32.—MANUFACTURES

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

GENERAL NOTE.—Prior to 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 for 1921 (except as to certain major items shown in Table 754 only), 1923, and 1925 relate only to establishments having products valued at $5,000 or more. However, in 1921, establishments having products valued at $500 or more but less than $5,000, while constituting 21 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of the product.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Table 753 and from Tables 755 to 757. Data for the "Coffee and spice, roasting and grinding" industry have also been omitted for all years in the third section of Table 753.

Figures for wages and value of materials and products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages.

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

No. 753.—MANUFACTURES: SUMMARY, 1849 TO 1925

	Number of establishments	Number of salaried officers and employees	Wage earners (average number)	Horsepower	Salaries	Wages	Cost of materials	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries:									
1849	123	[1]	957	[2]	[1]	237	555	1,019	464
1859	140	[1]	1,311	[2]	[1]	379	1,032	1,886	854
1869	252	[1]	2,054	2,346	[1]	620	1,991	3,386	1,395
1879	254	[1]	2,733	3,411	[1]	948	3,397	5,370	1,973
1889	355	[1]	4,252	5,939	[1]	1,891	5,162	9,372	4,210
1899	512	[1]	5,306	10,098	[1]	2,321	7,344	13,000	5,656
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:									
1899	208	364	4,713	[3]	381	2,008	6,576	11,407	4,831
1904	216	520	5,468	13,488	574	2,610	8,500	14,794	6,294
1909	268	790	6,615	18,675	939	3,427	12,143	20,672	8,529
1914	273	963	7,024	22,421	1,274	4,068	14,359	24,217	9,858
Factories, excluding establishments with products valued at less than $5,000:									
1914	176	[4] 956	6,888	[4] 22,264	[4] 1,266	[4] 4,063	14,162	23,837	9,675
1919	214	[4] 1,429	8,990	[4] 29,298	[4] 2,864	[4] 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	25,777
1925	187	1,340	8,384	35,773	3,147	10,730	35,936	62,714	26,778

[1] No comparable data.
[2] Not called for on schedule.
[3] Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.
[4] Includes data for all establishments reporting products valued at $500 or more. These items are not tabulated separately for establishments reporting products valued between $500 and $5,000.

Source: Bureau of the Census, Department of Commerce.

No. 754.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS [1]

[NOTE.—Data for the "Coffee and spice, roasting and grinding" industry omitted for 1925 but included for other years. See general note, p. 749]

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than $5,000:						
1925	(2)		(2)		(2)	
1923	(2)		(2)		(2)	
1921	[3] 53,999		[3] 40,924	0.6	[3] 136,926,075	0.3
1919	65,485		45,813	.5	167,085,044	.3
1914	97,060		129,623	1.8	233,381,081	1.0
$5,000 and over:						
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,309	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	224,620	100.0	9,050,559	99.5	62,250,993,729	99.7
1914	178,731	100.0	6,906,624	98.2	24,013,053,643	99.0
$5,000 to $20,000:						
1925	55,876	29.8	156,373	1.9	628,373,403	1.0
1923	61,981	31.6	189,738	2.2	697,996,736	1.1
1921	71,075	36.2	224,852	3.2	782,977,433	1.8
1919	87,440	38.9	249,722	2.7	945,602,857	1.5
1914	87,931	49.2	429,037	6.1	905,693,168	3.7
$20,000 to $100,000:						
1925	68,951	36.8	660,309	7.9	3,272,196,872	5.2
1923	72,370	36.9	718,746	8.2	3,426,433,520	5.7
1921	72,251	36.8	746,024	10.7	3,330,350,409	7.6
1919	77,911	34.7	793,528	8.7	3,571,283,301	5.7
1914	56,814	31.8	999,510	14.2	2,550,229,411	10.5
$100,000 to $500,000:						
1925	42,209	22.5	1,675,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,266	19.6	9,496,592,898	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,647	17.7	1,719,982	18.9	8,965,872,131	14.4
1914	25,847	14.5	[4] 3,002,071	[4] 42.7	5,742,376,392	23.7
$500,000 to $1,000,000:						
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	966,559	13.8	5,296,720,583	12.1
1919	9,208	4.1	1,114,615	12.3	6,467,131,823	10.4
1914	4,320	2.4	(4)	(4)	3,020,693,743	12.5
$1,000,000 and over:						
1925	10,583	5.6	4,760,229	56.8	42,366,941,140	67.6
1923	10,327	5.2	5,013,509	57.1	40,182,156,874	66.4
1921	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919	10,414	4.6	5,172,712	56.9	42,301,103,617	67.8
1914	3,819	2.1	2,476,006	35.2	11,794,050,929	48.3

[1] To make the percentages for the numbers of establishments comparable, those for all 4 years have been based on the numbers of establishments reporting products valued at $5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923 and 1925.

[2] No data for establishments with products under $5,000 in value have been tabulated for 1923 and 1925.

[3] The data for the 53,999 establishments in the "Less than $5,000" class are not included in other tables.

[4] Data for $500,000 to $1,000,000 class and $100,000 to $500,000 class combined.

Source: Bureau of the Census, Department of Commerce.

No. 755.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY

[NOTE.—"Primary power" includes rented electric power, but not other rented power. No data for prime movers were collected for 1921. To render all statistics comparable with those for 1925, figures for power other than electric and data for the "Automobile repairing" industry have been deducted for 1919, and data for the "Coffee and spice, roasting and grinding" industry, for 1919 and 1923]

Division and industry	Number of establishments reporting power	Prime movers										Electric motors driven by current generated in establishment reporting		Electric generators	
		Total primary horsepower	Steam engines and turbines		Internal-combustion engines		Water wheels and water turbines[1]		Electric motors driven by purchased current					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower			Number	Kilowatt rating
United States:														
1925	167,649	35,772,628	82,176	16,916,856	14,362	1,186,116	8,393	1,800,828	1,724,180	15,868,828		772,445	10,254,745	23,635	6,887,045
1923	172,754	33,056,870	90,019	16,697,573	15,696	1,223,297	9,289	1,803,220	1,419,378	13,332,780		616,020	8,819,217	(2)	(2)
1919[3]	222,253	29,297,963	122,455	17,031,615	30,437	1,240,868	13,976	1,765,031	972,062	9,260,449		486,130	6,965,174	(2)	(2)
GEOGRAPHIC DIVISION, 1925															
New England	16,628	4,349,191	6,811	1,800,267	694	38,866	3,222	777,472	209,547	1,732,586		120,546	1,234,115	3,197	992,470
Middle Atlantic	51,046	10,106,390	20,340	5,035,646	3,553	347,197	2,174	325,962	522,179	4,397,585		250,689	3,128,254	6,517	1,992,423
East North Central	38,324	10,047,780	18,918	4,762,945	3,083	395,788	1,330	245,364	501,924	4,643,683		263,698	3,520,410	7,630	2,136,254
West North Central	14,815	1,855,278	5,369	792,581	1,271	81,520	268	65,525	106,039	915,652		33,827	501,012	1,413	346,150
South Atlantic	15,159	3,454,150	11,106	1,467,268	2,121	150,250	887	292,285	157,878	1,544,347		52,044	777,182	1,924	586,451
East South Central	7,661	1,615,133	6,434	913,346	1,250	31,159	145	16,934	50,580	653,744		12,618	201,001	777	213,418
West South Central	7,284	1,316,933	6,018	856,559	1,276	93,453	31	2,837	37,050	364,084		13,491	287,961	1,119	235,634
Mountain	3,460	757,974	1,853	396,529	296	12,444	89	6,274	24,200	342,727		6,347	137,475	364	120,147
Pacific	13,272	2,269,749	5,327	891,715	318	35,439	247	68,175	114,783	1,274,420		19,185	467,335	694	264,098
INDUSTRY GROUP, 1925															
Food and kindred products	43,180	3,881,952	16,677	1,660,331	4,661	177,417	2,126	109,392	215,059	1,934,812		61,694	630,451	3,539	462,238
Textiles and their products	22,372	3,986,136	5,001	1,857,195	336	19,068	2,054	460,951	317,906	1,648,922		149,965	1,042,363	2,884	993,955
Iron, steel, and products, excl. machinery	5,923	7,518,999	7,341	4,464,483	754	599,456	211	19,050	138,507	2,436,010		109,121	2,953,810	2,051	1,450,275
Lumber and allied products	20,623	3,472,770	21,705	2,493,660	2,652	57,959	749	48,448	100,339	872,763		54,520	836,036	2,544	576,277
Leather and its manufactures	3,901	413,759	1,218	212,103	82	4,434	79	4,955	41,412	192,267		18,731	133,028	638	114,424
Rubber products	462	656,857	453	228,104	14	294	25	3,211	21,793	425,218		11,941	193,484	207	132,713
Paper, printing, and related industries	23,305	3,060,794	3,783	1,095,631	721	12,020	2,255	934,372	234,012	1,018,771		41,716	884,872	1,833	679,365
Chemicals and allied products	7,354	2,984,913	12,863	1,629,924	1,036	79,468	117	154,596	72,549	1,120,925		48,093	771,057	2,010	608,894
Stone, clay, and glass products	7,915	2,348,157	4,249	937,911	1,753	111,836	163	29,096	57,654	1,269,311		25,460	624,131	1,380	463,414
Metals and products, except iron and steel	5,500	1,158,486	1,110	431,200	240	20,947	71	7,299	56,766	699,040		18,597	263,936	587	253,993
Tobacco manufactures	732	42,075	154	25,138	11	73	6	207	6,141	16,657		3,162	14,974	85	14,978
Machinery, not including transportation equipment	11,482	2,714,377	2,539	733,192	1,098	63,762	395	22,166	216,843	1,895,257		120,150	927,720	2,019	526,716
Musical instruments and phonographs	421	97,318	198	57,689	19	748	4	220	7,148	38,661		5,676	49,522	127	28,527
Transportation equipment—air, land, water	2,722	1,888,961	1,454	580,693	354	16,766	31	1,487	132,521	1,290,015		74,642	593,851	2,474	379,983
Railroad repair shops	2,035	942,248	2,062	352,604	147	4,823	3	32	36,495	584,789		16,748	260,938	882	142,451
Miscellaneous industries	9,722	601,826	1,389	157,055	484	17,045	104	5,316	69,035	425,410		12,229	74,572	375	58,842

[1] Data for a small number of water motors included for 1919 but not for 1923 or 1925.

[2] Not called for on schedule.

[3] Includes data for establishments with products valued at less than $5,000. Statistics for 1923 and 1925 refer only to establishments with products valued at $5,000 or more.

Source: Bureau of the Census, Department of Commerce.

No. 756.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

[NOTE.—See general note, p. 749. Figures do not include data for establishments engaged in the "Automobile repairing" and the "Coffee and spice, roasting and grinding" industries. For explanation of term, "primary power," see headnote Table 755. Data for this item were not collected in 1921]

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower [1]
				Expressed in thousands of dollars				
All industries	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	195,580	8,768,491	10,999,282	34,480,855	60,258,470	25,777,615	33,056,870
	1921	195,555	6,937,688	8,192,952	25,154,807	43,427,224	18,272,417	----------
	1919	273,804	9,030,771	10,452,586	37,044,832	61,888,635	24,843,803	29,297,963
	1914	271,822	7,015,136	4,063,210	14,242,415	24,065,766	9,823,351	22,264,343
1. Food and kindred products. [2]	1925	48,113	664,760	793,681	7,743,678	10,418,536	2,669,858	3,881,952
	1923	51,118	672,472	785,555	6,766,003	9,226,523	2,460,520	3,685,667
	1921	51,401	617,736	736,895	5,956,684	8,041,073	2,084,389	----------
	1919	68,629	723,124	765,521	10,008,734	12,443,556	2,434,822	3,173,400
	1914	66,707	527,887	298,837	3,790,666	4,827,011	1,036,345	2,477,376
2. Textiles and their products. [3]	1925	24,433	1,627,141	1,654,013	5,348,050	9,122,858	3,774,808	3,986,136
	1923	26,767	1,715,361	1,743,851	5,394,648	9,462,634	4,067,986	3,783,504
	1921	25,960	1,509,789	1,472,390	3,801,252	6,956,715	3,155,463	----------
	1919	28,457	1,610,067	1,481,183	5,379,557	9,211,190	3,831,633	3,248,456
	1914	23,364	1,506,197	675,902	2,014,099	3,445,481	1,431,382	2,717,369
3. Iron and steel and their products, not including machinery.	1925	6,068	851,270	1,284,339	3,734,350	6,461,668	2,727,318	7,518,999
	1923	6,358	892,660	1,324,588	4,152,918	6,828,841	2,675,923	7,202,426
	1921	6,255	571,798	731,186	2,140,344	3,456,390	1,316,046	----------
	1919	7,621	858,571	1,244,405	3,423,678	5,889,523	2,465,845	6,430,002
	1914	6,331	618,349	421,988	1,315,810	2,137,628	821,818	4,587,816
4. Lumber and allied products.	1925	21,922	921,145	978,375	1,724,983	3,688,552	1,963,569	3,472,770
	1923	21,674	931,748	962,542	1,666,188	3,633,034	1,966,846	3,336,133
	1921	21,393	703,309	670,421	1,197,465	2,456,608	1,259,143	----------
	1919	41,195	863,937	859,832	1,368,172	3,113,203	1,745,031	3,409,654
	1914	43,452	865,009	446,777	765,573	1,615,780	850,207	3,176,145
5. Leather and its finished products.	1925	4,264	315,288	356,246	1,015,123	1,767,581	752,458	413,759
	1923	4,868	344,545	388,630	1,083,345	1,880,085	796,740	412,998
	1921	4,813	280,071	314,412	934,398	1,544,186	609,788	----------
	1919	6,397	349,362	363,453	1,713,806	2,610,231	896,425	382,537
	1914	6,758	307,060	169,358	753,135	1,104,595	351,460	311,194
6. Rubber products	1925	498	141,121	190,563	718,840	1,255,414	536,574	656,857
	1923	529	137,868	182,084	501,163	958,518	457,355	605,634
	1921	496	103,273	123,613	377,879	704,903	327,024	----------
	1919	477	158,549	193,764	594,343	1,138,216	543,873	429,273
	1914	342	74,022	44,167	163,035	300,994	137,959	199,242
7. Paper, printing, and related industries. [4]	1925	26,553	536,766	805,516	1,614,235	4,143,685	2,529,450	3,060,794
	1923	25,799	527,019	743,050	1,544,418	3,772,288	2,227,870	2,743,529
	1921	25,377	467,256	637,432	1,332,371	3,150,564	1,818,193	----------
	1919	36,424	510,049	564,722	1,308,201	3,014,832	1,706,631	2,346,682
	1914	37,209	453,006	296,566	581,266	1,456,814	875,548	2,039,073
8. Chemicals and allied products. [5]	1925	8,871	381,075	506,386	4,184,911	6,438,027	2,253,116	2,984,913
	1923	8,832	384,493	501,205	3,680,407	5,706,866	2,026,459	2,739,519
	1921	8,894	314,231	404,300	3,111,425	4,594,777	1,483,352	----------
	1919	12,405	460,641	550,262	3,903,873	6,090,949	2,187,076	2,424,938
	1914	13,229	349,154	225,190	1,485,074	2,685,423	1,200,349	1,920,277

[1] Statistics for 1919 and 1914 in the case of a few groups differ from those in certain previous reports because of the exclusion here and the inclusion in the previous reports of data for rented power other than electric.

[2] No data for the "Coffee and spice, roasting and grinding" industry were tabulated at the census for 1925, and therefore the statistics for the earlier years have been adjusted by deducting the figures for this industry.

[3] The manufacture of asbestos textiles, formerly treated as an industry in Group 2, is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, in Group 9. The statistics for 1923 and earlier years have accordingly been adjusted to include the data for asbestos textiles in Group 9.

[4] The manufacture of engravers' materials, formerly classified in Group 16, is now classified in Group 7. The statistics for 1923 and earlier years have accordingly been adjusted to include the figures for this industry in Group 7.

[5] The fact that the increase in the chemical group is less than in most others is due to the prohibition amendment, greatly reducing the production of distilled, fermented, and vinous liquors. Excluding these, the principal items for 1914 and 1925 become, respectively, as follows: Wage earners, 278,497 and 379,415; wages, $166,758,000 and $504,286,000; value of products, $2,019,877,000 and $6,376,885,000; value added by manufacture, $715,013,000 and $2,232,304.

No. 756.—Summary by 16 General Groups of Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
9. Stone, clay, and glass products.[6]	1925	8,478	353,036	467,012	603,427	1,640,652	1,037,225	2,348,157
	1923	8,317	351,692	453,567	573,473	1,563,121	989,648	1,936,054
	1921	8,347	252,990	307,065	428,257	1,033,089	604,832	
	1919	12,599	302,810	332,725	422,612	1,111,747	689,135	1,584,917
	1914	14,790	335,824	206,084	240,817	618,700	377,883	1,493,976
10. Metals and metal products, other than iron and steel.	1925	6,924	275,292	380,781	1,946,777	2,883,770	886,993	1,156,486
	1923	7,433	296,911	394,024	1,767,072	2,634,031	866,959	1,108,656
	1921	7,801	212,354	256,251	885,840	1,406,873	521,033	
	1919	10,346	304,195	358,638	1,737,024	2,517,417	780,393	951,770
	1914	9,708	238,246	153,956	963,794	1,327,930	364,136	549,326
11. Tobacco manufactures.	1925	2,623	132,132	111,558	425,769	1,091,001	665,232	42,075
	1923	3,672	146,337	120,462	515,865	1,044,192	528,327	43,515
	1921	4,372	149,985	120,903	608,689	1,048,490	439,801	
	1919	10,291	157,097	123,988	483,567	1,012,933	529,366	43,390
	1914	13,951	178,872	77,856	207,134	490,165	283,031	34,756
12. Machinery, not including transportation equipment.	1925	11,807	858,843	1,225,359	1,985,367	5,020,281	3,034,914	2,714,377
	1923	12,147	907,707	1,253,743	1,891,524	4,727,818	2,836,294	2,300,443
	1921	12,395	662,277	832,781	1,361,163	3,235,075	1,873,912	
	1919	14,821	998,484	1,240,487	1,973,455	4,768,671	2,795,216	2,060,325
	1914	13,457	618,737	412,406	662,967	1,582,409	919,442	1,256,908
13. Musical instruments and phonographs.	1925	461	46,980	62,502	98,761	231,687	132,926	97,318
	1923	535	58,329	75,396	123,600	232,531	158,931	90,229
	1921	600	45,113	54,494	94,988	212,989	118,001	
	1919	778	68,741	75,868	137,460	320,905	183,445	91,040
	1914	737	48,768	30,855	49,324	119,689	70,365	57,526
14. Transportation equipment, air, land, and water.	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
	1923	3,873	606,328	963,939	3,394,505	5,333,480	1,938,975	1,624,468
	1921	4,273	405,773	591,333	1,803,011	3,018,155	1,215,144	
	1919	6,768	858,582	1,259,015	3,200,603	5,627,265	2,426,662	1,453,804
	1914	7,818	312,562	230,615	639,793	1,137,423	497,630	602,459
15. Railroad repair shops.	1925	2,363	457,755	668,192	563,646	1,332,679	769,033	942,248
	1923	2,348	523,430	772,968	631,359	1,520,093	888,734	806,435
	1921	2,326	418,285	671,956	506,571	1,267,342	760,771	
	1919	2,368	515,709	726,601	547,829	1,354,446	806,617	644,875
	1914	2,011	365,902	253,150	261,438	552,618	291,180	478,893
16. Miscellaneous industries.[7]	1925	11,234	262,079	336,958	833,630	1,815,570	981,940	604,826
	1923	11,310	271,591	333,678	794,367	1,684,415	890,048	577,660
	1921	10,852	223,448	267,520	614,470	1,299,995	685,525	
	1919	14,228	290,853	312,032	841,918	1,663,551	821,633	622,960
	1914	11,958	215,541	119,503	348,490	663,106	314,616	362,007

[6] See footnote 3

[7] See footnote 4.

