	30,093	26,701	18,212	7,763	726	88	72,526	5,361	4,306	818	237
1936	28,147	24,664	17,834	6,092	738	78	83,960	6,351	5,336	832	184
1937	26,982	25,419	18,244	6,425	751	91	101,225	7,950	6,626	1,073	251

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
1921	4,893	4,677	4,641	19	17	216	516	1,111	1,021	90	201
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

[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. 805.—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)				
	1934–35	1935–36	1936–37	1934–35	1935–36	1936–37	1926–1930, average	1931–1935 average	1934–35	1935–36	1936–37
United States	30,093	28,147	26,982	72,526	83,960	101,225	6,735	5,466	5,361	6,351	7,950
Cotton-growing States	19,340	19,025	18,891	54,643	65,275	77,667	4,990	4,425	4,306	5,336	6,626
New England	9,741	8,135	7,172	16,245	16,816	21,228	1,466	860	818	832	1,073
Other States	1,012	988	919	1,639	1,868	2,330	279	181	237	184	251
Alabama	1,921	1,874	1,901	5,251	6,460	7,839	563	570	556	689	856
Connecticut	881	795	669	1,681	1,648	2,052	101	60	58	60	77
Georgia	3,384	3,300	3,309	9,431	11,541	13,815	1,139	985	956	1,225	1,562
Maine	951	782	710	1,625	2,021	2,760	126	111	94	120	169
Massachusetts	5,375	4,388	4,000	8,494	9,186	10,989	823	442	441	450	539
New Hampshire	1,095	982	677	1,885	1,257	1,781	208	149	133	105	157
New York	533	509	466	643	797	1,039	139	76	70	86	116
North Carolina	6,129	6,052	6,040	15,713	19,445	23,073	1,534	1,298	1,250	1,645	2,021
Rhode Island	1,321	1,089	1,017	2,290	2,423	3,310	199	91	84	89	120
South Carolina	5,840	5,756	5,685	18,905	21,633	25,472	1,196	1,103	1,056	1,255	1,511
Tennessee	633	640	632	1,879	2,336	2,601	157	139	130	154	191
Texas	259	254	255	455	585	962	122	74	68	81	131
Virginia	655	649	667	1,989	2,055	2,377	120	128	145	155	174
All other States	1,115	1,078	954	2,287	2,572	3,065	309	240	322	238	326

Source: Bureau of the Census, Department of Commerce.

No. 806.—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					
1912	489,393	24,630	234,469	230,293		1935	308,381	39,170	200,324	66,888
1913	500,012	27,686	242,387	229,940		Coal mining	122,221	38,665	21,958	61,598
1914	450,251	25,698	218,454	206,100		Metal mining	56,581	75	55,841	665
1915	460,901	27,350	235,829	197,722		Quarrying and nonmetallic mineral mining	36,388	329	34,222	1,838
1916	505,415	34,685	255,155	215,575		Railway and other construction work	84,210	80	79,709	4,420
1917	582,475	43,041	262,316	277,119		All other purposes	8,982	21	8,594	368
1918	499,125	46,045	206,416	246,663		1936	391,605	47,859	262,047	81,698
1919	417,634	38,855	198,269	180,511		Coal mining	142,116	47,002	24,053	71,061
1920	537,955	53,963	229,112	254,880		Metal mining	77,208	68	76,657	483
1921	372,108	41,134	170,952	160,021		Quarrying and nonmetallic mineral mining	52,590	580	49,779	2,232
1922	431,772	43,430	209,476	178,866		Railway and other construction work	106,622	136	98,773	7,713
1923	529,728	60,371	267,405	201,951		All other purposes	13,068	74	12,785	209
1924	495,533	55,134	273,323	167,076						
1925	501,752	58,353	286,435	[1]156,964	(1)					
1926	535,890	67,685	310,518	[1]157,687	(1)					
1927	499,011	63,847	303,468	[1]131,696	(1)					
1928	475,251	60,708	292,785	98,004	23,754					
1929	509,708	62,669	326,993	86,818	33,227					
1930	445,090	53,826	291,391	63,139	36,735					
1931	337,565	41,578	216,157	46,300	33,530					
1932	233,887	32,225	137,908	35,793	27,961					
1933	255,987	33,927	157,849	33,887	30,323					
1934	314,768	39,208	206,625	37,193	31,742					
1935	308,381	39,170	200,324	34,223	34,665					
1936	391,605	47,859	262,047	40,420	41,278					

[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. 807.—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 57,387,459 cigars in 1936. 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	16,017	10,795	221,865	31,140	7,087,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	41,565,670
1921–1925	409,457	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	109,361,216
1931–1935	349,785	64,662	5,404	3,660	239,072	36,987	4,648,368	245,412	20,417	121,702,334
1929	381,200	96,744	8,188	5,556	229,585	41,127	6,518,533	419,880	9,952	122,392,381
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	5,080	2,970	237,862	36,894	4,525,750	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	158,893,958