Source: Bureau of the Census, Department of Commerce.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

[NOTE.—The figures for some industries do not fully represent the totals properly assignable to them, while those for some other industries are overstated, as in many cases establishments manufacture two or more classes of commodities, and figures for the entire establishment are placed in the industry in which it is primarily engaged. In figures for cost of materials and value of products extensive duplication occurs due to the use of the products of one establishment as the materials of another. As to comparability of figures, see general note, p. 749. Data for primary horsepower were not collected in 1921. Horsepower figures for 1914 and 1919 in certain industries differ from those in previous reports because of exclusion here and inclusion in certain previous reports of data for rented power other than electric. For totals for all industries and for 16 great groups, see Table 756]

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total.	1925	11,901	191,572	247,581	3,780,900	4,538,787	757,887	882,618
	1923	12,607	206,542	257,782	3,286,535	4,013,597	727,062	791,416
	1921	11,374	184,831	234,329	2,715,361	3,315,741	600,380	
	1919	13,794	236,363	288,541	5,025,664	5,760,290	734,626	681,671
	1914	12,405	148,309	91,958	1,849,542	2,156,662	307,120	454,108
Butter	1925	3,493	17,758	22,263	603,397	683,593	80,196	126,872
	1923	3,653	20,312	24,950	549,558	640,474	90,916	126,351
	1921	3,444	18,506	22,929	407,501	479,724	72,223	
	1919	3,738	17,641	18,853	514,346	583,163	68,817	94,962
	1914	4,356	14,149	10,120	212,547	243,379	30,832	91,448
Cheese	1925	2,935	3,398	4,320	103,569	118,678	15,109	20,830
	1923	3,399	4,283	5,113	107,022	127,765	20,743	22,315
	1914	3,082	2,908	2,066	46,759	51,745	4,986	19,209
Condensed and evaporated milk.	1925	402	7,118	8,391	140,041	171,247	31,206	53,937
	1923	378	8,293	10,126	153,996	187,111	33,115	48,300
	1914	190	6,002	3,662	55,720	69,161	13,441	19,602
Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments.	1925	38	1,639	2,278	28,385	39,856	11,471	6,740
	1923	31	1,484	1,921	25,772	35,953	10,181	5,922
	1914	17	917	584	10,257	15,080	4,823	3,431
Ice cream	1925	2,790	23,043	33,457	140,864	286,176	145,312	189,328
	1923	2,762	23,132	32,435	145,307	259,967	114,660	169,730
	1921	2,528	20,209	28,237	121,170	213,262	92,092	
	1919	3,475	19,155	21,699	116,375	189,483	73,108	102,646
	1914	2,437	10,376	6,845	32,772	55,983	23,211	45,408
Slaughtering and meat packing, wholesale.	1925	1,269	120,422	159,355	2,625,192	3,050,286	425,094	441,516
	1923	1,397	132,792	167,569	2,176,010	2,585,804	409,794	382,127
	1921	1,184	117,042	152,903	1,868,198	2,200,942	332,744	
	1919	1,304	160,996	209,489	3,782,930	4,246,291	463,361	358,522
	1914	1,279	98,832	62,136	1,441,663	1,651,965	210,302	252,079
Poultry killing and dressing.	1925	166	2,750	2,631	38,761	45,454	6,693	5,684
	1923	127	1,510	1,446	21,782	26,424	4,641	2,006
	1914	116	1,353	622	11,206	12,917	1,711	2,230
Sausage and sausage casings, not made in slaughtering and meat-packing establishments.	1925	489	4,914	7,652	61,497	82,436	20,939	18,184
	1923	499	4,592	6,840	51,033	69,510	18,477	17,017
	1914	533	2,616	1,820	17,926	23,083	5,157	7,840
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1925	319	10,530	7,234	39,194	61,061	21,867	19,527
	1923	361	9,144	6,182	31,053	50,589	19,536	17,648
	1914	395	11,156	4,103	20,692	33,349	12,657	12,861
Vegetable and mineral products.[2]	1925	36,212	473,188	546,100	3,967,778	5,879,749	1,911,971	2,999,334
	1923	38,511	465,930	527,773	3,479,468	5,212,926	1,733,458	2,894,251
	1921	40,027	432,905	502,566	3,241,323	4,725,332	1,484,009	
	1919	54,835	486,761	476,980	4,983,070	6,683,266	1,700,196	2,491,729
	1914	54,302	379,578	206,879	1,941,124	2,670,349	729,225	2,023,268
Canning and preserving: Fruits and vegetables; manufacture of pickles, jellies, preserves, and sauces.	1925	2,403	85,866	67,427	385,574	616,071	230,497	187,490
	1923	2,438	72,534	57,153	298,968	515,316	216,348	175,714
	1921	1,905	51,729	36,800	237,682	365,717	128,035	
	1919	3,805	77,486	56,940	358,666	548,028	189,362	154,631
	1914	3,825	62,915	23,095	138,966	210,091	71,125	106,487

For footnotes see p. 776.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Chocolate and cocoa products, not including confectionery.	1925	60	7,128	7,992	73,522	106,642	33,120	58,266
	1923	58	6,876	7,730	60,843	95,532	34,689	47,197
	1914	36	4,160	2,036	24,483	35,713	11,230	19,676
Confectionery	1925	1,931	63,600	55,235	205,433	379,081	173,648	100,455
	1923	2,014	63,485	54,881	202,719	366,256	163,537	91,455
	1921	2,254	61,004	50,210	174,072	313,998	139,926	
	1919	3,149	76,493	54,461	252,434	447,726	195,292	77,036
	1914	2,317	51,610	20,644	93,693	153,685	59,992	52,379
Chewing gum	1925	41	2,180	2,538	17,968	47,838	29,870	7,712
	1923	45	2,052	2,233	15,487	40,871	25,384	6,905
	1914	74	2,048	828	7,322	17,160	9,838	3,030
Flavoring extracts, flavoring sirups, and bitters.	1925	431	3,890	5,078	47,064	94,212	47,148	23,313
	1923	457	3,596	4,195	38,177	74,154	35,977	17,929
	1914	566	2,390	1,150	13,904	26,696	12,792	3,526
Flour, feed, and other grain-mill products.	1925	4,413	31,988	39,700	1,125,379	1,298,015	172,636	669,910
	1923	5,232	35,194	41,704	885,972	1,048,578	162,606	709,856
	1921	6,485	35,378	43,143	993,810	1,179,740	185,930	
	1919	10,708	45,481	50,888	1,799,181	2,052,434	253,253	875,464
	1914	10,788	39,718	24,593	752,270	877,680	125,410	821,406
Bread and other bakery products.	1925	17,684	160,411	219,606	668,016	1,268,194	600,178	227,286
	1923	18,739	162,613	214,579	574,520	1,122,906	548,386	193,186
	1921	20,173	148,500	198,939	598,614	1,089,972	491,358	
	1919	25,095	141,592	158,237	713,239	1,151,896	438,657	165,711
	1914	25,963	124,052	76,867	274,257	491,893	217,636	106,797
Food preparations, not elsewhere classified.	1925	1,412	28,797	31,382	469,192	649,237	180,045	197,903
	1923	1,309	26,212	27,456	332,397	473,402	141,005	178,132
	1921	1,387	22,868	24,175	260,621	372,898	112,277	
	1919	2,003	30,378	29,404	494,772	631,818	137,046	149,709
	1914	1,544	19,953	10,665	153,219	218,411	65,192	79,823
Corn sirup, corn oil, and starch.	1925	30	6,492	9,378	93,064	132,898	39,834	72,617
	1923	31	6,537	9,090	74,481	116,560	42,079	65,764
	1914	89	4,509	3,550	40,208	52,615	12,407	41,454
Peanuts: Grading, roasting, cleaning, and shelling.	1925	69	1,990	978	18,184	20,624	2,440	8,830
	1923	70	1,492	748	15,176	18,189	3,013	7,703
	1914	61	2,353	569	12,571	14,996	2,425	4,232
Rice cleaning and polishing.	1925	63	1,296	1,098	45,847	53,498	7,651	22,486
	1923	69	1,764	1,379	40,213	47,068	6,855	22,220
	1914	59	1,253	646	20,616	23,039	2,423	15,571
Sugar, beet	1925	89	8,872	12,088	87,038	132,339	45,301	146,985
	1923	84	7,571	10,103	70,820	118,314	47,494	127,771
	1914	60	7,997	6,606	41,399	62,605	21,206	76,705
Sugar, cane, not including products of refineries.	1925	94	2,066	1,411	11,586	13,435	1,849	72,796
	1923	122	2,820	1,728	20,963	27,181	6,218	88,214
	1914	181	3,632	1,561	15,958	21,635	5,677	113,246
Sugar refining, cane	1925	21	14,502	18,955	549,896	606,633	56,737	89,098
	1923	20	15,254	20,044	681,880	726,241	44,361	72,682
	1921	20	15,457	19,463	426,601	466,602	40,001	
	1919	20	18,202	22,710	662,144	730,987	68,843	52,541
	1914	18	11,253	7,823	264,085	289,399	25,314	49,666
Malt	1925	23	568	903	19,986	24,069	4,083	15,259
	1923	22	487	742	13,154	16,431	3,277	14,805
	1914	97	1,989	1,828	39,199	48,133	8,934	32,494
Vinegar and cider	1925	161	1,243	1,232	6,838	12,233	5,395	6,929
	1923	190	1,317	1,279	7,462	12,535	5,073	8,414
	1914	618	1,229	713	4,440	7,811	3,371	13,117

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Beverages[3]	1925	4,210	27,384	36,053	98,466	237,761	139,295	168,865
	1923	4,514	29,274	37,089	99,572	228,730	129,158	221,292
	1921	3,867	33,202	45,052	116,102	237,628	121,526	
	1919	5,194	17,440	16,392	68,601	135,341	66,740	41,167
	1914	5,463	15,506	8,864	26,779	58,401	31,622	24,721
Ice, manufactured	1925	3,077	24,915	35,046	44,725	186,969	142,244	923,134
	1923	3,097	26,852	35,040	46,664	164,662	117,998	845,012
	1914	*2,543*	*23,011*	*14,841*	*17,755*	*60,386*	*42,631*	*458,938*
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total.[4]	1925	7,470	1,110,209	1,066,262	3,234,034	5,342,617	2,108,583	3,748,885
	1923	7,816	1,164,638	1,122,751	3,213,272	5,527,557	2,314,285	3,556,440
	1921	7,241	993,557	896,373	2,136,803	3,896,449	1,759,646	
	1919	7,143	1,052,327	910,048	3,258,527	5,481,884	2,223,357	3,024,486
	1914	5,942	950,880	404,606	1,185,091	1,935,344	750,253	2,522,862
Cotton goods	1925	1,366	445,184	353,883	1,077,153	1,714,368	637,215	2,230,363
	1923	1,375	471,503	396,603	1,147,372	1,901,126	753,754	2,153,299
	1921	1,328	412,058	328,227	707,442	1,278,221	570,779	
	1919	1,288	430,966	355,475	1,277,786	2,125,272	847,486	1,836,298
	1914	1,179	379,366	146,130	431,603	676,569	244,966	1,563,823
Cotton small wares[5]	1925	230	16,162	15,547	41,816	74,675	32,859	33,760
	1923	228	16,387	15,957	38,615	73,223	34,608	31,926
Cotton lace	1925	42	7,006	7,620	13,361	30,843	17,482	9,507
	1923	39	7,307	8,085	14,631	35,792	21,161	9,545
	1914	41	7,440	3,468	5,677	13,207	7,530	8,817
Knit goods	1925	1,987	186,668	168,683	453,926	809,960	356,034	176,630
	1923	2,323	194,244	168,272	484,020	848,177	364,157	183,675
	1921	2,078	161,880	132,190	360,458	634,074	273,616	
	1919	2,050	172,572	125,200	427,095	713,140	286,045	149,438
	1914	1,622	150,520	59,758	146,687	258,913	112,226	122,919
Silk manufactures	1925	1,659	132,509	142,734	484,122	808,979	324,857	212,609
	1923	1,598	125,234	126,849	479,038	761,322	282,284	206,020
	1921	1,565	121,378	113,396	337,559	583,419	245,860	
	1919	1,369	126,782	108,226	388,469	688,469	300,000	173,748
	1914	902	108,170	47,109	144,442	254,011	109,569	111,417
Woolen goods	1925	503	67,056	82,436	219,618	361,524	141,906	193,080
	1923	513	72,408	87,314	201,548	364,288	162,740	180,657
	1921	493	56,434	62,893	120,276	230,945	110,669	
	1919	560	62,957	66,596	217,965	364,897	146,932	172,191
	1914	501	49,165	24,204	63,696	103,816	40,120	133,052
Worsted goods	1925	329	98,168	108,835	400,783	596,266	195,483	377,215
	1923	338	122,144	135,671	421,184	698,271	277,087	357,808
	1921	321	105,930	112,001	279,770	524,639	244,869	
	1919	292	103,830	101,513	447,629	700,538	252,909	294,028
	1914	298	109,527	51,749	182,801	275,668	92,867	242,521
Felt goods, wool or hair	1925	50	5,146	6,404	26,354	43,776	17,422	23,478
	1923	53	5,735	6,635	23,895	42,037	18,142	20,522
	1914	53	4,035	2,089	8,308	13,693	5,385	14,016
Hats, wool-felt	1925	22	1,854	1,986	5,123	8,949	3,826	2,550
	1923	21	1,950	2,005	4,457	8,643	4,186	2,762
	1914	30	1,249	600	978	1,945	967	3,091
Hats, fur-felt	1925	146	15,156	20,466	40,124	80,066	39,942	17,948
	1923	163	16,722	21,531	34,448	75,253	40,805	18,488
	1914	224	21,318	12,071	16,947	37,350	20,403	20,774
Carpets and rugs, wool, other than rag.	1925	69	33,886	43,382	104,196	188,903	84,707	63,008
	1923	79	35,217	48,528	97,473	199,481	102,008	53,852
	1914	97	31,309	14,716	42,280	69,128	26,848	42,794

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
TEXTILES, ETC.—Con.								
Wool shoddy	1925	68	2,218	2,609	14,913	21,022	6,109	15,435
	1923	59	2,128	2,442	10,627	16,697	6,070	12,496
	1914	64	2,145	1,056	5,300	7,707	2,407	12,244
Wool pulling	1925	23	573	841	13,637	15,209	1,572	2,706
	1923	27	696	866	11,308	15,176	3,868	2,837
	1914	34	708	452	6,632	8,273	1,641	2,248
Wool scouring	1925	25	1,112	1,601	2,527	5,831	3,304	7,823
	1923	26	1,474	2,025	4,529	8,190	3,661	6,976
	1914	24	1,059	617	3,176	4,565	1,389	7,579
Cordage and twine	1925	118	15,400	14,018	66,848	100,448	33,600	77,563
	1923	121	16,382	15,148	53,642	88,283	34,641	72,371
	1914	105	15,769	6,996	43,605	59,762	16,157	55,272
Jute goods	1925	23	6,312	5,640	14,567	27,518	12,951	28,753
	1923	19	6,042	5,778	12,348	25,421	13,073	24,174
	1914	34	7,987	3,060	12,580	16,514	3,934	28,533
Linen goods	1925	18	2,780	2,462	6,395	11,157	4,762	12,119
	1923	18	2,880	2,897	6,073	11,390	5,317	9,803
	1914	21	3,567	1,386	4,289	6,960	2,671	9,932
Flax and hemp, dressed	1925	9	82	89	244	459	215	1,457
	1923	9	62	49	174	281	107	877
	1914	16	116	45	185	283	98	832
Mats and matting, grass and coir	1925	10	902	767	1,527	3,492	1,965	2,147
	1923	11	986	897	1,510	3,890	2,380	1,980
	1914	12	869	455	1,170	2,236	1,066	1,643
Haircloth	1925	15	355	387	1,897	2,746	849	1,058
	1923	18	499	464	2,512	3,734	1,222	1,333
	1914	19	595	290	1,654	2,396	742	1,589
Dyeing and finishing textiles	1925	697	70,749	83,983	244,700	432,537	187,837	252,701
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
	1921	599	51,510	58,139	141,199	276,751	135,552	
	1919	628	55,985	57,190	174,743	323,968	149,225	159,857
	1914	507	48,467	24,872	56,705	109,292	52,587	129,327
Cloth, sponging and refinishing	1925	61	931	1,889	203	3,889	3,686	975
	1923	65	1,225	2,210	298	4,652	4,354	911
	1914	51	901	658	133	1,531	1,398	677
Wearing apparel made from purchased fabrics, total	1925	14,862	465,583	533,924	1,739,376	3,239,978	1,500,602	119,158
	1923	16,904	499,413	568,139	1,852,229	3,443,940	1,591,711	132,317
	1921	16,784	473,574	534,312	1,424,284	2,710,657	1,286,373	
	1919	18,778	507,700	526,955	1,745,931	3,198,147	1,452,216	131,965
	1914	14,953	510,595	250,114	673,013	1,297,273	624,260	117,911
Clothing, men's	1925	4,000	174,332	203,847	557,471	1,087,238	529,767	44,749
	1923	4,607	194,820	235,487	584,804	1,178,715	593,911	52,642
	1921	4,539	165,206	201,882	447,545	934,776	487,231	
	1919	5,258	175,270	197,822	605,752	1,162,986	557,234	40,198
	1914	4,830	173,747	86,828	230,032	458,211	228,179	35,252
Clothing, men's, buttonholes	1925	30	327	347	71	658	587	87
	1923	37	334	409	103	804	701	105
	1914	139	672	326	90	638	548	205
Shirts	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	934	51,672	37,943	139,354	241,331	101,977	14,050
	1921	860	45,427	33,182	123,259	203,944	80,685	
	1919	896	39,603	25,834	127,088	205,327	78,239	14,890
	1914	792	51,972	19,170	50,665	95,815	45,150	17,117
Furnishing goods, men's not elsewhere classified.[5]	1925	419	21,094	17,438	69,861	120,868	51,007	4,977
	1923	454	18,958	14,810	57,237	102,952	45,715	5,470
	1914	551	22,459	8,416	31,593	52,453	20,860	5,840

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
TEXTILES, ETC.—Con.								
Collars, men's	1925	28	7,187	5,503	11,793	27,588	15,795	4,497
	1923	37	10,449	7,960	18,370	42,666	24,296	5,050
	1914	35	10,100	4,494	6,566	18,531	11,965	3,359
Gloves and mittens, cloth, not made in textile mills.[6]	1925	118	7,798	4,810	15,735	25,660	9,925	3,516
	1923	129	8,864	5,296	18,292	28,126	9,834	3,143
Suspenders, garters, and elastic woven goods, made from purchased webbing.[6]	1925	93	3,835	3,072	16,500	27,504	11,004	876
	1923	100	3,458	2,892	13,934	24,297	10,363	809
Hats and caps, except felt and straw.	1925	579	6,552	9,243	22,699	43,823	21,124	1,876
	1923	651	7,313	9,594	22,250	42,812	20,562	1,782
	1914	580	7,322	4,508	9,268	18,593	9,325	1,313
Clothing, women's	1925	6,127	126,466	175,045	724,299	1,293,705	569,406	24,316
	1923	7,046	133,195	176,446	809,561	1,406,684	597,123	27,704
	1921	7,061	144,865	185,082	567,810	1,022,743	454,933	
	1919	7,711	165,649	195,296	680,407	1,208,543	528,136	32,421
	1914	5,564	168,907	92,574	252,345	473,888	221,543	27,874
Corsets	1925	185	14,525	12,394	37,808	77,115	39,307	8,394
	1923	216	16,104	13,258	38,416	78,048	39,632	5,901
	1914	167	20,496	7,977	19,587	40,551	20,964	6,902
Millinery and lace goods, not elsewhere classified.	1925	2,443	53,603	66,551	153,385	309,856	156,471	11,986
	1923	2,693	54,246	64,044	149,908	297,505	147,597	15,661
	1921	2,777	53,701	60,401	131,207	268,714	137,507	
	1919	3,005	50,850	49,849	132,929	255,725	122,796	12,410
	1914	2,079	45,274	21,545	57,676	114,160	56,484	12,488
Other articles made from purchased fabrics, total.	1925	2,101	51,349	53,827	374,640	540,263	165,623	118,093
	1923	2,047	51,310	52,961	329,147	491,137	161,990	94,747
	1921	1,935	42,658	41,705	240,165	349,609	109,444	
	1919	2,536	50,040	44,180	375,099	531,159	156,060	92,005
	1914	2,469	44,722	21,182	155,995	212,864	56,869	76,596
Awnings, tents, sails, and canvas covers.	1925	905	6,249	7,501	27,453	48,569	21,116	4,564
	1923	814	5,958	6,923	25,229	45,276	20,047	4,728
	1914	888	5,073	2,954	10,155	18,138	7,983	2,602
Bags, other than paper, not made in textile mills.	1925	162	11,404	9,332	150,103	175,082	24,979	15,295
	1923	169	11,548	9,361	128,222	151,676	23,454	13,852
	1914	138	9,358	3,789	67,022	79,049	12,027	10,381
Belting and hose, other than leather and rubber, made from purchased fabrics.[6]	1925	11	254	264	1,595	3,111	1,516	914
	1923	13	335	351	1,674	3,312	1,638	930
Horse blankets, fly nets, and related products.[7]	1925	20	694	564	2,535	3,897	1,362	1,773
	1923	22	841	610	2,774	5,137	2,363	2,900
	1914	37	1,669	668	3,569	5,150	1,581	1,903
Flags and banners	1925	49	1,031	890	2,332	4,588	2,256	629
	1923	52	878	758	2,024	3,807	1,783	748
	1914	87	1,495	690	1,750	3,601	1,851	637
Regalia, badges, and emblems.	1925	85	1,992	2,033	3,962	9,623	5,661	1,068
	1923	84	2,146	2,090	4,243	10,586	6,343	1,160
	1914	138	2,010	980	2,205	5,025	2,820	655
Hat and cap materials	1925	89	2,127	2,413	15,218	22,049	6,831	5,141
	1923	104	2,304	2,411	13,863	20,508	6,645	4,749
	1914	98	1,775	804	5,052	6,929	1,877	2,946
Hammocks	1925	4	121	98	368	574	206	200
	1923	4	68	53	207	351	144	103
	1914	14	285	119	361	671	310	291
Nets and seines	1925	21	885	762	3,479	5,157	1,678	1,190
	1923	17	882	749	3,157	4,628	1,471	1,082
	914	15	1,058	379	2,257	3,088	831	1,934

For footnotes see p. 776.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
TEXTILES, ETC.—Con.								
House-furnishing goods, not elsewhere classified.	1925	433	9,307	9,143	51,079	78,655	27,576	10,702
	1923	452	8,708	8,454	44,667	69,333	24,666	9,969
	1914	370	6,935	3,306	17,391	26,453	9,062	11,276
Carpets and rugs, rag	1925	139	1,901	1,876	1,943	5,710	3,767	2,349
	1923	151	2,042	1,857	2,095	6,097	4,002	2,587
	1914	463	2,130	995	722	2,786	2,064	2,656
Linoleum [8]	1925	6	4,872	6,393	19,967	45,000	25,033	31,840
	1923	7	6,261	8,376	27,277	52,527	25,250	23,205
	1914	18	4,428	2,604	11,252	17,602	6,350	18,782
Oilcloth	1925	9	1,160	1,675	13,549	17,843	4,294	3,484
	1923	9	1,203	1,781	12,165	17,719	5,554	2,886
	1914	13	1,223	609	6,524	7,996	1,472	3,490
Artificial leather	1925	18	2,659	3,801	31,238	40,932	9,694	10,593
	1923	17	2,462	3,235	22,624	33,558	10,934	8,359
	1914	10	795	485	4,108	6,097	1,989	1,674
Asphalted-felt-base floor coverings.[8]	1925	11	2,464	3,338	14,930	32,532	17,602	9,575
	1923	9	1,682	2,204	9,140	25,280	16,140	2,700
	1921	10	816	982	3,717	10,147	6,430	----------
Upholstering materials, not elsewhere classified.	1925	34	1,196	1,174	5,123	7,998	2,875	3,380
	1923	35	1,248	1,280	4,538	7,641	3,103	2,442
	1914	70	2,454	1,101	5,285	7,879	2,594	6,198
Waste [9]	1925	105	3,033	2,570	29,766	38,943	9,177	15,396
	1923	88	2,745	2,468	25,248	33,701	8,453	12,347
	1914	79	3,082	1,239	15,473	17,959	2,486	8,506
IRON AND STEEL AND PRODUCTS, EXCEPT MACHINERY								
Crude iron and steel and rolled products, total.	1925	595	399,914	660,297	2,429,378	3,711,354	1,281,976	6,143,927
	1923	658	424,913	696,760	2,872,028	4,161,938	1,289,910	5,999,941
	1921	628	254,213	354,357	1,366,175	1,901,430	535,255	----------
	1919	695	416,748	711,406	2,301,862	3,623,369	1,321,507	5,399,574
	1914	587	278,072	210,923	855,406	1,236,319	380,913	3,925,869
Iron and steel: Blast furnaces.	1925	122	29,188	45,312	617,417	765,286	147,869	1,380,394
	1923	169	36,712	58,936	827,630	1,007,613	179,983	1,686,419
	1921	134	18,698	29,370	361,050	419,771	58,721	----------
	1919	195	41,660	73,769	621,286	794,467	173,181	1,581,407
	1914	160	29,356	22,781	264,580	317,654	53,074	1,222,273
Iron and steel: Steel works and rolling mills.	1925	473	370,726	614,985	1,811,961	2,946,068	1,134,107	4,763,533
	1923	489	388,201	637,825	2,044,398	3,154,325	1,109,927	4,313,522
	1921	494	235,515	324,987	1,005,125	1,481,659	476,534	----------
	1919	500	375,088	637,637	1,680,576	2,828,902	1,148,326	3,818,167
	1914	427	248,716	188,142	590,826	918,665	327,839	2,703,596
Other iron and steel products, total.	1925	5,473	451,356	624,042	1,304,972	2,750,314	1,445,342	1,375,072
	1923	5,700	467,747	627,827	1,280,890	2,666,903	1,386,013	1,259,334
	1921	5,627	317,585	376,829	774,169	1,554,960	780,791	----------
	1919	6,926	441,823	532,999	1,121,816	2,266,154	1,144,338	1,030,428
	1914	5,744	340,277	211,065	460,404	901,309	440,905	661,947
Bolts, nuts, washers, and rivets, not made in rolling mills.[10]	1925	127	13,907	17,942	38,507	75,926	37,419	54,767
	1923	126	15,962	20,207	41,874	84,431	42,557	48,036
	1914	102	10,658	5,961	12,913	23,403	10,490	28,885
Cast-iron pipe	1925	77	23,033	27,438	48,847	100,388	51,541	54,820
	1923	73	21,576	25,020	48,804	92,674	43,870	47,239
	1914	59	12,557	7,076	16,930	26,659	9,729	25,864
Doors, shutters, and window sash and frames.	1925	92	6,791	12,899	21,628	50,078	28,450	16,699
	1923	37	2,429	4,333	5,604	15,367	9,763	3,981
	1914	43	1,985	1,538	1,996	5,184	3,188	3,170

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Forgings, not made in steel works or rolling mills.[10]	1925	218	20,290	31,313	68,081	134,511	66,430	120,014
	1923	234	27,468	40,207	92,853	179,011	86,158	136,922
	1914	191	10,689	7,487	14,611	28,961	14,350	36,543
Horseshoes, not made in rolling mills.[10]	1925	9	193	275	496	1,408	912	1,042
	1923	10	255	332	737	1,814	1,077	1,341
	1914	22	588	362	690	1,786	1,096	1,984
Nails, spikes, etc., not made in rolling mills.[10]	1925	58	2,227	2,610	5,646	12,318	6,672	8,102
	1923	61	2,849	3,235	7,005	13,300	6,295	10,275
	1914	64	2,644	1,508	3,594	7,199	3,605	8,135
Springs, steel: Railway, vehicle, heavy machine, etc., not made in rolling mills.[10]	1925	98	5,897	8,989	23,609	44,469	20,860	22,492
	1923	114	8,634	12,782	31,748	59,392	27,644	25,393
	1914	84	3,703	2,602	6,143	11,595	5,452	8,025
Steel barrels, kegs, and drums.[10, 11]	1925	33	2,021	2,914	12,743	19,928	7,185	7,739
	1923	39	2,668	3,363	14,818	23,249	8,431	7,907
	1921	31	2,013	2,323	9,267	14,525	5,258	----------
	1919	33	3,322	4,435	15,151	24,943	9,792	10,554
Structural and ornamental iron work, not made in rolling mills.[10]	1925	1,136	48,341	77,411	237,653	420,998	183,345	211,732
	1923	1,056	51,591	80,833	225,487	406,117	180,630	205,518
	1921	1,021	32,897	47,455	151,011	250,086	99,075	----------
	1919	1,146	43,962	59,920	168,800	294,962	126,162	165,179
	1914	1,235	47,167	33,429	87,622	159,378	71,756	109,058
Iron and steel, processed.[10, 11, 12]	1925	26	306	557	643	2,114	1,471	1,870
	1923	265	1,376	2,406	2,925	9,112	6,187	6,209
	1921	320	1,210	1,922	1,900	6,202	4,302	----------
	1919	520	1,835	2,743	3,576	10,996	7,420	8,795
Wrought pipe, not made in rolling mills.[10]	1925	42	10,871	17,157	59,142	94,695	35,553	41,306
	1923	53	10,633	17,705	57,966	90,823	32,857	40,912
	1914	36	8,845	5,750	26,296	37,655	11,359	17,532
Firearms	1925	20	4,470	5,584	3,174	15,179	12,005	14,580
	1923	21	6,204	7,593	3,644	17,665	14,021	15,639
	1914	29	7,064	5,067	2,670	10,544	7,874	7,374
Galvanizing and other coating, not done in rolling mills.	1925	54	804	1,128	2,892	5,933	3,041	1,881
	1923	51	877	1,184	3,363	6,327	2,964	1,856
	1914	48	1,580	922	6,293	8,480	2,187	2,385
Hardware, not elsewhere classified.	1925	476	52,349	65,562	77,503	225,053	147,550	98,278
	1923	473	52,205	63,471	80,598	215,960	135,362	84,006
	1921	456	35,228	36,240	41,520	120,600	79,080	----------
	1919	585	46,180	49,274	62,816	168,662	105,846	74,240
	1914	597	43,724	23,831	30,861	77,360	46,499	56,839
Pens, steel and brass	1925	5	487	498	265	1,446	1,181	273
	1923	5	475	415	177	1,171	994	266
	1914	5	573	243	117	514	397	244
Plumbers' supplies, not including pipe or marble, slate, and porcelain sanitary ware.	1925	239	33,280	46,954	63,610	167,878	104,268	84,534
	1923	234	27,201	38,047	51,469	132,665	81,196	59,973
	1914	260	18,479	11,703	18,670	43,386	24,716	28,112
Safes and vaults	1925	35	3,865	5,398	8,266	23,044	14,778	10,054
	1923	34	3,476	4,694	7,086	19,101	12,015	7,690
	1914	39	2,972	1,860	2,646	7,257	4,611	8,406
Screw-machine products.	1925	193	8,987	12,669	18,788	43,779	24,991	30,514
	1923	180	9,126	11,919	15,796	39,239	23,443	28,954
	1914	66	3,643	2,310	3,058	7,248	4,190	7,848
Screws, wood	1925	12	5,084	5,525	6,288	15,836	9,548	11,970
	1923	10	4,108	5,024	5,769	13,707	7,938	8,550
	1914	12	4,446	1,951	2,350	6,217	3,867	8,044

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Steam fittings and steam and hot-water heating apparatus.	1925	225	43,260	63,979	77,357	228,930	151,573	109,313
	1923	236	44,141	64,807	83,297	221,954	138,657	91,085
	1921	274	30,808	39,596	50,213	127,367	77,154	
	1919	261	36,686	45,743	72,016	160,285	88,269	67,494
	1914	295	26,388	16,738	26,921	63,922	37,001	38,362
Stoves (other than gas, oil, or electric), hot-air furnaces, and fireless cookers.	1925	323	29,376	41,493	47,249	140,805	93,556	63,545
	1923	345	33,029	45,864	53,397	155,801	102,404	65,366
	1914	438	29,535	20,777	23,802	67,941	44,139	41,118
Stoves and appliances, gas and oil.	1925	241	17,138	24,806	48,624	123,498	74,874	30,581
	1923	243	16,783	22,467	49,171	112,461	63,290	22,298
	1914	113	7,790	5,088	10,153	21,449	11,296	7,937
Tinware, not elsewhere classified.[13]	1925	221	29,901	34,392	175,779	260,360	84,581	48,728
	1923	241	30,511	32,816	135,980	215,971	79,991	41,252
	1921	244	22,711	24,595	108,748	168,305	59,557	
	1919	301	34,386	34,493	165,171	233,964	68,793	30,234
	1914	294	22,584	12,217	53,841	81,931	28,090	17,863
Tools and cutlery:								
Cutlery (not including silver and plated cutlery) and edge tools.	1925	211	16,407	20,226	20,562	80,263	59,701	51,673
	1923	211	16,671	19,751	17,160	72,477	55,317	43,171
	1914	252	16,561	9,076	8,186	25,541	17,355	34,665
Files	1925	38	4,209	5,393	3,518	13,541	10,023	11,534
	1923	37	4,590	5,805	3,840	13,566	9,726	11,155
	1914	48	4,349	2,135	1,595	5,608	4,013	8,771
Saws	1925	71	4,710	5,873	8,224	26,781	18,557	14,287
	1923	80	5,420	6,730	9,749	30,787	21,047	13,208
	1914	100	4,560	3,020	4,714	12,517	7,803	11,744
Other tools, not including machine tools.	1925	663	25,340	34,294	39,023	121,263	82,240	78,686
	1923	700	29,100	37,169	43,206	123,158	79,952	75,248
	1914	661	16,866	10,217	12,235	33,893	21,658	37,248
Vault, sidewalk, and floor lights, coal-hole covers, and ventilating equipment.[14]	1923	24	296	446	1,213	2,991	1,778	254
	1914	45	601	457	959	2,051	1,092	486
Wire, drawn from purchased bars or rods (excludes steel works and rolling mills).	1925	68	18,544	26,928	127,251	184,463	57,212	138,115
	1923	64	21,310	29,862	133,883	196,364	62,481	123,923
	1914	54	17,600	11,021	56,424	81,841	25,417	83,900
Wirework, not elsewhere classified.	1925	462	19,268	23,835	59,604	115,429	55,825	35,943
	1923	443	16,783	19,340	52,280	100,248	47,968	31,617
	1914	552	12,126	6,719	24,114	41,789	17,675	12,405
LUMBER AND ALLIED PRODUCTS								
Lumber and timber products, not elsewhere classified.	1925	9,207	473,998	456,715	579,475	1,421,162	841,687	2,049,500
	1923	9,393	495,932	475,962	573,064	1,494,462	921,398	1,932,091
	1921	9,092	364,247	313,487	377,927	902,501	524,574	
	1919	26,119	480,945	439,419	470,960	1,387,471	916,511	2,355,345
	1914	27,229	479,786	239,977	281,952	715,310	433,358	2,190,359
Lumber: Planing-mill products, not made in planing mills connected with sawmills.	1925	4,761	111,329	146,592	403,227	710,861	307,634	597,103
	1923	4,215	103,008	133,329	401,174	692,784	291,610	493,424
	1921	4,366	78,033	95,954	272,082	462,649	190,567	
	1919	5,309	86,956	91,977	299,266	500,438	201,172	417,070
	1914	5,841	96,214	61,949	184,227	307,672	123,445	410,259
Excelsior	1925	72	1,300	1,180	2,573	4,901	2,328	11,993
	1923	75	1,285	1,206	2,766	5,362	2,596	10,939
	1914	99	1,177	558	1,403	2,516	1,113	10,715
Window and door screens and weather strips.	1925	183	3,803	4,687	9,545	22,398	12,853	10,674
	1923	165	3,687	4,197	9,566	21,256	11,690	9,515
	1914	220	3,194	1,894	4,261	9,167	4,906	8,128

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
LUMBER, ETC.—Con.								
Boxes, wooden, except cigar boxes.	1925	824	34,834	33,765	86,391	152,295	65,904	143,519
	1923	864	39,154	36,464	94,080	162,858	68,778	149,410
	1914	1,174	38,548	18,206	52,840	86,567	33,727	124,249
Boxes, cigar, wooden	1925	155	4,836	3,967	5,450	12,925	7,475	5,210
	1923	170	5,101	4,171	6,249	14,796	8,547	6,054
	1914	238	5,835	2,299	4,269	8,337	4,068	5,251
Cooperage	1925	553	11,483	12,908	44,176	67,735	23,559	30,758
	1923	623	12,028	13,183	48,356	73,134	24,778	33,519
	1914	1,259	17,128	9,161	32,944	50,017	17,073	38,177
Wooden goods, not elsewhere classified.	1925	200	4,596	4,672	9,060	20,238	11,178	20,446
	1923	196	5,727	5,134	10,292	21,734	11,442	22,438
	1914	274	6,418	2,767	4,952	10,162	5,210	20,383
Wood, turned and carved.	1925	521	10,352	10,190	15,576	35,491	19,915	44,664
	1923	519	11,286	10,926	17,055	38,077	21,022	43,368
	1914	828	11,615	5,645	9,166	19,047	9,881	42,541
Lasts and related products.	1925	62	2,035	3,012	3,049	9,301	6,252	7,512
	1923	64	2,258	3,123	3,197	9,900	6,703	6,995
	1914	66	2,094	1,511	1,343	4,589	3,246	5,227
Furniture [15]	1925	3,235	180,895	225,200	384,508	868,146	483,638	402,519
	1923	3,043	168,089	204,513	342,236	776,495	434,259	344,851
	1921	3,033	124,311	144,110	253,545	550,164	296,619	
	1919	3,273	140,188	143,112	265,556	579,651	314,095	265,064
	1914	3,324	130,138	73,282	123,735	270,939	147,204	239,661
Refrigerators	1925	167	9,360	12,589	24,744	57,666	32,922	23,297
	1923	132	8,485	10,733	21,695	50,076	28,381	17,136
	1914	134	5,617	3,572	7,343	15,052	7,709	11,151
Billiard and pool tables, bowling alleys, and accessories.	1925	33	1,037	1,354	1,781	5,614	3,833	2,120
	1923	32	876	1,401	2,229	6,236	4,007	2,897
	1914	54	1,453	985	2,488	4,894	2,406	3,197
Mirror and picture frames. [16]	1925	162	4,230	5,646	6,835	19,170	12,335	6,102
	1923	223	4,496	5,761	6,178	18,642	12,464	4,497
	1914	438	4,787	2,850	4,468	11,014	6,546	4,054
Baskets and rattan and willow ware, not including furniture.	1925	230	6,808	5,033	6,758	16,658	9,900	12,794
	1923	215	5,838	4,453	6,119	14,713	8,594	11,474
	1914	419	4,574	1,923	2,999	6,578	3,579	7,291
Caskets, coffins, burial cases, and morticians' goods.	1925	326	11,479	14,057	32,771	70,413	37,642	29,164
	1923	327	11,593	13,334	31,541	65,558	34,017	27,340
	1914	287	9,468	5,382	13,257	26,325	13,068	18,969
Rules, wood, metal, and other. [14]	1923	11	219	218	239	759	520	714
	1914	10	408	224	187	634	447	441
Cork products	1925	33	3,297	3,538	7,269	16,020	8,751	11,084
	1923	39	3,478	3,594	8,046	15,566	7,520	10,052
	1914	52	3,454	1,582	4,751	7,875	3,124	5,786
Matches	1925	25	4,627	4,707	12,913	23,741	10,828	16,314
	1923	22	4,712	4,425	11,786	23,940	12,154	15,388
	1914	20	3,800	1,758	5,202	12,556	7,354	7,457
Pulp goods	1925	35	3,017	3,767	10,286	20,270	9,984	11,338
	1923	40	3,648	4,090	11,209	20,436	9,227	13,605
	1914	24	1,654	884	2,191	4,483	2,292	8,820
Wood preserving	1925	131	8,416	9,606	66,709	91,184	24,475	33,521
	1923	103	6,520	6,878	50,139	71,083	20,944	37,008
	1914	68	2,830	1,785	16,060	21,055	4,995	11,551
Turpentine and rosin	1925	1,007	29,413	15,190	11,887	42,364	30,477	3,138
	1923	1,203	34,328	15,449	8,973	35,167	26,194	1,932
	1914	1,394	34,817	8,583	5,536	20,990	15,454	2,478