State	Number of factories Jan. 1, 1936, making—			Production in 1935 (calendar year)				
	Tobacco and snuff [2]	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	**702**	**4,905**	**96**	**342,728**	**4,685,370**	**177,822**	**2,504**	**139,966,180**
California	26	169	7	192	60,385	11	5	3,548,961
Connecticut	9	139	1	41	32,252			7
Florida	4	206	1	3	635,205	2,617		263
Illinois	85	537	3	26,948	38,243			5
Indiana	32	94		168	82,890			
Kentucky	40	31	3	36,621	5,138			11,766,130
Louisiana		16		(3)	64,934			
Massachusetts	25	288	7	336	44,992		4	6,540
Michigan	20	135	2	8,375	228,650			7,111
Minnesota	20	87		57	13,013			
Missouri	11	100	2	35,223	28,206		20	10,952
New Hampshire	2	48		1	57,867			
New Jersey	14	154	4	7,658	519,182	1,284	17	5,292,248
New York	137	1,095	42	2,163	254,819	4,144	1,437	66,870
North Carolina	13	9	7	118,317	30,827	17,358	817	75,244,457
Ohio	56	284		47,650	255,041	113		2
Pennsylvania	89	766	8	5,711	1,766,638	261	205	2,135,344
South Carolina	2	4		15	188,158			
Tennessee	14	18		17,813	4,295			
Virginia	7	20	9	25,515	198,566	152,034		41,887,289
West Virginia	7	40		7,353	88,865			
All other	89	665		2,568	87,203			

[1] Includes scrap chewing tobacco.
[2] Factories producing a taxable product, excluding 241 "quasi" manufacturers.
[3] Less than 500 pounds.

Source: Bureau of Internal Revenue, Treasury Department.

No. 808.—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 809

Item	1930	1931	1932	1933	1934	1935	1936
Leaf tobacco consumed in manufacture:							
In registered factories	779,806	752,404	690,134	710,668	775,530	775,932	847,367
In bond	4,175	425	635	1,283	943	1,027	1,165
Manufactured tobacco imported:							
From Puerto Rico	2,261	2,307	1,081	905	903	853	682
Other countries [1]	2,408	2,458	2,393	2,010	3,353	4,456	3,299
Exports of manufactured tobacco [2]	22,251	16,149	13,501	13,606	16,526	18,646	21,543
Remaining for consumption	766,399	741,445	680,741	701,260	764,204	763,622	830,970
Per capita consumption—pounds	6.23	5.97	5.45	5.58	6.04	5.99	6.47

[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. 809.—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 808).

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	1926	737,364	152,372	267,584	317,399
1901-1905	451,461	124,411	12,444	314,606	1927	744,288	152,510	290,464	301,314
1906-1910	524,193	139,206	22,079	362,908	1928	754,625	151,290	310,159	293,176
1911-1915	578,283	151,890	52,207	374,186	1929	796,626	152,129	346,543	297,953
1916-1920	650,460	155,312	130,320	364,828	1930	779,806	137,901	347,915	293,990
1921-1925	672,077	151,421	198,069	322,588	1931	752,404	127,628	329,962	294,813
1926-1930	762,540	149,240	312,533	300,767	1932	690,134	104,288	299,029	286,817
1931-1935	740,934	112,296	345,985	282,652	1933	710,668	104,699	326,093	279,876
1923	689,036	159,753	200,395	328,889	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

No. 810.—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	----------
1923	124,626	123,208	1,417	13,975	285	57	(8)	5,269
1924	137,530	136,682	847	8,507	1,430	346	(8)	4,891
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)	4,151
1929	205,038	203,844	1,194	11,382	409	35	(8)	3,866
1930	197,221	196,805	416	3,155	445	31	(8)	3,681
1931	170,394	169,574	820	6,659	1	22	(8)	3,137
1932	150,391	149,760	631	5,210	1	(7)	(8)	2,766
1933	123,405	121,819	1,586	18,756	573	(7)	[9] [10] 9,798	1,261
1934	241,610	233,036	8,574	77,778	10,657	(7)	[10] 37,678	136
1935	349,772	339,895	9,877	91,930	6,214	23,094	45,229	131
1936	449,994	429,900	20,094	170,876	8,277	32,449	51,812	119
1937	482,138	469,666	12,472	122,048	9,623	44,311	58,748	103
Withdrawals, tax-paid: [6]								
1934	38,601	37,557	[11] 1,044	14,526	5,688	----------	32,266	[12] 135
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	7,904	----------	55,392	[12] 101
Imports for consumption:								
1935	[13] [14] 7,183	[13] [14] 6,724	[13] 459	2,443	[15] 289	302	22	----------
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	----------

[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 prior 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 40,206 gallons (regulation) of ethyl alcohol (pure grain) for 1935, 44,289 gallons for 1936, and 212 gallons for 1937, not convertible into proof gallons. [15] In thousands of wine gallons.

Source of tables 809 and 810: Bureau of Internal Revenue, Treasury Department.

No. 811.—DENATURED ALCOHOL [1]

Year ended June 30—	Alcohol produced at industrial alcohol plants [2]	Denaturing plants	Ethyl alcohol withdrawn for denaturization [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
1926	202, 271, 670	97	195, 480, 934	65, 881, 442	39, 494, 444	105, 375, 886
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

[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. 812.—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, 339		[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, 065
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, 109	154, 436	119, 343	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:				
Theatrical:					Positive films, cost	10, 646	12, 556	7, 625	6, 317
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. 813.—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	203,977	12,326	1,222	81,566	68,881	[11] 2,278	7,361	3,046
1926–1930	459,904	--------	234,857	219,384	13,796	1,677	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
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	--------	767	158
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

[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; and 49 in 1936.

Source: United States Patent Office, Department of Commerce.