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
LEATHER AND ITS FINISHED PRODUCTS								
Leather, tanned, curried, and finished.	1925	532	53,043	66,762	306,634	462,014	155,380	222,678
	1923	597	59,703	73,784	321,750	488,898	167,148	230,187
	1921	608	48,955	57,741	277,725	383,365	105,640	----------
	1919	680	72,476	88,205	646,521	928,592	282,071	217,761
	1914	741	55,936	31,915	284,245	367,202	82,957	171,734
Finished products of leather, total.	1925	3,732	262,245	289,484	708,489	1,305,567	597,078	191,081
	1923	4,271	284,842	314,846	761,595	1,391,187	629,592	182,811
	1921	4,205	231,116	256,671	656,673	1,160,821	504,148	----------
	1919	5,717	276,886	275,248	1,067,285	1,681,639	614,354	164,776
	1914	6,017	251,124	137,443	468,890	737,393	268,503	139,460
Belting, leather	1925	168	2,644	3,505	18,868	31,811	12,943	6,889
	1923	169	3,160	3,895	24,569	37,723	13,154	9,075
	1914	151	2,951	2,070	15,480	23,036	7,556	7,385
Boots and shoes, other than rubber.	1925	1,460	206,992	225,788	481,632	925,383	443,751	139,569
	1923	1,606	225,216	250,346	527,457	1,000,078	472,621	128,550
	1921	1,505	183,502	204,954	478,432	867,476	389,044	----------
	1919	1,449	211,049	210,735	715,269	1,155,041	439,772	115,886
	1914	1,355	191,555	105,695	310,357	501,760	191,403	95,966
Boot and shoe cut stock, not made in boot and shoe factories.	1925	244	7,197	7,978	65,646	84,220	18,574	7,859
	1923	227	7,133	7,115	68,563	89,291	20,728	6,963
	1914	236	7,819	4,052	51,451	59,965	8,514	6,018
Boot and shoe findings, not made in boot and shoe factories.	1925	326	8,605	9,695	29,248	52,064	22,816	15,419
	1923	364	7,865	8,274	27,553	48,012	20,359	12,825
	1914	369	6,714	3,226	20,304	28,303	7,999	5,436
Gloves and mittens, leather.	1925	247	8,378	7,814	20,021	37,164	17,143	3,852
	1923	260	10,010	8,545	20,224	38,081	17,857	4,372
	1914	352	10,668	4,558	12,171	21,614	9,443	3,308
Pocketbooks, purses, and cardcases.	1925	190	6,826	9,022	22,442	43,105	20,663	1,356
	1923	207	5,518	7,291	16,236	32,732	16,496	1,094
	1914	64	1,466	702	1,784	3,351	1,567	242
Saddlery and harness	1925	258	4,570	5,060	18,776	30,084	11,308	5,021
	1923	472	6,617	6,916	24,460	42,113	17,653	7,761
	1914	2,551	12,969	7,996	33,086	53,559	20,473	10,362
Trunks, suitcases, and bags.	1925	475	10,348	13,226	31,382	61,224	29,842	7,893
	1923	505	11,441	13,520	32,537	63,023	30,186	7,269
	1914	561	9,911	5,540	13,626	26,472	12,846	7,510
Leather goods, not elsewhere classified.	1925	364	6,685	7,396	20,474	40,512	20,038	3,223
	1923	461	7,882	8,944	19,596	40,134	20,538	4,902
	1914	378	7,071	3,604	10,632	19,334	8,702	3,233
RUBBER PRODUCTS								
Boots and shoes, rubber.	1925	23	24,999	28,058	40,566	115,935	75,369	59,413
	1923	25	29,435	33,671	45,269	131,740	86,471	56,184
	1914	23	18,687	9,986	23,956	53,822	29,866	24,561
Rubber tires and inner tubes.[17]	1925	126	81,640	120,614	559,940	925,001	365,061	403,227
	1923	160	73,963	108,623	365,165	644,194	279,029	370,551
	1921	178	55,496	75,054	291,554	496,123	204,569	----------
Rubber goods, not elsewhere classified.[17]	1925	349	34,482	41,891	118,334	214,478	96,144	194,217
	1923	344	34,470	39,790	90,729	182,584	91,855	178,899
	1921	294	23,889	25,131	54,192	114,747	60,555	----------
	1919	452	125,674	162,881	543,996	1,021,299	477,303	379,873
	1914	319	55,335	34,181	139,079	247,172	108,093	174,681

For footnotes see p. 776.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
PAPER AND PRINTING								
Paper and wood pulp	1925	763	123,842	160,146	605,860	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
	1921	738	105,294	127,029	445,992	667,436	221,444	
	1919	729	113,759	135,691	467,483	788,060	320,577	1,849,699
	1914	718	88,457	53,246	213,181	332,147	118,966	1,611,954
Manufactures of paper, total.	1925	1,931	93,834	98,683	300,800	558,529	257,729	136,982
	1923	1,907	93,866	93,544	289,220	524,126	234,906	124,664
	1921	1,837	76,290	71,537	208,080	385,747	177,667	
	1919	1,919	90,497	73,526	240,589	440,866	200,277	109,692
	1914	1,711	74,630	33,473	93,741	174,681	80,940	78,740
Bags, paper, not made in paper mills.	1925	66	5,585	5,524	29,957	45,978	16,021	6,414
	1923	64	4,686	4,587	29,375	42,272	12,897	6,108
	1914	59	3,505	1,659	12,201	17,603	5,402	3,677
Boxes, paper and other, not elsewhere classified.	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,855	53,966	144,080	264,209	120,129	61,687
	1921	1,191	46,242	40,477	88,268	174,248	85,980	
	1919	1,201	55,862	43,326	101,135	206,419	105,284	54,675
	1914	1,043	45,311	18,705	36,268	74,711	38,443	37,340
Labels and tags	1925	113	5,356	6,730	13,096	28,046	14,950	4,808
	1923	103	5,048	6,224	12,130	26,023	13,893	4,538
	1914	108	2,600	1,459	2,908	6,584	3,676	2,155
Paper patterns	1925	16	1,243	1,595	2,001	13,666	11,665	813
	1923	19	929	1,098	1,174	9,259	8,085	971
	1914	25	1,073	577	626	3,026	2,400	356
Card cutting and designing.	1925	49	1,086	1,084	2,436	6,201	3,765	1,355
	1923	47	1,207	1,242	2,643	6,109	3,466	1,262
	1914	58	517	265	421	1,055	634	441
Cardboard, not made in paper mills.	1925	13	978	1,188	3,475	7,288	3,813	1,795
	1923	15	1,176	1,340	5,332	9,340	4,008	2,354
	1914	18	1,159	580	2,962	4,350	1,388	2,685
Envelopes	1925	135	9,052	9,987	27,423	51,189	23,766	10,288
	1923	132	9,241	9,525	27,528	50,752	23,224	9,904
	1914	90	6,970	3,378	10,235	18,481	8,246	5,196
Paper goods, not elsewhere classified.	1925	310	13,386	15,403	70,700	124,217	53,517	35,324
	1923	311	14,724	15,562	66,958	116,162	49,204	37,840
	1914	310	13,495	6,850	28,120	48,871	20,751	26,890
Printing and publishing and allied industries, total.	1925	22,725	296,324	502,114	673,985	2,482,065	1,808,080	458,842
	1923	22,122	291,029	459,856	647,975	2,222,537	1,574,562	405,194
	1921	21,850	268,081	407,687	647,296	1,999,915	1,352,619	
	1919	32,476	287,278	331,519	571,510	1,699,789	1,128,279	361,124
	1914	33,471	272,092	195,511	257,848	901,534	643,686	327,103
Printing and publishing, book and job.	1925	10,322	133,316	219,830	228,690	806,887	578,197	169,283
	1923	10,075	129,890	201,217	220,203	738,227	518,024	152,363
	1921	9,758	121,055	181,066	216,139	690,075	473,936	
	1919	13,089	123,005	141,476	211,067	597,663	386,596	131,476
	1914	12,115	113,121	78,414	96,453	307,331	210,878	113,210
Printing and publishing, music	1925	109	955	1,462	1,828	15,090	13,262	1,363
	1923	110	919	1,367	2,253	14,627	12,374	1,231
	1914	180	873	573	1,047	7,271	6,224	594
Printing and publishing, newspapers and periodicals.	1925	10,625	117,001	217,541	379,541	1,447,661	1,068,120	237,662
	1923	10,267	115,646	196,804	363,480	1,268,502	905,022	203,454
	1921	10,453	107,534	174,359	371,124	1,123,710	752,586	
	1919	17,362	120,381	144,348	300,385	924,153	623,768	194,074
	1914	19,317	114,375	88,561	129,082	495,906	366,824	181,763
Bookbinding and blank-book making.	1925	970	20,836	26,006	24,127	81,600	57,473	16,147
	1923	965	20,728	25,216	23,073	76,959	53,886	15,539
	1914	1,124	21,693	11,575	13,334	38,104	24,770	10,842

For footnotes see p. 777.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
PAPER AND PRINTING—Continued								
Engraving, steel and copperplate, and plate printing.	1925	368	7,259	10,168	7,628	32,106	24,478	5,764
	1923	377	7,529	10,185	7,957	32,551	24,594	5,738
	1914	399	6,859	4,527	3,915	13,786	9,871	5,670
Lithographing	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
	1923	328	16,317	25,067	31,009	91,671	60,662	26,869
	1914	336	15,171	11,861	14,017	39,136	25,119	15,024
Other industries related to printing and publishing, total.[18]	1925	1,134	22,766	44,573	33,590	131,209	97,619	37,960
	1923	1,024	21,447	38,173	33,496	118,278	84,782	35,048
	1914	1,309	17,827	14,336	16,496	48,452	31,956	21,276
Engravers' materials	1925	16	177	276	1,202	2,014	812	921
	1923	24	224	392	1,359	2,303	944	832
	1914	13	106	73	551	768	217	491
Engraving (other than steel, copperplate, or wood) chasing, etching, and diesinking.	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
	1923	210	1,887	2,853	2,820	9,121	6,301	2,345
	1914	486	1,536	1,076	596	3,134	2,538	1,035
Engraving, wood	1925	22	117	234	46	525	479	32
	1923	24	141	214	42	524	482	26
	1914	72	302	310	96	719	623	68
Photo-engraving, not done in printing establishments.	1925	577	9,868	24,321	8,393	58,640	50,247	6,735
	1923	450	8,521	18,669	6,606	43,660	37,054	5,786
	1914	376	6,211	6,167	2,798	15,359	12,561	3,724
Stereotyping and electrotyping, not done in printing establishments.	1925	193	4,283	9,206	4,280	22,361	18,081	13,774
	1923	179	4,096	8,334	3,806	20,596	16,790	12,313
	1914	189	3,457	3,001	2,255	8,154	5,899	6,743
Printing materials, not including type or printing ink.	1925	71	888	1,379	1,787	6,526	4,739	1,981
	1923	68	560	844	1,163	4,806	3,643	1,062
	1914	94	423	340	763	2,111	1,348	638
Type founding	1925	18	537	603	706	2,451	1,745	1,236
	1923	18	606	646	709	2,512	1,803	1,438
	1914	31	1,054	666	901	2,320	1,419	1,647
Wall paper, not made in paper mills.	1925	49	5,069	5,863	14,999	30,069	15,070	11,528
	1923	51	5,412	6,221	16,991	34,756	17,765	11,246
	1914	48	4,738	2,703	8,536	15,887	7,351	6,930
CHEMICALS AND ALLIED PRODUCTS								
Ammunition and related products.	1925	27	7,777	7,987	22,820	41,707	18,887	23,316
	1923	27	10,470	10,817	27,741	51,509	23,768	23,172
	1914	32	11,493	6,751	16,277	30,840	14,563	11,354
Explosives	1925	103	5,697	7,731	37,877	69,669	31,792	37,808
	1923	106	6,388	9,112	39,496	75,029	35,533	35,231
	1914	111	6,306	4,488	25,627	41,433	15,806	45,778
Fireworks	1925	41	1,446	1,429	2,399	6,031	3,632	1,148
	1923	38	1,224	1,156	1,831	4,977	3,146	941
	1914	41	1,324	616	1,206	2,296	1,090	707
Baking powders, yeast, and other leavening compounds.	1925	49	2,931	4,063	23,376	74,593	51,217	36,633
	1923	57	3,507	4,920	21,657	51,691	30,034	35,845
	1914	124	2,270	1,241	10,895	22,339	11,444	7,862
Blacking, stains, and dressings.	1925	171	1,869	2,165	9,733	25,055	15,322	2,659
	1923	175	2,165	2,170	10,253	25,822	15,569	2,792
	1914	197	1,766	877	5,129	9,882	4,753	2,442
Bluing	1925	23	176	185	1,017	2,167	1,150	366
	1923	25	188	188	800	1,643	843	296
	1914	66	254	105	489	1,184	695	216

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
CHEMICALS, ETC.—Continued								
Bone black, carbon black, and lampblack.	1925	66	1,505	1,722	5,655	14,565	8,910	7,289
	1923	68	1,303	1,461	5,295	14,600	9,305	5,567
	1914	27	339	231	686	1,464	778	1,786
Candles	1925	20	626	673	2,786	5,114	2,328	922
	1923	21	746	754	2,393	5,080	2,687	912
	1914	15	387	183	1,119	1,731	612	359
Chemicals, not elsewhere classified.[19 20]	1925	715	55,694	80,435	271,646	547,003	275,357	657,867
	1923	736	74,897	99,845	316,901	630,870	313,969	669,327
	1921	692	46,306	58,024	190,502	390,768	200,266	----------
	1919	781	71,249	96,250	280,298	574,141	293,843	445,203
	1914	395	32,311	22,066	89,451	158,054	68,603	267,907
Cleaning and polishing preparations.	1925	299	2,161	2,660	12,707	34,020	21,313	6,279
	1923	298	2,376	2,746	13,600	35,443	21,843	6,698
	1914	398	1,239	619	3,895	9,152	5,257	2,543
Coke, not including gas-house coke.	1925	237	23,191	36,762	277,751	378,634	100,883	409,552
	1923	262	28,364	48,108	354,030	516,923	162,893	332,560
	1921	176	16,070	23,833	168,791	221,313	52,522	----------
	1919	278	29,319	42,299	224,267	316,516	92,249	224,879
	1914	231	21,107	14,289	69,138	99,275	30,137	117,127
Drug grinding	1925	22	622	710	4,921	8,446	3,525	4,389
	1923	24	750	893	6,555	10,562	4,007	4,958
	1914	29	1,059	583	5,215	8,080	2,865	4,972
Druggists' preparations	1925	370	9,685	11,078	36,064	95,420	59,356	12,553
	1923	389	8,966	9,186	33,364	79,143	45,779	11,255
	1914	416	9,277	4,755	22,935	48,010	25,075	8,368
Patent medicines and compounds.	1925	1,279	14,802	15,592	84,790	247,564	162,774	33,840
	1923	1,363	17,353	16,915	88,802	237,494	148,692	29,998
	1921	1,436	13,800	13,684	69,571	175,898	106,327	----------
	1919	2,467	17,444	13,749	88,819	212,162	123,343	25,409
	1914	2,903	13,328	6,675	35,940	102,463	60,523	18,326
Perfumery, cosmetics, and toilet preparations.	1925	594	8,714	8,537	46,933	129,510	82,577	7,381
	1923	465	7,761	7,102	37,636	100,241	62,605	6,502
	1914	496	2,897	1,280	7,465	16,899	9,434	1,815
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1925	125	2,495	2,987	22,763	34,784	12,021	32,634
	1923	125	3,243	3,801	24,033	35,972	11,939	32,833
	1914	112	2,839	1,613	13,238	20,620	7,382	23,288
Fertilizers	1925	587	19,644	17,743	137,808	206,773	68,965	152,193
	1923	573	18,572	16,365	127,980	183,089	55,109	161,774
	1921	588	16,898	16,026	144,978	180,375	35,397	----------
	1919	600	26,296	25,363	185,041	281,144	96,103	125,939
	1914	784	22,815	10,532	107,955	153,196	45,241	113,926
Gas, manufactured, illuminating and heating.	1925	919	46,998	67,437	178,423	455,460	277,037	428,132
	1923	939	42,282	59,600	191,120	450,097	258,977	358,605
	1921	954	34,956	53,306	202,253	411,196	208,943	----------
	1919	1,022	42,908	52,759	157,551	329,279	171,728	238,454
	1914	1,284	43,792	26,802	76,779	220,238	143,459	213,303
Glue and gelatin	1925	55	3,325	3,976	15,338	25,764	10,426	22,807
	1923	50	3,651	4,076	14,591	24,366	9,775	24,708
	1914	57	3,129	1,854	9,368	13,733	4,365	13,299
Mucilage, paste, and other adhesives, not elsewhere classified.	1925	105	704	962	7,234	12,661	5,427	3,702
	1923	101	663	883	5,976	10,621	4,645	3,204
	1914	127	700	399	3,338	5,695	2,357	2,311
Grease and tallow, not including lubricating greases.	1925	263	5,303	7,508	33,713	51,442	17,729	30,840
	1923	254	5,248	7,004	31,275	48,634	17,359	25,275
	1914	369	5,106	3,512	17,061	24,901	7,840	17,935

For footnotes see p. 777.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
CHEMICALS, ETC.—Continued								
Lubricating greases not made in petroleum refineries.	1925	53	607	820	6,796	13,239	6,443	3,867
	1923	52	603	829	7,260	12,584	5,324	2,972
	1914	77	476	282	2,767	4,919	2,152	2,595
Ink, printing	1925	109	2,150	3,346	16,253	34,753	18,500	17,041
	1923	99	1,975	2,859	14,779	29,412	14,633	14,703
	1914	70	1,391	1,064	6,806	13,830	7,024	7,648
Ink, writing	1925	28	524	596	2,424	6,084	3,660	700
	1923	31	578	635	2,653	6,107	3,454	695
	1914	54	512	263	1,236	2,784	1,548	561
Alcohol, ethyl [21]	1925	31	1,395	1,838	38,565	57,706	19,141	10,268
	1923	30	1,062	1,474	17,770	33,000	15,230	8,129
	1914	434	6,295	3,994	40,997	206,779	165,782	51,670
Liquors, malt [21]	1921	531	18,551	29,366	55,016	122,050	67,034	
	1919	729	34,259	45,171	94,792	379,905	285,113	322,130
	1914	1,250	62,070	53,244	129,724	442,149	312,425	405,049
Liquors, vinous [21]	1925	27	265	262	1,765	3,436	1,671	1,499
	1923	38	515	524	2,959	5,831	2,872	2,935
	1914	318	2,292	1,194	9,489	16,618	7,129	9,339
Oil, cake, and meal, cottonseed.	1925	535	16,215	11,412	244,315	295,685	51,370	239,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,864	217,225	22,361	
	1919	711	26,766	20,615	495,192	581,245	86,053	289,981
	1914	882	21,810	8,490	180,976	212,127	31,151	249,781
Oils, essential	1925	14	178	281	4,363	5,882	1,519	1,164
	1923	17	170	237	2,256	3,184	928	1,388
	1914	105	249	133	1,565	2,314	749	1,959
Oil, cake, and meal, linseed.	1925	33	2,692	4,290	121,762	140,514	18,752	25,869
	1923	34	2,631	3,784	102,690	113,221	10,531	21,674
	1914	25	1,488	1,127	39,555	44,882	5,327	15,511
Oils, not elsewhere classified.	1925	191	3,615	4,963	85,202	117,776	32,574	17,989
	1923	211	4,271	5,460	84,201	118,158	33,957	18,431
	1914	181	2,049	1,363	26,420	38,040	11,620	10,489
Paints and varnishes	1925	923	25,490	35,420	293,943	470,736	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,293	171,398	274,310	102,912	
	1919	830	21,507	24,118	217,112	340,347	123,235	84,827
	1914	800	16,083	10,180	88,465	145,624	57,159	67,568
Rayon [20]	1925	14	19,128	22,976	18,478	88,061	69,583	66,966
Petroleum refining	1925	359	65,324	104,645	1,889,678	2,376,657	486,979	393,753
	1923	382	66,717	103,834	1,425,053	1,793,700	368,647	391,154
	1921	366	63,189	102,294	1,382,170	1,727,440	345,270	
	1919	320	58,889	89,750	1,247,908	1,632,533	384,625	238,906
	1914	176	25,366	19,397	325,265	396,361	71,096	128,190
Salt	1925	70	6,308	7,261	13,849	34,253	20,404	54,647
	1923	75	6,809	8,130	16,477	36,837	20,360	58,101
	1914	98	5,089	3,041	6,273	14,070	7,797	29,007
Soap	1925	272	15,406	18,526	184,873	278,273	93,400	56,697
	1923	270	17,002	20,777	173,546	276,403	102,857	74,820
	1921	283	16,558	18,865	150,356	240,195	89,839	
	1919	348	20,436	21,228	238,519	316,740	78,221	33,700
	1914	371	14,172	8,088	88,867	127,942	39,075	34,105
Sulphuric, nitric, and mixed acids.	1925	36	2,196	3,103	11,066	23,307	12,241	22,120
	1923	37	2,357	3,456	11,695	24,405	12,710	19,131
	1914	32	3,064	2,213	6,734	15,215	8,481	21,002
Wood distillation and charcoal manufacture.	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
	1923	123	4,123	4,325	17,269	29,695	12,426	14,910
	1914	142	3,010	1,646	6,729	10,284	3,555	10,179

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
STONE, CLAY, AND GLASS PRODUCTS [22]								
Industries using stone as a material, total.	1925	4,852	123,699	178,644	300,793	779,032	478,239	1,365,906
	1923	4,621	118,560	167,466	273,369	697,461	424,092	1,071,210
	1921	4,752	84,565	109,834	212,557	464,613	252,056	
	1919	7,969	93,881	108,521	195,407	457,760	262,353	796,159
	1914	9,530	115,642	74,637	119,163	277,562	158,399	808,040
Concrete products	1925	1,666	14,722	20,761	27,792	75,214	47,422	38,361
	1923	1,128	10,766	14,834	20,485	53,602	33,117	30,748
	1914	3,548	10,255	6,308	8,904	21,934	13,030	20,274
Marble, slate, and stone work.	1925	2,356	36,575	59,593	66,976	193,047	126,071	240,297
	1923	2,691	40,056	61,599	66,883	191,538	124,655	213,133
	1914	4,901	54,891	37,960	37,802	107,055	69,253	206,115
Lime	1925	283	12,095	14,002	20,049	50,736	30,687	87,871
	1923	301	12,290	13,522	19,700	47,244	27,544	74,205
	1914	627	12,429	6,040	7,558	18,391	10,833	39,079
Cement	1925	145	38,437	53,911	114,169	300,895	186,726	871,650
	1923	133	35,091	49,708	100,767	264,099	163,332	642,840
	1921	125	26,231	34,416	102,360	203,627	101,267	
	1919	123	25,524	33,195	79,510	175,265	95,755	488,808
	1914	133	27,916	18,192	51,987	101,756	49,769	490,402
Wall plaster, wall board, and floor composition.	1925	222	10,978	16,078	39,553	90,957	51,404	82,863
	1923	195	9,289	14,894	33,124	73,801	40,677	62,520
	1914	165	5,389	3,453	7,993	16,544	8,551	36,599
Asbestos products, other than steam packing, or pipe and boiler covering.	1925	49	6,129	7,692	19,225	36,274	17,049	22,918
	1923	56	6,078	6,640	20,027	36,820	16,793	26,855
	1921	40	2,026	1,948	6,076	13,030	6,954	
	1919	46	3,654	3,732	12,948	23,978	11,030	9,657
	1914	32	962	484	1,360	2,814	1,454	2,861
Emery wheels and other abrasive and polishing appliances.	1925	63	3,352	4,770	11,105	25,731	14,626	11,654
	1923	57	3,595	4,708	10,698	25,307	14,609	11,530
	1914	49	2,387	1,491	3,006	7,130	4,124	4,080
Grindstones, pulpstones, and millstones.[23]	1925	21	454	560	292	1,631	1,339	3,005
	1923	21	647	691	560	2,096	1,536	3,896
	1914	14	686	323	116	684	568	2,160
Hones, whetstones, and similar products.	1925	6	156	158	394	787	393	891
	1923	8	166	172	179	546	367	1,151
	1914	16	170	64	87	260	173	864
Sand-lime brick	1925	41	801	1,119	1,238	3,760	2,522	6,396
	1923	31	582	698	946	2,408	1,462	4,332
	1914	45	557	322	350	994	644	5,606
Industries using clay and other earths as materials, total.	1925	2,688	150,953	189,011	155,938	502,770	346,832	700,775
	1923	2,734	151,176	185,282	155,034	497,812	342,778	613,862
	1921	2,624	106,627	120,200	108,774	316,056	207,282	
	1919	3,457	122,330	127,703	109,568	342,829	233,261	572,145
	1914	4,095	134,429	76,153	62,481	191,418	128,937	513,164
Clay products (other than pottery) and nonclay refractories.[24]	1925	1,939	102,777	127,127	100,013	333,730	233,717	517,204
	1923	1,983	102,723	123,773	103,318	333,416	230,098	480,576
	1921	1,881	68,759	73,726	68,276	194,329	126,053	
	1919	2,414	76,915	78,256	67,488	208,423	140,935	405,157
	1914	3,239	100,182	54,907	42,723	135,921	93,198	442,480
Pottery, including porcelain ware.	1925	309	36,536	46,769	33,926	111,078	77,152	50,141
	1923	304	36,824	46,706	33,600	114,392	80,792	44,532
	1914	350	26,705	16,666	12,032	36,943	24,911	22,337
China firing and decorating, not done in potteries.	1925	31	333	386	672	1,590	918	38
	1923	33	355	460	609	1,493	884	49
	1914	51	295	160	330	727	397	22
Crucibles	1925	11	284	381	755	2,092	1,337	1,476
	1923	13	516	627	1,226	3,468	2,242	1,647
	1914	10	302	171	1,270	1,886	616	875

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
STONE, CLAY, ETC.—Continued								
Graphite, ground and refined.	1925	11	228	278	1,328	2,569	1,241	2,927
	1923	8	244	304	1,082	2,184	1,102	2,700
	1914	11	250	181	723	1,724	1,001	2,602
Minerals and earths, ground or otherwise treated.	1925	250	8,762	9,882	17,165	42,381	25,216	127,649
	1923	243	8,707	10,168	13,301	35,309	22,008	83,471
	1914	244	4,707	2,485	4,561	10,307	5,746	44,067
Statuary and art goods, factory product.	1925	137	2,033	4,188	2,079	9,330	7,251	1,340
	1923	150	1,807	3,244	1,898	7,550	5,652	887
	1914	190	1,988	1,583	842	3,910	3,068	781
Glass and manufactures of glass, total.	1925	938	78,384	99,357	146,696	358,850	212,154	281,476
	1923	962	81,956	100,819	145,070	367,848	222,778	250,982
	1921	971	61,798	77,031	106,926	252,420	145,494	
	1919	1,173	86,599	96,501	117,637	311,158	193,521	216,613
	1914	1,165	85,753	55,294	59,173	149,720	90,547	172,772
Glass	1925	310	69,371	86,736	113,652	295,959	182,307	271,639
	1923	333	73,335	89,898	113,170	309,353	196,183	240,528
	1921	329	54,748	68,224	86,036	213,471	127,435	
	1919	371	77,520	87,527	90,780	261,884	171,104	207,338
	1914	348	74,502	48,656	46,016	123,085	77,069	162,934
Glass cutting, staining, and ornamenting.	1925	410	4,860	6,517	13,331	27,943	14,612	3,531
	1923	434	5,157	6,042	11,809	25,027	13,218	4,732
	1914	635	8,067	4,670	7,143	16,446	9,303	5,358
Mirrors, framed and unframed.	1925	218	4,153	6,104	19,713	34,948	15,235	6,306
	1923	195	3,464	4,879	20,091	33,468	13,377	5,722
	1914	182	3,184	1,968	6,014	10,189	4,175	4,480
METALS AND PRODUCTS, EXCEPT IRON AND STEEL								
Metals, total	1925	1,205	66,393	95,986	490,183	688,798	198,615	378,915
	1923	1,232	68,190	93,610	447,024	644,965	197,941	319,377
	1921	1,124	43,072	50,580	202,329	298,252	95,923	
	1919	1,339	79,156	99,130	417,489	614,938	197,449	280,854
	1914	1,218	42,827	26,827	163,334	218,368	55,034	130,312
Babbitt metal, white metal, type metal, and solder.	1925	67	1,465	2,221	44,081	50,650	6,569	3,907
	1923	83	1,497	1,969	33,964	41,487	7,523	4,004
	1914	109	1,035	701	15,652	19,180	3,528	2,881
Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified.[25]	1925	1,044	62,942	90,613	337,641	519,725	182,084	361,242
	1923	1,044	64,931	89,065	332,084	512,262	180,178	306,265
	1921	920	40,033	46,460	130,904	215,549	84,645	
	1919	1,102	75,288	94,337	305,274	483,264	177,990	266,156
	1914	1,004	40,751	25,328	115,925	163,169	47,244	122,761
Gold, silver, and platinum, reducing and refining, not from the ore.	1925	65	1,258	2,166	88,867	95,243	6,376	9,676
	1923	76	901	1,361	65,089	71,921	6,832	4,620
	1914	78	456	391	25,709	28,588	2,879	2,061
Lead, bar, pipe, and sheet	1925	29	728	986	19,594	23,180	3,586	4,090
	1923	29	861	1,215	15,887	19,295	3,408	4,488
	1914	27	585	407	6,048	7,431	1,383	2,609
Smelting and refining, total.	1925	173	35,936	52,627	931,326	1,149,264	167,938	474,336
	1923	130	40,691	59,594	851,738	999,954	148,216	555,644
	1921	145	20,214	26,677	378,364	445,182	66,818	
	1919	192	41,787	58,742	889,432	1,022,340	132,908	464,503
	1914	172	37,318	30,867	603,996	709,041	105,045	271,490
Copper	1925	26	15,588	22,642	573,190	665,177	91,987	326,509
	1923	29	16,777	25,459	554,100	625,433	71,333	332,943
	1921	28	8,293	11,199	205,904	234,895	28,991	
	1919	34	17,345	25,723	584,410	651,102	66,692	321,610
	1914	37	17,731	16,149	379,157	444,022	64,865	194,980

For footnotes see p. 777.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
METALS, ETC.—Con.								
Lead	1925	17	6,115	9,001	254,881	283,043	28,162	47,219
	1923	20	6,194	8,768	207,315	227,735	20,420	42,377
	1921	23	4,509	5,958	134,061	150,594	16,533	
	1919	25	6,438	9,180	179,374	196,795	17,421	49,668
	1914	22	7,385	6,134	154,015	171,579	17,564	29,734
Zinc	1925	28	11,289	16,305	83,992	118,906	34,914	86,368
	1923	35	11,918	16,896	64,134	94,184	30,050	69,583
	1914	29	9,617	6,700	39,573	53,538	13,965	36,705
Metals, not elsewhere classified.[26, 27]	1923	4	257	387	4,541	5,382	841	1,144
	1921	5	434	748	4,055	7,060	3,005	
	1919	13	2,041	2,963	14,957	20,074	5,117	11,700
Metals other than gold, silver, or platinum not from the ore.	1925	102	2,944	4,679	69,263	82,138	12,875	14,240
	1923	41	1,587	2,224	29,049	35,785	6,736	9,654
	1914	84	2,585	1,884	31,251	39,902	8,651	10,071
Metal products, total.	1925	5,097	169,626	226,914	472,727	983,267	510,540	294,492
	1923	5,625	184,656	235,625	465,697	976,815	511,118	284,130
	1921	6,140	146,608	175,431	303,187	655,398	352,211	
	1919	8,300	180,228	196,972	427,464	869,749	442,285	199,625
	1914	7,839	155,517	94,549	195,128	395,748	200,620	142,216
Aluminum manufactures.	1925	127	14,353	19,753	84,985	127,831	42,846	62,366
	1923	119	16,288	19,844	66,659	106,930	40,271	58,272
	1914	37	4,614	2,611	14,421	19,598	5,177	12,297
Clocks, time-recording devices, and clock movements.	1925	45	7,945	9,238	8,920	29,379	20,459	8,614
	1923	38	9,359	9,879	8,172	28,553	20,381	8,285
	1914	48	6,754	3,653	4,008	11,032	7,024	5,993
Watches and watch movements.	1925	13	13,915	16,557	6,178	36,254	30,076	12,348
	1923	17	11,571	13,870	8,836	30,630	21,794	7,396
	1914	15	12,390	7,524	2,669	14,275	11,606	6,624
Watch and clock materials and parts, except watchcases.	1925	25	501	480	376	1,363	987	219
	1923	25	396	380	379	1,289	910	170
	1914	25	670	380	343	1,015	672	621
Watchcases	1925	45	3,480	4,462	6,050	14,793	8,743	4,106
	1923	57	4,325	5,414	7,499	17,817	10,318	5,710
	1914	31	3,514	1,938	4,002	7,831	3,829	2,369
Copper, tin, and sheet-ironwork, including galvanized-iron work, not elsewhere classified.	1925	2,107	24,996	37,825	84,080	175,043	90,963	35,273
	1923	2,524	28,852	42,446	93,507	188,908	95,401	34,243
	1914	4,527	28,714	20,518	50,174	94,891	44,717	21,275
Fire extinguishers, chemical.	1925	26	842	1,131	4,122	8,037	3,915	1,440
	1923	26	762	847	3,366	6,152	2,786	1,235
	1914	27	256	200	574	1,298	724	269
Stamped and enameled ware, not elsewhere classified.[28]	1925	370	29,704	36,107	77,487	154,096	76,609	64,346
	1923	329	35,237	42,636	84,518	170,923	86,405	68,326
	1914	270	28,731	15,243	32,472	65,121	32,649	34,561
Gas and electric fixtures, not including lamps and reflectors.	1925	329	11,565	16,534	28,249	68,841	40,592	13,728
	1923	350	12,315	15,654	25,966	61,750	35,784	13,818
	1914	460	10,913	6,504	14,090	28,740	14,650	9,643
Lamps and reflectors, not including electric bulbs.	1925	188	10,769	14,538	29,521	60,857	31,336	16,310
	1923	185	10,604	13,443	26,674	57,229	30,555	16,716
	1914	151	7,134	4,173	8,012	16,638	8,626	8,570
Needles, pins, hooks and eyes, and snap fasteners.	1925	48	5,850	5,856	5,926	18,174	12,248	7,603
	1923	49	6,834	6,703	7,796	22,147	14,351	10,367
	1914	49	5,339	2,507	3,242	7,891	4,649	4,783
Gold and silver, leaf and foil.	1925	84	1,148	1,113	1,839	3,746	1,907	326
	1923	64	918	934	1,897	3,562	1,665	281
	1914	79	1,135	498	1,452	2,432	980	360

For footnotes see p. 777.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
METALS, ETC.—Con.								
Jewelry	1925	1,468	23,837	35,177	79,886	166,816	86,930	17,296
	1923	1,622	26,354	36,424	83,983	174,034	90,051	16,851
	1914	1,914	28,289	18,302	39,116	81,006	41,890	13,862
Pens, gold	1925	13	226	299	589	1,115	526	121
	1923	15	428	658	1,257	2,320	1,063	191
	1914	12	246	174	302	642	340	138
Silversmithing and silverware.	1925	93	5,587	8,607	13,106	32,532	19,426	7,770
	1923	98	4,972	7,330	10,859	27,207	16,348	7,284
	1914	108	7,070	4,795	8,275	19,786	11,511	7,899
Plated ware	1925	90	11,290	15,236	20,071	54,330	34,259	23,914
	1923	83	12,118	15,641	19,814	53,899	34,085	22,390
	1914	72	8,717	5,001	8,394	18,484	10,180	10,494
Tin and other foils, not including gold and silver; collapsible tubes.	1925	26	3,618	4,001	21,342	30,060	8,718	18,712
	1923	24	3,323	3,522	14,515	23,465	8,950	12,595
	1914	14	1,031	528	3,672	5,068	1,396	2,458
Electroplating	1925	449	3,337	5,254	2,541	12,441	9,900	10,743
	1923	446	3,374	5,195	2,613	12,297	9,684	9,505
	1914	479	2,584	1,713	1,336	4,773	3,437	5,308
TOBACCO MANUFACTURES								
Tobacco: Chewing and smoking, and snuff.	1925	178	15,024	12,185	94,418	216,186	121,768	17,541
	1923	206	16,301	12,739	146,374	222,966	76,592	18,621
	1921	226	16,628	12,742	156,477	241,741	85,264	----------
	1919	365	18,324	12,675	130,270	239,271	109,001	18,893
	1914	436	25,980	9,550	76,604	175,281	98,677	21,273
Tobacco: Cigars and cigarettes.	1925	2,445	117,108	99,373	331,351	874,815	543,464	24,534
	1923	3,466	130,036	107,723	369,491	821,226	451,735	24,894
	1921	4,146	133,357	108,161	452,212	806,749	354,537	----------
	1919	9,926	138,773	111,313	353,297	773,662	420,365	24,497
	1914	13,515	152,892	68,306	130,530	314,884	184,354	13,483
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements.	1925	303	28,696	37,388	73,850	169,468	95,618	115,325
	1923	312	30,962	40,511	63,492	151,286	87,794	121,975
	1914	601	48,459	34,593	73,509	164,087	90,578	121,256
Cash registers and calculating machines.	1925	41	13,296	21,142	11,166	98,384	87,218	14,016
	1923	37	14,971	22,775	12,483	95,106	82,623	([20])
	1914	52	8,956	6,110	3,992	30,520	26,528	10,619
Electrical machinery, apparatus, and supplies.	1925	1,739	239,921	323,834	636,692	1,540,002	903,310	589,398
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	480,268
	1921	1,333	161,204	194,242	344,070	833,985	489,915	----------
	1919	1,404	212,374	238,189	425,098	997,968	572,870	438,082
	1914	1,030	118,078	73,806	154,728	335,170	180,442	226,320
Engines and water wheels.	1925	220	51,099	73,585	145,784	313,588	167,804	224,194
	1923	249	48,495	70,878	124,543	266,998	142,455	165,137
	1921	296	35,567	52,005	111,698	199,499	87,801	----------
	1919	370	77,617	105,436	217,551	464,775	247,224	190,005
	1914	446	29,657	21,421	31,460	72,121	40,661	62,106
Foundry and machine-shop products, not elsewhere classified.[30]	1925	8,154	397,838	590,801	883,708	2,232,986	1,349,278	1,424,259
	1923	8,531	448,777	642,431	936,231	2,337,073	1,400,842	1,234,326
	1921	9,013	321,363	412,359	653,364	1,565,527	912,163	----------
	1919	10,934	482,767	622,571	948,069	2,289,251	1,341,182	1,040,265
	1914	10,640	362,471	244,146	358,122	866,545	508,423	763,821
Gas machines and gas and water meters.	1925	61	5,514	7,429	13,038	34,292	21,254	7,375
	1923	61	6,127	7,757	14,332	34,250	19,918	7,364
	1914	123	4,972	3,310	6,118	15,184	9,066	5,681

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
MACHINERY—Con.								
Metal working machinery (including machine tools).[30, 31]	1925	378	36,825	55,932	54,524	175,592	121,068	147,418
	1923	350	33,373	47,337	40,977	137,206	96,229	109,196
Pumps (hand and power) and pumping equipment.	1925	253	17,935	25,278	50,328	120,148	69,820	56,470
	1923	229	14,550	19,991	34,465	92,930	58,465	38,286
	1914	183	8,322	5,555	9,459	24,214	14,755	17,141
Scales and balances	1925	71	4,292	5,783	7,349	27,237	19,888	9,771
	1923	65	4,245	5,500	6,595	24,157	17,562	9,615
	1914	83	4,467	2,934	3,174	9,734	6,560	6,187
Sewing machines, cases, and attachments.	1925	41	12,121	16,100	18,610	46,299	27,689	27,439
	1923	40	13,435	17,605	17,763	45,967	28,204	22,511
	1914	50	18,007	11,091	10,200	27,238	17,038	24,010
Textile machinery and parts.[30]	1925	379	27,869	37,464	39,037	121,653	82,616	61,738
	1923	428	35,672	46,023	49,705	140,661	90,956	56,295
	1919	432	31,823	36,529	45,636	122,089	76,453	41,744
Typewriters and supplies.	1925	70	14,969	18,803	15,157	63,080	47,923	15,568
	1923	73	14,963	18,210	13,977	52,498	38,521	11,451
	1914	107	11,091	6,967	5,501	24,500	18,999	10,872
Washing machines, clothes wringers, dryers, and ironing machines for domestic use.	1925	82	7,077	9,990	32,748	69,568	36,820	18,028
	1923	85	6,144	7,839	25,742	50,373	24,631	11,415
	1914	111	2,302	1,221	4,149	7,600	3,451	4,898
Windmills and windmill towers.	1925	15	1,391	1,830	3,376	7,984	4,608	3,378
	1923	16	1,101	1,431	2,592	6,311	3,719	2,732
	1914	31	1,955	1,252	2,555	5,496	2,941	3,997
MUSICAL INSTRUMENTS AND PHONOGRAPHS								
Musical instruments and materials, not elsewhere classified.	1925	100	4,556	6,520	5,575	20,330	14,755	4,907
	1923	106	4,103	5,842	4,349	15,619	11,270	3,830
	1914	241	1,831	1,161	1,023	3,625	2,602	1,765
Musical instruments: Organs and orchestrions.	1925	57	2,460	3,610	3,749	12,283	8,534	3,983
	1923	59	1,855	2,662	2,803	9,603	6,800	2,902
	1914	85	3,063	1,993	2,660	6,297	3,637	3,666
Musical instruments: Pianos.	1925	142	20,079	28,096	49,296	101,181	51,885	26,912
	1923	160	22,208	30,679	54,179	111,160	56,981	26,859
	1914	255	23,877	15,705	29,091	62,775	33,684	25,838
Musical instruments: Piano and organ materials.	1925	94	8,618	10,131	15,294	36,836	21,542	15,734
	1223	99	9,672	11,243	17,019	38,838	21,819	15,478
	1914	138	10,616	5,655	9,502	19,876	10,374	14,569
Phonographs	1925	68	11,267	14,145	24,847	61,057	36,210	45,782
	1923	111	20,491	24,970	45,250	107,311	62,061	41,160
	1914	18	9,381	6,341	7,048	27,116	20,068	11,688
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motor cycles.	1925	297	197,728	341,210	2,108,192	3,198,123	1,089,931	509,758
	1923	351	241,356	406,730	2,147,463	3,163,328	1,015,865	435,545
	1921	385	143,658	221,974	1,107,062	1,671,387	564,325	----------
	1919	315	210,559	312,166	1,578,652	2,387,903	809,251	282,323
	1914	300	79,307	66,934	292,598	503,230	210,632	104,963
Motor-vehicle bodies and motor-vehicle parts.	1925	1,358	228,382	372,721	862,721	1,523,279	660,558	662,255
	1923	2,120	163,530	253,147	564,107	1,013,113	449,006	425,088
	1921	1,974	69,119	96,779	213,965	408,017	194,052	----------
	1919	2,515	132,556	178,956	362,027	692,171	330,144	256,770
	1914	971	47,785	34,993	63,610	129,601	65,991	67,912

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
TRANSPORTATION EQUIPMENT—Con.								
Motor cycles, bicycles, and parts.	1925	36	4,193	5,662	12,177	24,258	12,081	12,609
	1923	39	6,576	8,010	18,003	32,259	14,256	14,840
	1914	78	6,680	4,739	10,928	22,234	11,306	8,718
Carriages, wagons, sleighs, and sleds.[32]	1925	152	4,833	5,792	12,860	24,935	12,075	20,449
	1923	396	8,109	9,319	18,683	37,373	18,690	26,509
	1921	837	8,025	9,903	16,884	33,114	16,230	
	1919	2,297	18,464	19,664	49,333	93,143	43,810	41,081
	1914	4,622	41,627	26,697	52,602	107,639	55,037	75,439
Carriage, wagon, sleigh, and sled materials.	1925	81	1,389	1,216	2,659	5,118	2,459	8,689
	1923	109	1,983	1,591	4,004	7,313	3,309	10,647
	1914	456	11,087	6,059	13,546	24,850	1,304	38,195
Carriages and sleds, children's.	1925	86	6,926	7,924	13,553	30,173	16,620	9,853
	1923	100	8,324	8,856	15,936	34,173	18,237	9,376
	1914	92	5,900	3,181	5,682	11,752	6,070	5,652
Aircraft and parts	1925	44	2,701	4,222	2,870	12,525	9,655	3,735
	1923	33	2,901	4,522	3,830	12,945	9,115	5,443
	1914	16	168	135	134	790	656	195
Locomotives, not made in railroad repair shops.	1925	18	12,809	18,219	41,717	65,389	23,672	114,209
	1923	19	30,672	51,867	124,261	215,393	91,132	91,214
	1914	19	17,391	11,085	23,546	43,374	19,828	50,373
Cars, steam - railroad and electric, not built in railroad repair shops.	1925	141	50,393	77,247	266,053	390,771	124,718	243,934
	1923	139	80,590	129,178	413,660	604,351	190,691	250,102
	1921	118	48,033	70,945	211,938	340,536	128,598	
	1919	106	55,218	82,417	368,144	556,665	188,521	167,180
	1914	117	58,128	43,861	138,550	205,271	66,721	135,898
Ship and boat building, steel, including repair work.	1925	118	38,308	56,687	49,558	132,415	82,857	259,463
	1923	125	51,961	76,370	71,905	177,703	105,798	280,373
	1914	79	33,508	25,166	29,270	66,217	36,947	83,706
Ship and boat building, wooden, including repair work.	1925	447	11,916	17,588	16,741	44,767	28,026	44,007
	1923	442	10,326	14,349	12,653	35,529	22,876	37,339
	1914	1,068	10,981	7,765	9,327	22,465	13,138	31,408
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1925	1,842	425,234	619,834	533,908	1,248,867	714,959	871,769
	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	735,635
	1921	1,766	385,006	624,181	473,011	1,180,030	707,019	
	1919	1,744	484,437	687,618	515,803	1,279,235	763,432	591,070
	1914	1,362	339,518	234,505	243,829	514,041	270,212	433,904
Car and general construction and repairs, electric-railroad repair shops.	1925	521	32,521	48,358	29,738	83,812	54,074	70,479
	1923	547	34,925	49,226	31,982	86,413	54,431	62,370
	1914	649	26,384	18,645	17,609	38,577	20,968	44,989
MISCELLANEOUS INDUSTRIES[33]								
Artificial and preserved flowers and plants.	1925	187	4,305	4,287	7,265	17,824	10,559	737
	1923	223	4,696	4,502	8,692	19,650	10,958	847
	1914	217	4,808	1,991	3,207	7,614	4,407	237
Artificial limbs	1925	123	562	794	627	3,021	2,394	955
	1923	108	493	711	613	2,635	2,022	692
	1914	153	488	369	316	1,498	1,182	589
Artists' materials	1925	62	1,317	1,568	3,802	8,321	4,519	2,982
	1923	61	1,411	1,747	4,355	8,639	4,284	4,902
	1914	44	604	315	2,065	3,238	1,173	1,860

For footnotes see p. 777.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
MISCELLANEOUS—Continued								
Brooms	1925	421	4,725	4,654	11,213	21,714	10,501	5,399
	1923	444	4,730	4,482	14,934	26,262	11,328	4,960
	1914	868	5,642	2,624	7,884	14,085	6,201	4,495
Brushes, other than rubber.	1925	302	7,836	8,452	22,021	45,834	23,803	11,220
	1923	306	8,719	9,208	25,570	50,512	24,942	10,276
	1914	359	7,213	3,461	9,327	17,894	8,567	6,298
Buttons	1925	289	11,513	10,893	12,373	32,458	20,085	15,840
	1923	336	11,860	11,229	13,200	32,750	19,550	15,384
	1914	517	14,511	6,424	8,702	20,712	12,010	14,009
Combs and hairpins, not made from metal or rubber.	1925	44	1,300	1,293	2,334	5,270	2,936	1,892
	1923	42	2,144	2,267	4,583	8,770	4,187	1,919
	1914	66	2,773	1,393	2,853	5,478	2,625	2,453
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and aplarists' supplies.	1925	180	4,844	5,864	15,421	37,263	21,842	14,719
	1923	192	5,783	6,643	17,587	39,463	21,876	14,308
	1914	236	5,551	3,363	9,248	18,950	9,702	11,639
Dental goods	1925	326	5,303	6,132	21,124	38,769	17,645	4,366
	1923	283	4,608	5,081	17,160	32,423	15,263	3,731
	1914	172	3,080	1,616	10,715	16,160	5,445	1,874
Enameling and japanning.	1925	95	1,550	2,170	2,250	6,896	4,646	3,775
	1923	83	1,315	1,713	1,822	5,448	3,626	2,727
	1914	112	1,542	798	1,064	2,547	1,483	1,715
Fancy and miscellaneous articles, not elsewhere classified.	1925	532	14,552	14,960	29,155	69,769	40,614	9,071
	1923	542	13,522	13,713	28,531	63,208	34,677	8,098
	1914	493	7,399	3,567	8,429	17,659	9,230	4,465
Feathers, plumes, and manufactures thereof.	1925	70	888	976	1,881	4,179	2,298	334
	1923	131	1,712	1,968	3,400	7,867	4,467	410
	1914	239	4,483	1,988	6,102	11,451	5,349	308
Foundry supplies	1925	66	1,087	1,360	6,904	12,723	5,819	10,733
	1923	64	966	1,162	4,823	10,248	5,425	7,736
	1914	57	555	301	997	2,013	1,016	4,689
Fuel, manufactured	1925	14	246	369	3,935	6,019	2,084	6,573
	1923	15	364	511	3,907	5,584	1,677	7,623
	1914	14	141	112	609	863	254	3,444
Fur goods	1925	2,000	16,556	35,164	159,316	254,266	94,950	4,985
	1923	1,758	14,439	27,923	126,162	198,043	71,881	4,299
	1921	1,707	12,052	22,421	84,537	139,366	54,829	----------
	1919	1,815	13,639	24,149	105,597	173,138	67,541	5,327
	1914	1,322	9,030	6,335	23,847	43,633	19,786	3,225
Furs, dressed	1925	133	5,056	8,206	7,297	25,423	18,126	9,858
	1923	162	5,203	8,381	7,242	25,467	18,225	7,776
	1914	96	1,525	923	906	2,875	1,969	2,207
Hair work	1925	85	864	975	3,046	6,090	3,044	13
	1923	113	1,317	1,352	5,568	11,264	5,696	17
	1914	205	1,193	581	1,529	3,335	1,806	68
Hand stamps and stencils and brands.	1925	323	2,930	4,015	4,070	15,321	11,251	3,658
	1923	255	2,312	3,035	3,103	11,131	8,028	2,571
	1914	384	1,767	1,149	1,425	4,486	3,061	1,355
Hats, straw	1925	83	5,920	5,823	15,178	28,154	12,976	3,541
	1923	97	6,812	7,523	16,341	32,569	16,228	3,673
	1914	149	9,483	5,253	14,086	25,444	11,358	5,144
Instruments, professional and scientific.	1925	233	12,129	16,166	20,428	76,339	55,911	17,595
	1923	258	12,275	15,503	18,040	63,074	45,034	16,203
	1914	307	7,107	4,652	5,582	17,495	11,913	6,731

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
MISCELLANEOUS—Continued								
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1925	29	488	555	727	1,879	1,152	892
	1923	30	603	663	1,121	2,441	1,320	880
	1914	54	795	391	958	1,896	938	650
Jewelry and instrument cases.	1925	125	2,748	2,750	3,833	10,114	6,281	2,460
	1923	111	2,977	2,904	4,417	10,506	6,089	1,662
	1914	125	2,393	1,094	1,450	3,621	2,171	1,012
Lapidary work	1925	83	589	1,285	7,273	10,123	2,850	515
	1923	87	644	1,286	5,887	9,130	3,243	566
	1914	89	584	641	3,941	5,360	1,419	534
Mattresses and bed springs, not elsewhere classified.	1925	1,018	14,403	17,430	62,489	110,717	48,228	32,840
	1923	1,015	14,103	16,473	61,477	107,562	46,085	30,324
	1914	1,000	11,747	6,723	22,399	38,717	16,318	20,604
Models and patterns, not including paper patterns.	1925	689	5,262	9,420	4,927	22,485	17,558	10,473
	1923	697	5,813	9,766	11,188	30,165	18,977	12,072
	1914	762	4,274	3,103	2,045	8,605	6,560	5,801
Motion pictures, not including projection in theaters.[34]	1925	132	5,573	13,066	33,258	93,636	60,378	29,472
	1923	97	6,408	16,601	30,657	86,418	55,761	15,476
	1919	50	3,646	6,709	19,579	36,705	17,126	4,169
Optical goods	1925	117	8,642	10,439	9,997	33,655	23,658	11,017
	1923	457	12,205	14,338	19,112	54,462	35,350	13,397
	1914	314	7,919	4,649	6,606	18,188	11,582	7,710
Paving materials, other than brick.	1925	604	17,941	22,368	33,435	90,630	57,195	207,469
	1923	627	19,442	22,109	24,842	71,456	46,614	197,290
	1914	609	19,540	11,184	14,163	35,678	21,515	137,862
Pencils, lead	1925	25	5,636	6,031	9,169	25,051	15,882	8,209
	1923	20	5,827	5,540	8,659	24,568	15,909	7,288
	1914	14	4,330	1,944	4,564	8,328	3,764	3,728
Pens, fountain and stylographic.	1925	60	3,490	4,055	7,741	24,036	16,295	3,213
	1923	53	3,398	3,659	7,909	20,239	12,330	2,710
	1914	55	1,154	718	1,614	6,865	5,251	1,157
Photographic apparatus and materials.	1925	118	9,154	13,300	25,779	78,654	52,875	22,866
	1923	111	9,905	13,224	19,253	71,828	52,575	34,791
	1914	146	8,674	5,545	11,539	39,041	27,502	16,439
Pipes (tobacco) and cigar and cigarette holders.	1925	28	1,970	2,291	2,718	7,299	4,581	2,052
	1923	30	2,402	2,720	3,828	9,705	5,877	2,354
	1914	47	2,354	1,188	2,308	4,220	1,912	1,641
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings.	1925	140	8,310	12,145	78,597	123,591	44,994	34,161
	1923	122	7,665	10,826	55,520	84,342	28,822	39,598
	1914	170	4,088	2,642	17,605	27,978	10,373	11,702
Sandpaper, emery paper, and other abrasive paper and cloth.	1925	12	1,230	1,714	7,342	15,623	8,281	4,513
	1923	14	1,176	1,519	6,870	13,753	6,883	3,694
	1914	12	687	359	2,686	4,328	1,642	3,092
Signs and advertising novelties.	1925	759	15,128	20,764	25,858	89,669	63,811	12,550
	1923	648	12,988	16,429	22,641	67,224	44,583	11,781
	1914	776	9,566	5,933	9,059	24,792	15,733	7,345
Soda-water apparatus	1925	60	2,372	3,628	8,632	22,032	13,400	4,180
	1923	66	2,659	3,779	6,712	18,169	11,457	4,238
	1914	67	2,229	1,661	3,883	8,781	4,898	3,705
Sporting and athletic goods, not including firearms or ammunition.	1925	181	8,724	10,262	17,874	42,629	24,755	11,550
	1923	170	9,683	10,440	18,493	41,797	23,304	11,091
	1914	162	5,602	2,771	6,952	13,235	6,283	4,116

For footnotes see p. 777.

No. 757.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				Expressed in thousands of dollars				
MISCELLANEOUS—Continued								
Stationery goods, not elsewhere classified.	1925	217	11,399	12,076	31,108	67,809	36,701	10,970
	1923	225	13,314	14,628	34,714	77,689	42,975	11,539
	1914	189	7,728	3,791	10,763	21,903	11,140	5,687
Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills.	1925	172	6,086	8,072	20,372	43,871	23,499	20,113
	1923	142	5,064	6,432	15,849	32,991	17,142	17,671
	1914	149	4,213	2,525	8,176	14,213	6,037	17,165
Surgical appliances	1925	180	5,888	6,043	26,187	55,264	29,077	11,572
	1923	178	5,375	5,597	23,662	44,968	21,306	9,290
	1914	238	4,282	2,211	7,098	14,920	7,822	6,359
Theatrical scenery and stage equipment.	1925	33	391	854	1,520	3,578	2,058	413
	1923	17	210	430	635	1,626	991	162
	1914	7	88	89	125	327	202	65
Toys (not including children's wheel goods or sleds), games, and playground equipment.	1925	363	14,162	14,312	23,398	58,317	34,919	20,744
	1923	411	14,484	13,901	23,329	56,066	32,237	16,111
	1914	290	7,887	3,499	5,779	13,757	7,978	6,719
Umbrellas, parasols, and canes.	1925	176	3,731	3,696	16,594	27,299	10,705	3,027
	1923	187	3,776	3,739	18,000	28,395	10,395	2,409
	1914	265	4,792	2,167	8,592	13,813	5,221	2,544
Whips	1925	9	103	73	132	308	176	158
	1923	12	200	181	302	742	440	334
	1914	40	1,163	559	1,341	3,162	1,821	1,071
Window shades and fixtures.	1925	336	5,176	6,208	25,030	41,658	16,628	11,151
	1923	305	5,957	6,826	29,521	47,640	18,119	11,450
	1914	286	4,077	2,181	11,889	17,444	5,555	6,594
All other industries [35]	1923	5	633	1,014	13,636	15,526	1,890	1,330
	1921	16	1,506	2,076	9,886	16,246	6,360	
	1919	95	17,004	25,086	130,717	208,601	77,884	97,766
	1914	82	6,486	4,720	64,062	76,504	12,442	11,900

[1] At the census of 1923 a number of important establishments failed to make returns, consequently the figures for this year are incomplete and are not comparable with those of 1925 or those prior to 1923.
[2] No data for the coffee and spice, roasting and grinding industry were tabulated at the census for 1925, therefore statistics for the earlier years have been adjusted by deducting the figures for this industry.
[3] Includes cereal beverages ("near beer" and similar soft drinks) for 1925, 1923, and 1921, but not for earlier years.
[4] The manufacture of asbestos textiles, formerly treated as an industry in this group is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, p. 768, therefore data have been excluded from statistics for textile mill products for 1923 and earlier years.
[5] Because of a change in classification no comparable statistics can be given for prior years.
[6] "Gloves and mittens, cloth" included in "furnishing goods, men's," for 1914.
[7] Formerly reported as "clothing, horse."
[8] "Asphalted-felt-base floor coverings" included in "linoleum" for 1914.
[9] Includes "oakum" for 1923 and 1914.
[10] Similar products are manufactured to a large extent by steel works and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.
[11] Included in "foundry and machine shop products" for 1914. (See p. 771.)
[12] Data for establishments engaged in job welding are included in the figures for 1923 and earlier years, but are not included for 1925, as job welding establishments were not canvassed for that year.
[13] "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works, and rolling mills" industry.
[14] Classified in other industries for 1925.
[15] Includes "show cases" and "store and office fixtures."
[16] Formerly reported as "looking-glass and picture frames."
[17] "Rubber goods not elsewhere classified" includes data formerly classified as "belting, rubber," for 1914 to 1923. For 1919 and 1914 also includes "rubber tires and inner tubes," data for which were not specifically called for at those censuses.

[18] The manufacture of engravers' materials, formerly included with miscellaneous industries, is now classified with industries relating to printing and publishing. The statistics for 1923 and earlier years have been revised accordingly.

[19] Includes 183 establishments classified under "Coal-tar products" for 1919.

[20] "Rayon" included in "Chemicals not elsewhere classified" for 1923 and prior years.

[21] As to effect of the prohibition amendment, see note 5 to Table 756, p. 752. At the 1919 and 1921 censuses the malt-liquor industry was confined to cereal beverages (near beer and similar soft drinks) and in 1923 these were included under "Beverages." (See p. 756.)

[22] See footnote, 4.

[23] For 1914 "millstones" are included in "all other industries," p. 776.

[24] Formerly reported "Brick and tile, terra cotta, and fire-clay products."

[25] Includes data for bells, shown as a separate industry under "Metal Products" in previous reports.

[26] Not separately reported in 1914.

[27] None reported for 1925.

[28] Figures for 1925 not strictly comparable with those for 1923 due to the classification of the reports of several establishments in other industries.

[29] No comparable data.

[30] "Foundry and machine-shop products not elsewhere classified" include for 1914: "Iron and steel, processed," "machine tools," "steel barrels, kegs, and drums," and "textile machinery and parts," data for which were not specifically called for at that census.

[31] Figures for 1923 not strictly comparable with those for 1925 because of changes in classification.

[32] Data for establishments engaged solely in repair work are included for 1921, 1919, and 1914 but not for 1925 and 1923. The differences between the figures for 1923, 1921, 1919, and 1914 and those published in previous reports are due to the inclusion here and the exclusion from the previous reports of data for wheelbarrows.

[33] See footnote, 18.

[34] "Motion pictures, not including projections in theaters" includes for 1919 data formerly reported as "motion picture projection films," a subclassification of "photographic materials."

[35] At the census for 1925 it was possible, without disclosing the operations of individual establishments, to classify all establishments in the appropriate industries, and therefore no "All other industries" items are shown for 1925. For preceding census years the distribution was as follows: For 1923, "pulp from fiber other than wood," 2 establishments; "tin plate and terneplate, not made in rolling mills," 3. For 1921, "butter, reworking," 3; "oakum," 2; "ordnance and accessories," 3; "pulp, from fiber other than wood," 4; "tin plate and terneplate," 4. For 1919, "butter, reworking," 5; "ferroalloys," 30; "ordnance and accessories," 26; "pulp, from fiber other than wood," 5; "straw goods, not elsewhere classified," 1; "tin plate and terneplate," 24; "whalebone cutting," 1; and "wood carpet," 3. For 1914, "butter, reworking," 17; "millstones," 2; "ordnance and accessories," 2; "pulp from fiber, other than wood," 3; "pulp wood," 20; "tin plate and terneplate," 31; "whalebone cutting," 1; and "wood carpet," 6.

Source: Bureau of the Census, Department of Commerce.

No. 758.—MANUFACTURES IN CITIES HAVING

[NOTE.—All figures except number of wage earners in thousands of dollars. As to comparability of 1923 roasting and grinding, excluded for 1923 and 1925. The 1923

City and State	Average number of wage earners				Wages (thousands of dollars)			
	1914	1919	1923	1925	1914	1919	1923	1925
Akron, Ohio	24,680	65,054	44,903	52,546	17,310	94,779	71,284	80,476
Albany, N. Y	9,371	11,216	10,504	9,609	5,635	10,872	13,792	12,383
Atlanta, Ga	12,585	15,739	16,005	18,208	6,004	14,512	16,116	17,643
Baltimore, Md	73,769	97,814	90,041	85,797	35,509	103,129	93,503	93,612
Birmingham, Ala	10,863	17,264	14,772	16,054	6,505	19,894	16,564	18,120
Boston, Mass	78,894	88,759	82,450	77,334	49,444	96,401	107,256	103,812
Bridgeport, Conn	30,042	42,862	33,207	28,763	16,929	51,812	37,882	34,904
Buffalo, N. Y	54,416	75,899	70,054	66,015	34,818	95,702	96,534	96,000
Cambridge, Mass	16,749	22,550	25,674	21,945	10,217	22,842	30,999	27,409
Camden, N. J	22,541	40,906	27,842	22,700	12,978	53,630	33,413	29,175
Chicago, Ill	313,710	403,942	384,769	370,041	213,737	507,754	570,689	563,635
Cincinnati, Ohio	59,861	69,680	65,336	63,715	33,159	68,650	78,399	80,996
Cleveland, Ohio	103,317	157,730	141,466	132,852	67,351	211,206	205,222	201,378
Columbus, Ohio	17,236	26,751	27,585	24,590	11,177	30,979	37,199	33,272
Dallas, Tex	5,284	7,913	8,101	9,412	3,464	7,963	9,378	11,104
Dayton, Ohio	24,061	31,131	29,665	29,341	14,076	39,680	41,779	43,665
Denver, Colo	11,062	16,635	15,465	15,077	7,942	19,342	19,762	19,971
Des Moines, Iowa	5,306	7,085	9,558	8,007	3,560	7,559	12,665	11,456
Detroit, Mich	99,603	167,016	170,960	172,742	69,447	245,434	282,672	293,896
Fall River, Mass	36,834	37,015	37,018	30,596	16,131	30,514	35,509	28,241
Fort Worth, Tex	2,308	4,452	6,240	6,968	1,542	5,082	7,545	8,492
Grand Rapids, Mich	17,427	23,548	24,033	25,479	10,296	26,170	32,669	36,294
Hartford, Conn	17,137	26,264	23,611	21,758	11,312	31,441	30,354	29,858
Houston, Tex	5,607	9,860	9,145	9,007	3,590	10,402	11,767	10,805
Indianapolis, Ind	30,971	49,977	45,752	41,805	19,042	52,410	54,299	51,394
Jersey City, N. J	31,021	36,981	33,264	30,607	17,651	42,613	44,736	42,496
Kansas City, Kans	13,095	22,839	16,264	14,137	8,176	27,130	19,460	17,575
Kansas City, Mo	16,252	22,137	22,717	25,576	10,504	23,742	28,824	32,884
Los Angeles, Calif	23,744	47,118	55,270	58,026	18,277	55,111	81,236	85,736
Louisville, Ky	25,930	29,902	37,549	37,672	14,196	28,886	42,085	43,355
Lowell, Mass	29,904	30,111	27,162	21,570	14,002	29,865	28,256	21,179
Memphis, Tenn	8,389	11,963	10,508	9,988	4,901	10,482	10,836	11,319
Milwaukee, Wis	61,839	84,222	74,393	77,432	36,270	89,921	93,235	105,123
Minneapolis, Minn	28,295	38,154	33,349	31,730	18,895	41,275	41,060	40,311
Nashville, Tenn	8,573	10,666	11,583	10,549	4,321	9,362	10,655	9,691
New Bedford, Mass	33,343	41,630	37,917	35,696	16,558	40,012	41,146	37,100
New Haven, Conn	24,993	30,874	26,108	22,863	14,462	31,435	30,648	28,464
New Orleans, La	17,348	26,641	21,379	22,118	8,538	24,614	18,591	20,291
New York, N. Y	585,279	638,775	577,971	538,845	357,498	805,822	849,937	844,648
Newark, N. J	63,084	86,707	70,066	66,854	36,647	104,322	89,465	89,640
Norfolk, Va	5,263	5,119	5,083	5,429	2,258	5,982	5,875	5,990
Oakland, Calif	7,706	23,347	15,027	15,537	5,966	31,579	21,096	21,654
Omaha, Nebr	8,922	21,304	17,988	15,463	5,810	27,230	23,084	21,048
Paterson, N. J	30,925	37,217	33,247	33,779	16,195	38,597	41,277	45,003
Philadelphia, Pa	251,286	281,105	273,980	246,680	138,249	326,792	356,120	332,415
Pittsburgh, Pa	69,620	83,290	76,565	65,414	45,068	109,859	110,359	94,458
Portland, Oreg	11,273	26,813	21,392	20,077	8,542	38,758	28,116	26,736
Providence, R. I	44,176	53,372	45,495	41,207	24,482	53,178	52,970	49,710
Reading, Pa	24,131	29,122	28,709	27,247	11,885	29,624	34,773	32,748
Richmond, Va	17,282	21,759	18,751	18,137	8,440	19,843	18,927	17,961
Rochester, N. Y	44,113	63,792	58,649	52,589	26,600	69,246	77,646	73,406
St. Louis, Mo	85,058	107,919	112,698	105,022	51,150	108,557	134,823	130,857
St. Paul, Minn	19,483	22,649	22,841	23,664	12,796	24,449	29,108	30,701
Salt Lake City, Utah	4,931	6,362	5,197	4,898	3,801	7,153	6,155	5,876
San Antonio, Tex	4,083	6,614	5,539	5,440	2,412	5,794	5,302	5,367
San Francisco, Calif	31,758	48,550	43,160	41,373	25,289	59,704	60,694	60,525
Scranton, Pa	12,559	14,467	13,093	12,578	6,040	11,978	13,537	13,697
Seattle, Wash	12,429	40,843	17,697	19,220	9,935	63,395	25,172	27,610
Spokane, Wash	3,020	4,752	4,552	6,098	2,465	5,419	5,943	7,981
Springfield, Mass	14,240	18,429	19,089	17,693	9,350	19,796	23,965	23,189
Syracuse, N. Y	17,551	28,153	23,921	23,086	11,031	31,858	31,631	31,118
Toledo, Ohio	27,076	42,090	41,430	37,209	18,124	53,363	57,355	57,451
Trenton, N. J	19,828	24,547	24,045	22,322	11,134	27,858	30,913	30,135
Washington, D. C	8,877	10,482	9,780	9,753	6,069	13,189	14,744	15,320
Wilmington, Del	15,048	21,420	14,993	13,549	8,674	29,347	19,041	17,057
Worcester, Mass	29,452	38,673	36,449	31,142	17,633	44,440	47,244	42,330
Yonkers, N. Y	12,650	11,932	14,005	12,662	6,455	14,002	18,803	17,677
Youngstown, Ohio	15,861	19,414	20,516	19,215	12,349	38,319	35,202	33,682

[1] Data not available for 1923.

IN 1920, 100,000 OR MORE INHABITANTS

and 1925 figures with those of previous censuses, see general note, p. 749. Statistics for coffee and spice, totals differ, therefore, from those heretofore published]

Value of products				Value added by manufacture[1]			City and State
1914	1919	1923	1925	1914	1919	1925	
122, 292	558, 962	406, 837	565, 391	56, 230	244, 590	234, 796	Akron, Ohio.
25, 211	45, 455	52, 408	52, 178	13, 811	23, 972	26, 972	Albany, N. Y.
41, 279	113, 992	122, 284	131, 237	18, 162	46, 121	59, 193	Atlanta, Ga.
215, 172	677, 879	648, 858	678, 947	94, 639	250, 123	250, 384	Baltimore, Md.
43, 144	127, 214	88, 467	100, 204	17, 632	40, 395	46, 518	Birmingham, Ala.
284, 802	618, 922	567, 146	585, 992	134, 234	269, 316	295, 722	Boston, Mass.
85, 126	208, 090	148, 856	149, 098	40, 394	125, 777	80, 562	Bridgeport, Conn.
247, 516	634, 410	588, 132	675, 436	89, 520	233, 789	244, 903	Buffalo, N. Y.
57, 484	127, 865	185, 524	165, 833	25, 949	58, 738	89, 182	Cambridge, Mass.
71, 824	218, 165	180, 766	164, 051	35, 730	105, 061	81, 703	Camden, N. J.
1, 483, 498	3, 657, 424	3, 288, 004	3, 439, 163	581, 565	1, 278, 182	1, 557, 016	Chicago, Ill.
210, 860	500, 041	428, 577	457, 539	96, 753	203, 761	216, 410	Cincinnati, Ohio.
352, 418	1, 091, 577	1, 091, 222	1, 094, 780	153, 925	478, 128	494, 888	Cleveland, Ohio.
57, 608	184, 022	186, 011	178, 289	26, 972	71, 303	80, 612	Columbus, Ohio.
31, 065	93, 650	91, 133	112, 158	11, 495	28, 147	42, 961	Dallas, Tex.
71, 071	174, 991	187, 934	206, 104	38, 117	96, 530	122, 839	Dayton, Ohio.
46, 982	125, 411	118, 360	125, 763	18, 946	46, 071	53, 232	Denver, Colo.
23, 747	59, 831	102, 919	83, 624	11, 472	26, 540	40, 218	Des Moines, Iowa.
400, 348	1, 234, 520	1, 436, 454	1, 599, 340	178, 099	578, 607	693, 169	Detroit, Mich.
64, 663	163, 246	172, 396	142, 885	27, 502	67, 066	47, 790	Fall River, Mass.
9, 974	38, 160	75, 026	100, 329	4, 142	12, 503	24, 496	Fort Worth, Tex.
49, 792	109, 135	130, 278	145, 706	25, 797	57, 973	81, 742	Grand Rapids, Mich.
42, 831	118, 003	101, 894	109, 678	25, 187	69, 684	64, 248	Hartford, Conn.
25, 868	86, 874	84, 502	87, 445	9, 744	29, 082	36, 573	Houston, Tex.
139, 700	398, 667	345, 207	344, 925	48, 636	131, 913	141, 486	Indianapolis, Ind.
164, 528	374, 183	313, 999	340, 735	52, 746	110, 762	139, 235	Jersey City, N. J.
159, 700	468, 686	262, 447	288, 545	20, 433	51, 168	48, 913	Kansas City, Kans.
60, 953	192, 815	189, 733	221, 349	28, 972	68, 505	93, 833	Kansas City, Mo.
103, 458	278, 184	413, 483	531, 827	44, 517	118, 365	256, 337	Los Angeles, Calif.
105, 223	204, 566	239, 150	263, 693	49, 624	78, 466	113, 870	Louisville, Ky.
56, 049	137, 802	100, 998	81, 136	22, 945	60, 809	37, 574	Lowell, Mass.
39, 133	117, 718	95, 537	108, 877	16, 128	39, 593	40, 210	Memphis, Tenn.
223, 555	576, 161	510, 599	541, 912	98, 679	234, 393	250, 025	Milwaukee, Wis.
187, 854	491, 383	335, 039	338, 824	56, 655	128, 549	117, 440	Minneapolis, Minn.
33, 276	71, 108	77, 718	79, 331	13, 915	25, 662	31, 957	Nashville, Tenn.
65, 575	210, 773	149, 999	143, 551	28, 001	88, 202	63, 471	New Bedford, Mass.
57, 752	125, 456	113, 925	110, 506	30, 435	70, 159	64, 603	New Haven, Conn.
69, 814	182. 799	130, 718	155, 106	29, 253	69, 491	61, 845	New Orleans, La.
2, 292, 832	5, 260, 708	5, 310, 017	5, 324, 414	1, 063, 677	2, 399, 232	2, 605, 621	New York, N. Y.
210, 601	577, 609	448, 172	490, 047	97, 163	239, 647	238, 120	Newark, N. J.
13, 710	29, 588	29, 232	35, 455	6, 390	13, 966	15, 551	Norfolk, Va.
28, 522	134, 756	122, 492	144, 841	13, 523	70, 779	60, 741	Oakland, Calif.
66, 438	452, 237	311, 101	339, 004	18, 372	69, 133	59, 786	Omaha, Nebr.
78, 429	216, 659	194, 858	200, 977	37, 799	101, 698	94, 626	Paterson, N. J.
784, 500	1, 996, 481	1, 987, 343	1, 937, 415	333, 303	840, 141	887, 935	Philadelphia, Pa.
246, 694	614, 727	606, 354	518, 964	96, 779	247, 862	224, 582	Pittsburgh, Pa.
55, 697	196, 380	150, 955	150, 521	21, 798	84, 993	65, 359	Portland, Oreg.
115, 335	267, 629	215, 654	212, 118	51, 365	127, 302	105, 050	Providence, R. I.
53, 232	141, 561	134, 411	132, 405	21, 846	58, 867	64, 055	Reading, Pa.
62, 491	156, 724	143, 418	157, 450	31, 932	67, 280	83, 477	Richmond, Va.
140, 697	351, 416	337, 362	337, 548	82, 167	187, 133	201, 041	Rochester, N. Y.
360, 480	871, 700	896, 650	874, 557	156, 674	330, 874	361, 137	St. Louis, Mo.
68, 682	149, 638	150, 355	194, 013	32, 863	64, 468	86, 753	St. Paul, Minn.
16, 663	33, 357	33, 408	32, 589	8, 130	15, 938	16, 708	Salt Lake City, Utah.
17, 849	35, 456	33, 735	38, 634	7, 759	13, 207	15, 638	San Antonio, Tex.
162, 300	417, 321	392, 447	399, 986	65, 260	155, 903	177, 194	San Francisco, Calif.
28, 722	54, 630	64, 169	61, 282	12, 923	25, 684	28, 080	Scranton, Pa.
64, 475	274, 431	152, 729	159, 566	26, 705	124, 781	69, 998	Seattle, Wash.
16, 636	40, 149	39, 935	43, 156	7, 182	14, 498	17, 030	Spokane, Wash.
44, 429	98, 333	104, 568	109, 516	22, 514	50, 530	63, 146	Springfield, Mass.
52, 164	150, 091	149, 145	154, 029	28, 413	75, 408	83, 019	Syracuse, N. Y.
115, 049	293, 521	354, 401	371, 120	44, 555	120, 233	143, 475	Toledo, Ohio.
54, 822	122, 478	116, 623	126, 516	24, 879	62, 017	63, 547	Trenton, N. J.
28, 987	68, 827	71, 700	83, 577	16, 739	37, 887	50, 073	Washington, D. C.
39, 403	121, 040	80, 016	76, 502	17, 262	60, 552	34, 526	Wilmington, Del.
82, 829	208, 706	212, 043	210, 461	37, 035	102, 525	105, 065	Worcester, Mass.
67, 223	140, 017	144, 896	120, 467	15, 115	33, 567	36, 553	Yonkers, N. Y.
92, 111	241, 458	272, 184	236, 180	23, 034	78, 359	65, 177	Youngstown, Ohio.

Source: Bureau of the Census, Department of Commerce.

No. 759.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES

[NOTE.—As to comparability of figures for 1921, 1923, and 1925 with those of previous years, see general note p. 749. Data for horsepower not collected in 1921. No data for the "Coffee and spice, roasting and grinding" or the "Automobile repairing" industry, nor for establishments with products valued at less than $5,000, in any industry, are included in the statistics here given for 1925, 1923, or 1921. For 1919 and 1914 the data for the two industries named have been eliminated from the United States totals for all items, as published at the censuses for those years, and the data for establishments with products valued at less than $5,000 have been eliminated for all items except wages and primary horsepower. The figures for geographic divisions and States have not, however, been similarly adjusted]

Division and State	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				In thousands of dollars				
United States	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	195,580	8,768,491	10,999,282	34,480,854	60,258,471	25,777,617	33,056,870
	1921	195,555	6,937,688	8,192,952	25,154,807	43,427,224	18,272,417	
	1919	213,631	8,989,536	10,452,586	36,988,876	61,737,125	24,748,249	29,297,963
	1914	176,468	6,887,677	4,063,211	14,161,897	23,837,258	9,675,361	22,264,343
New England	1925	18,173	1,122,216	1,339,310	3,224,856	6,161,009	2,936,153	4,349,191
	1923	19,045	1,253,901	1,471,632	3,274,901	6,399,581	3,124,680	4,148,816
	1921	19,025	1,071,124	1,160,662	2,512,422	4,888,285	2,375,863	
	1919	25,528	1,351,389	1,436,437	3,951,908	7,183,071	3,231,163	3,779,818
	1914	25,193	1,140,233	628,409	1,657,674	2,926,675	1,269,001	3,098,836
Middle Atlantic	1925	58,895	2,491,039	3,434,610	10,682,358	19,409,491	8,727,133	10,106,390
	1923	65,834	2,691,748	3,592,835	11,064,589	19,660,996	8,596,407	9,618,526
	1921	67,007	2,244,084	2,768,648	8,095,005	14,538,054	6,443,049	
	1919	88,360	2,872,653	3,464,931	11,424,096	19,854,773	8,430,677	8,512,612
	1914	85,466	2,355,940	1,370,131	4,680,993	8,053,644	3,372,651	6,641,348
East North Central	1925	42,888	2,342,799	3,345,894	10,764,885	19,026,814	8,261,929	10,047,780
	1923	43,851	2,384,740	3,331,227	10,113,541	17,752,589	7,639,048	9,013,659
	1921	43,428	1,708,777	2,211,743	6,836,805	11,749,693	4,912,888	
	1919	61,332	2,396,618	2,992,931	10,621,687	17,737,480	7,115,793	7,702,551
	1914	59,896	1,680,281	1,072,538	3,795,039	6,542,261	2,747,222	5,391,978
West North Central	1925	16,280	452,820	552,702	3,216,616	4,724,411	1,507,795	1,855,278
	1923	16,522	468,128	562,329	2,816,178	4,256,381	1,440,203	1,699,653
	1921	17,248	383,307	474,812	2,351,243	3,468,256	1,117,013	
	1919	29,166	499,635	546,173	3,778,125	5,187,065	1,408,940	1,592,809
	1914	27,199	381,595	235,471	1,397,841	2,032,192	634,352	1,235,147
South Atlantic	1925	16,576	838,834	757,051	2,552,468	4,535,222	1,982,754	3,454,150
	1923	16,991	831,561	729,416	2,427,862	4,223,624	1,795,762	3,142,009
	1921	16,373	645,777	564,503	1,731,886	2,974,191	1,242,305	
	1919	29,976	817,212	778,027	2,596,265	4,455,152	1,858,887	2,791,088
	1914	28,925	685,252	293,063	1,003,068	1,682,999	679,931	2,266,238
East South Central	1925	8,080	355,995	322,675	1,042,478	1,808,702	766,224	1,615,183
	1923	7,473	346,778	310,012	978,268	1,689,889	711,621	1,460,522
	1921	7,217	258,871	225,013	638,540	1,085,795	447,255	
	1919	14,655	329,226	298,710	977,825	1,642,391	664,567	1,414,190
	1914	14,410	264,378	117,987	387,011	700,668	313,657	1,156,654
West South Central	1925	7,887	265,160	267,875	1,722,382	2,546,506	824,124	1,316,933
	1923	7,868	266,452	264,765	1,362,364	2,073,457	711,093	1,266,958
	1921	8,034	228,938	237,450	1,140,055	1,710,358	570,303	
	1919	13,909	285,244	293,022	1,547,994	2,277,861	729,868	1,179,896
	1914	12,417	211,940	116,129	526,907	802,538	275,631	964,470
Mountain	1925	3,849	100,374	134,583	688,350	1,046,318	357,968	757,974
	1923	3,952	103,593	143,174	606,858	952,670	345,812	714,485
	1921	4,000	81,825	118,388	394,435	614,356	219,921	
	1919	7,612	109,216	141,901	610,239	922,676	312,437	685,192
	1914	6,079	81,113	66,358	272,215	437,568	165,353	459,516
Pacific	1925	14,762	415,024	575,269	2,041,255	3,455,241	1,413,986	2,269,749
	1923	14,058	419,396	590,060	1,824,376	3,220,906	1,396,530	1,883,198
	1921	13,232	315,028	431,768	1,455,114	2,399,203	944,089	
	1919	19,567	435,179	581,269	1,868,242	3,157,610	1,289,368	1,752,036
	1914	16,206	235,515	178,247	647,342	1,067,889	420,548	1,093,002
New England:								
Maine	1925	1,500	73,849	79,777	205,709	371,849	166,140	600,787
	1923	1,636	83,317	91,845	216,917	402,441	185,524	570,404
	1921	1,756	75,697	83,418	191,971	339,395	147,424	
	1919	2,995	88,651	94,225	254,569	456,822	202,253	545,613
	1914	3,378	82,149	43,254	117,655	200,450	82,795	486,032

No. 759.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				In thousands of dollars				
New England—Contd.								
New Hampshire	1925	1,038	66,658	71,725	192,254	327,401	135,147	370,740
	1923	1,078	75,314	79,074	185,754	333,125	147,371	352,656
	1921	1,122	67,416	67,893	139,269	246,346	107,077	
	1919	1,499	83,074	79,326	239,528	407,205	167,677	348,892
	1914	1,736	78,993	40,642	114,993	182,844	67,851	340,605
Vermont	1925	951	27,563	32,326	74,387	138,270	63,883	178,806
	1923	1,021	30,783	34,695	80,776	149,952	69,176	177,212
	1921	1,101	25,767	28,068	63,688	113,904	50,216	
	1919	1,790	33,491	34,084	95,173	168,108	72,935	184,327
	1914	1,772	32,704	18,617	42,706	76,991	34,285	171,738
Massachusetts	1925	10,027	591,438	716,156	1,794,643	3,426,617	1,631,974	2,013,017
	1923	10,494	666,603	798,703	1,820,370	3,550,987	1,730,617	1,929,709
	1921	9,974	578,556	640,787	1,432,433	2,836,016	1,403,583	
	1919	11,906	713,836	766,623	2,260,713	4,011,182	1,750,468	1,716,982
	1914	12,013	606,698	341,310	931,384	1,641,373	709,989	1,380,912
Rhode Island	1925	1,595	120,346	138,126	345,221	621,920	276,699	395,754
	1923	1,691	134,667	152,500	358,581	675,425	316,844	391,928
	1921	1,759	112,745	119,414	277,693	517,118	239,425	
	1919	2,466	139,665	137,495	415,989	747,323	331,334	319,688
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884
Connecticut	1925	3,062	242,362	301,200	612,642	1,274,952	662,310	790,087
	1923	3,125	263,217	314,815	612,503	1,287,651	675,148	726,907
	1921	3,313	210,943	221,082	407,368	835,506	428,138	
	1919	4,872	292,672	324,682	685,937	1,392,432	706,494	664,316
	1914	4,104	226,264	125,220	288,511	545,472	256,961	452,665
Middle Atlantic:								
New York	1925	33,393	1,066,202	1,533,893	4,704,989	8,968,548	4,263,559	3,348,184
	1923	38,087	1,149,411	1,579,703	4,726,550	8,913,022	4,186,472	3,256,802
	1921	38,015	999,011	1,301,909	3,662,157	6,940,368	3,278,211	
	1919	49,330	1,228,130	1,458,207	4,943,214	8,867,005	3,923,791	2,926,963
	1914	48,203	1,057,857	631,042	2,108,607	3,814,661	1,706,054	2,321,817
New Jersey	1925	8,204	425,377	576,236	2,086,855	3,539,181	1,452,326	1,384,234
	1923	8,751	447,765	578,655	2,029,943	3,382,727	1,352,784	1,256,120
	1921	8,769	381,662	460,355	1,481,487	2,550,498	1,069,011	
	1919	11,057	508,686	600,658	2,270,473	3,672,065	1,401,592	1,140,554
	1914	9,742	373,605	211,136	883,465	1,406,633	523,168	783,706
Pennsylvania	1925	17,298	999,460	1,324,481	3,890,514	6,901,762	3,011,248	5,373,972
	1923	18,996	1,094,572	1,434,477	4,308,096	7,365,247	3,057,151	5,105,604
	1921	20,223	863,411	1,006,384	2,951,361	5,047,188	2,095,827	
	1919	27,973	1,135,837	1,406,066	4,210,409	7,315,703	3,105,294	4,445,095
	1914	27,521	924,478	527,953	1,688,921	2,832,349	1,143,428	3,535,825
East North Central:								
Ohio	1925	11,137	676,742	975,812	3,029,686	5,347,523	2,317,837	3,482,618
	1923	11,157	698,241	978,790	2,893,117	5,124,526	2,231,409	3,303,815
	1921	11,441	493,424	626,084	1,904,288	3,280,065	1,275,777	
	1919	16,125	730,733	944,652	2,911,948	5,100,309	2,188,361	2,885,007
	1914	15,658	510,435	317,924	1,020,782	1,782,808	762,026	1,985,950
Indiana	1925	4,772	280,854	365,003	1,257,961	2,125,023	867,062	1,420,989
	1923	4,889	290,976	374,306	1,187,609	2,028,292	840,683	1,371,282
	1921	5,085	206,336	251,251	823,897	1,374,446	550,549	
	1919	7,916	277,580	317,043	1,174,951	1,898,753	723,803	1,094,568
	1914	8,022	197,503	119,258	423,857	730,795	306,938	707,982
Illinois	1925	14,117	622,368	897,971	2,926,064	5,321,838	2,395,774	2,247,408
	1923	14,307	644,678	912,146	2,766,019	5,004,695	2,238,676	1,938,666
	1921	13,920	513,036	700,571	2,078,848	3,679,158	1,600,310	
	1919	18,593	653,114	801,087	3,488,270	5,425,245	1,936,974	1,654,947
	1914	18,388	506,943	340,910	1,340,183	2,247,323	907,140	1,294,421
Michigan	1925	5,600	515,494	792,225	2,466,426	4,373,186	1,906,760	1,887,750
	1923	5,681	503,217	768,978	2,268,735	3,879,430	1,610,695	1,470,894
	1921	5,703	304,365	419,845	1,304,454	2,204,476	900,022	
	1919	8,305	471,242	639,708	1,919,243	3,466,188	1,546,946	1,193,709
	1914	8,724	271,090	182,252	592,801	1,086,162	493,361	726,777

No. 759.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				In thousands of dollars				
East North Central—Continued.								
Wisconsin	1925	7,262	247,341	314,883	1,084,748	1,859,244	774,496	1,009,015
	1923	7,817	247,628	296,947	998,061	1,715,646	717,585	929,002
	1921	7,279	191,616	213,992	725,318	1,211,548	486,230	
	1919	10,393	263,949	290,441	1,127,275	1,846,984	719,709	874,320
	1914	9,104	194,310	112,193	417,415	695,172	277,757	676,848
West North Central:								
Minnesota	1925	3,888	100,614	123,767	770,724	1,101,856	331,132	508,021
	1923	3,890	103,740	125,335	642,942	956,270	313,328	459,299
	1921	4,075	85,514	106,974	579,974	843,805	263,831	
	1919	6,225	115,623	127,107	883,090	1,218,130	335,040	473,660
	1914	5,974	92,834	58,507	336,849	493,354	156,505	358,163
Iowa	1925	3,270	74,976	92,233	499,586	757,771	258,185	308,016
	1923	3,404	77,578	93,985	430,699	685,276	254,577	281,536
	1921	3,512	62,111	78,386	335,927	517,661	181,734	
	1919	5,683	80,551	90,117	520,241	745,473	225,232	242,820
	1914	5,614	63,113	39,860	205,451	310,750	105,299	189,800
Missouri	1925	5,114	194,959	230,691	980,459	1,607,161	626,702	590,485
	1923	5,253	195,822	227,024	924,572	1,521,561	596,989	549,769
	1921	5,404	155,548	182,001	712,500	1,140,455	427,955	
	1919	8,592	195,037	196,515	1,056,457	1,594,208	537,751	476,648
	1914	8,386	152,182	89,197	388,715	637,952	249,237	389,376
North Dakota	1925	320	3,261	4,575	32,307	44,632	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
	1921	388	3,107	4,669	26,265	36,358	10,093	
	1919	894	4,472	5,401	44,489	57,374	12,884	17,791
	1914	699	3,275	2,416	14,484	21,147	6,663	13,980
South Dakota	1925	504	5,151	6,208	46,942	63,433	16,491	21,463
	1923	489	5,146	6,211	33,673	47,321	13,648	16,458
	1921	571	4,628	6,342	26,737	41,394	14,657	
	1919	1,414	6,382	7,905	42,986	62,171	19,185	22,176
	1914	898	3,788	2,628	17,079	24,139	7,060	16,324
Nebraska	1925	1,306	27,200	36,021	348,397	443,308	94,911	133,708
	1923	1,370	31,095	39,635	309,872	409,756	99,884	120,542
	1921	1,381	27,530	37,287	242,425	328,348	85,923	
	1919	2,884	36,521	46,067	480,774	596,042	115,268	125,769
	1914	2,492	25,144	16,893	174,114	221,616	47,502	89,258
Kansas	1925	1,878	46,659	59,207	538,201	706,250	168,049	276,874
	1923	1,776	51,195	65,005	443,716	594,052	150,336	255,319
	1921	1,917	44,869	59,154	427,415	560,235	132,820	
	1919	3,474	61,049	73,060	750,088	913,667	163,579	233,945
	1914	3,136	41,259	25,970	261,148	323,234	62,086	178,246
South Atlantic:								
Delaware	1925	419	20,704	25,072	70,623	125,406	54,783	107,391
	1923	453	23,116	27,369	70,786	128,951	58,215	112,485
	1921	460	17,754	19,596	50,118	86,756	36,638	
	1919	668	29,035	37,265	85,433	165,073	79,640	85,105
	1914	808	22,155	11,382	31,649	56,035	24,386	64,324
Maryland	1925	3,184	125,787	138,591	568,591	926,252	357,661	544,558
	1923	3,152	128,634	136,089	564,610	897,469	332,859	497,212
	1921	3,112	106,891	110,287	383,238	632,645	249,407	
	1919	4,937	140,342	147,867	549,347	873,945	324,597	406,637
	1914	4,797	111,585	53,792	238,972	377,749	138,777	262,199
District of Columbia	1925	538	9,753	15,320	33,504	83,577	50,073	37,508
	1923	593	9,780	14,745	31,795	71,700	39,905	31,707
	1921	484	8,614	12,906	29,536	66,663	37,127	
	1919	595	10,482	13,189	30,940	68,827	37,886	33,069
	1914	514	8,877	6,069	12,239	28,978	16,739	24,745
Virginia	1925	2,553	112,135	105,887	314,711	589,511	274,800	441,807
	1923	2,731	111,474	104,593	302,055	544,723	242,668	430,585
	1921	2,559	88,471	84,978	267,316	451,874	184,558	
	1919	5,603	119,352	120,006	371,541	643,512	271,971	419,738
	1914	5,508	102,820	44,873	155,320	264,039	108,719	337,567

No. 759.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				In thousands of dollars				
South Atlantic—Contd.								
West Virginia	1925	1,395	80,700	105,892	260,881	470,821	209,940	431,981
	1923	1,483	85,641	109,921	258,743	478,957	220,214	371,616
	1921	1,545	60,514	78,531	170,516	309,984	139,468	
	1919	2,785	83,036	101,840	270,941	471,971	201,030	328,455
	1914	2,749	71,078	43,784	110,033	193,512	83,479	278,219
North Carolina	1925	2,614	182,234	134,237	550,707	1,050,434	499,727	800,051
	1923	2,670	173,687	127,538	516,149	951,911	435,762	702,832
	1921	2,602	135,833	94,235	379,965	665,118	285,153	
	1919	5,999	157,659	126,680	526,906	943,808	416,902	549,808
	1914	5,507	136,844	46,038	169,942	289,412	119,470	506,352
South Carolina	1925	1,134	100,144	67,062	240,304	373,360	133,056	423,359
	1923	1,180	96,802	64,753	221,240	360,446	139,306	407,735
	1921	1,104	76,241	51,403	141,732	236,212	94,480	
	1919	2,004	79,450	62,565	227,986	381,453	153,467	395,466
	1914	1,885	71,824	24,173	91,009	138,891	47,882	335,710
Georgia	1925	2,876	141,173	99,210	399,351	648,852	249,501	523,334
	1923	3,050	137,452	92,129	381,468	604,058	222,590	449,777
	1921	2,801	98,235	69,893	243,041	380,913	137,272	
	1919	4,803	123,441	101,180	440,490	693,237	252,747	433,719
	1914	4,639	104,461	38,128	160,089	253,271	93,182	357,130
Florida	1925	1,863	66,204	65,780	113,796	267,009	153,213	144,161
	1923	1,679	64,975	52,279	81,066	185,409	104,343	138,060
	1921	1,706	53,224	42,674	65,824	144,026	78,202	
	1919	2,582	74,415	67,433	92,680	213,327	120,647	139,091
	1914	2,518	55,608	24,822	33,816	81,112	47,296	99,992
East South Central:								
Kentucky	1925	1,864	76,580	84,946	255,108	453,937	198,829	257,965
	1923	1,961	76,619	82,551	240,849	424,812	183,963	251,190
	1921	2,024	58,729	62,550	172,421	300,925	128,504	
	1919	3,957	69,340	67,034	235,716	395,660	159,945	246,399
	1914	4,184	64,586	31,830	114,829	230,249	115,420	237,302
Tennessee	1925	2,162	107,645	95,255	358,097	601,488	243,391	447,529
	1923	2,296	106,270	92,294	327,208	546,499	219,291	390,967
	1921	2,238	75,263	65,602	222,540	369,451	146,911	
	1919	4,589	95,167	81,355	344,766	556,253	211,486	338,732
	1914	4,775	74,373	33,083	123,430	212,071	88,641	286,844
Alabama	1925	2,349	116,599	101,243	325,684	552,824	227,140	697,998
	1923	1,987	109,565	95,168	322,706	540,507	217,801	640,738
	1921	1,846	82,690	66,705	185,667	301,803	116,136	
	1919	3,654	107,159	99,066	300,664	492,731	192,067	628,287
	1914	3,242	78,717	33,897	107,411	178,798	71,386	445,604
Mississippi	1925	1,705	55,171	41,231	103,589	200,453	96,864	211,691
	1923	1,229	54,324	39,999	87,505	178,071	90,566	177,627
	1921	1,109	42,189	30,156	57,912	113,616	55,704	
	1919	2,455	57,560	51,256	96,678	197,747	101,069	200,772
	1914	2,209	46,702	19,177	41,340	79,550	38,210	186,404
West South Central:								
Arkansas	1925	1,257	43,977	37,538	110,665	195,208	84,543	177,011
	1923	1,227	44,520	37,748	89,737	171,288	81,551	164,989
	1921	1,283	33,395	27,771	63,557	117,638	54,081	
	1919	3,123	49,954	47,186	102,813	200,313	97,500	212,219
	1914	2,604	41,979	20,752	44,907	83,941	39,034	177,106
Louisiana	1925	1,742	88,058	79,763	465,426	710,050	244,624	410,298
	1923	1,762	94,508	82,871	403,974	619,822	215,848	402,234
	1921	1,830	84,863	76,486	308,518	474,427	165,909	
	1919	2,617	98,265	94,406	431,404	676,190	244,786	387,233
	1914	2,211	77,665	39,544	157,886	255,313	97,427	354,765
Oklahoma	1925	1,282	26,333	34,211	301,147	403,295	102,148	156,826
	1923	1,231	25,358	32,946	228,342	312,790	84,448	152,411
	1921	1,391	22,153	29,441	202,338	281,816	79,478	
	1919	2,445	29,503	35,026	312,606	401,363	88,757	139,550
	1914	2,518	17,443	11,011	70,970	102,006	31,036	97,103

No. 759.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Primary horsepower
				In thousands of dollars				
West South Central—Continued.								
Texas	1925	3,606	106,792	116,363	845,144	1,237,953	392,809	572,798
	1923	3,648	102,066	111,200	640,311	969,557	329,246	547,324
	1921	3,530	88,527	103,752	565,642	836,477	270,835	
	1919	5,724	107,522	116,404	701,171	999,996	298,825	440,894
	1914	5,084	74,853	44,821	253,144	361,279	108,135	335,496
Mountain:								
Montana	1925	606	14,777	21,078	146,351	205,474	59,123	166,528
	1923	679	15,943	24,540	128,702	174,874	46,172	190,516
	1921	571	11,384	16,791	49,166	80,771	31,605	
	1919	1,290	17,160	24,743	122,152	166,665	44,513	153,489
	1914	939	13,704	13,001	46,744	84,446	37,702	91,671
Idaho	1925	490	15,794	20,709	53,152	96,990	43,838	82,552
	1923	510	16,347	22,886	43,134	87,429	44,295	72,146
	1921	485	10,783	15,183	36,058	57,068	21,010	
	1919	922	13,917	18,548	43,949	80,511	36,562	73,840
	1914	698	8,919	7,491	14,892	28,454	13,562	50,297
Wyoming	1925	224	6,333	10,526	76,073	107,985	31,912	28,721
	1923	246	7,510	12,502	69,695	110,632	40,937	23,959
	1921	254	7,254	13,890	48,320	80,247	31,927	
	1919	576	6,634	11,189	42,251	81,445	39,195	17,864
	1914	337	2,989	2,312	5,559	11,223	5,664	10,004
Colorado	1925	1,416	31,967	43,008	171,192	278,778	107,586	219,865
	1923	1,365	31,060	40,470	148,208	252,737	104,529	175,900
	1921	1,479	27,469	38,444	145,748	219,226	73,478	
	1919	2,631	35,254	42,975	174,870	275,622	100,752	206,110
	1914	2,126	27,278	20,200	89,756	136,839	47,083	162,701
New Mexico	1925	200	4,629	5,083	9,684	19,458	9,774	18,842
	1923	186	5,459	6,484	9,954	20,422	10,468	16,803
	1921	194	4,477	4,880	6,159	13,897	7,738	
	1919	387	5,736	6,658	7,727	17,857	10,129	17,260
	1914	368	3,776	2,695	4,430	9,320	4,890	12,468
Arizona	1925	294	9,127	11,506	92,271	138,782	46,511	102,127
	1923	283	9,008	12,635	80,993	123,377	42,384	128,531
	1921	269	4,774	6,810	26,495	39,110	12,615	
	1919	480	8,528	12,015	92,645	120,769	28,124	103,958
	1914	322	6,898	6,229	39,283	64,090	24,807	54,095
Utah	1925	517	15,077	18,199	127,543	177,225	49,682	124,735
	1923	579	14,901	18,309	113,785	160,957	47,172	78,587
	1921	641	13,291	18,370	74,593	110,666	36,073	
	1919	1,160	18,868	21,455	110,154	156,933	46,779	92,797
	1914	1,109	13,894	10,852	62,233	87,112	24,879	59,536
Nevada	1925	102	2,670	4,474	12,084	21,626	9,542	14,604
	1923	104	3,365	5,348	12,387	22,242	9,855	27,983
	1921	107	2,393	4,020	7,896	13,371	5,475	
	1919	166	3,119	4,318	16,491	22,874	6,384	19,874
	1914	180	3,655	3,578	9,317	16,083	6,766	18,744
Pacific:								
Washington	1925	3,216	105,893	146,225	372,759	659,340	286,581	748,110
	1923	3,008	111,467	156,227	369,178	674,411	305,233	592,862
	1921	2,888	77,388	99,014	257,641	445,375	187,734	
	1919	4,918	132,928	194,968	443,178	809,623	366,445	683,073
	1914	3,829	67,205	51,703	136,609	245,326	108,717	389,344
Oregon	1925	1,908	59,579	78,209	193,609	352,949	159,340	387,749
	1923	1,902	62,513	81,640	193,363	360,256	166,893	321,642
	1921	1,723	40,032	49,264	121,532	220,739	99,207	
	1919	2,707	58,559	81,094	206,206	366,783	160,577	303,795
	1914	2,320	28,829	20,932	63,258	109,762	46,504	214,165
California	1925	9,638	249,552	350,835	1,474,887	2,442,952	968,065	1,133,890
	1923	9,148	245,416	352,193	1,261,835	2,186,239	924,404	968,694
	1921	8,621	197,608	283,490	1,075,941	1,733,089	657,148	
	1919	11,942	243,692	305,207	1,218,859	1,981,205	762,346	765,168
	1914	10,057	139,481	105,613	447,475	712,801	265,326	489,493

Source: Bureau of the Census, Department of Commerce.

No. 760.—INDEXES OF QUANTITATIVE VOLUME OF PRODUCTION OF MANUFACTURING AND MINING INDUSTRY

[NOTE.—Based on the monthly average for 1923–1925 as 100. The manufacturing index here given is adjusted according to the varying length of the month in working days. The mineral index is unadjusted. The former covers 75 commodities and the latter 9]

Month	Manufacturing (adjusted)							Minerals						
	1921	1922	1923	1924	1925	1926	1927	1921	1922	1923	1924	1925	1926	1927
January	71	71	94	94	97	102	98	78	72	99	102	103	91	112
February	70	77	101	102	104	109	100	68	75	87	96	88	85	104
March	71	78	105	103	108	111	112	71	91	100	95	91	101	115
April	72	84	110	100	108	111	112	67	46	95	83	91	95	97
May	74	85	107	91	106	109	114	74	54	110	95	105	103	108
June	79	91	107	90	104	109	112	75	61	112	94	104	109	108
July	73	90	101	84	103	104	103	71	60	114	97	109	112	103
August	73	87	98	89	99	111	106	76	66	119	97	114	117	115
September	75	88	101	94	104	111	106	73	86	103	102	96	117	110
October	76	96	102	97	109	111	105	81	98	117	108	102	125	114
November	75	97	98	96	107	104	99	71	94	105	94	94	120	103
December	69	96	96	94	102	98	93	66	92	93	96	91	115	99

Source: Survey of Current Business, Department of Commerce.

No. 761.—MANUFACTURING PRODUCTION: INDEXES OF QUANTITATIVE VOLUME, FOR GROUPS OF INDUSTRIES

[NOTE.—Based on the monthly average for 1923–1925 as 100. These indexes cover the 75 commodities totaled in Table 760. They are not adjusted for length of month or seasonal variations]

Year and month	Food-stuffs	Tex-tiles	Iron and steel	Lum-ber	Leath-er	Paper and print-ing	Chem-icals and oils	Stone, clay, and glass prod-ucts	Met-als, non-fer-rous	To-bacco	Rub-ber prod-ucts	Vehi-cles	Mis-cel-lane-ous
1921	84	90	47	64	95	72	63	66	38	85	55	68	68
1922	92	101	80	87	101	88	75	77	66	89	79	90	90
1923	100	106	105	98	109	95	93	96	93	96	87	97	97
1924	101	92	90	95	94	99	95	96	100	99	98	95	95
1925	100	102	105	107	97	105	112	109	107	105	115	108	108
1926	104	101	109	103	97	112	123	109	112	112	112	106	116
1927	104	108	101	96	103	114	125	111	110	116	116	90	115
1926													
January	96	104	113	96	88	109	125	80	111	101	109	85	90
February	85	103	104	101	91	104	115	84	106	96	104	103	103
March	97	113	124	112	106	117	121	99	112	116	117	133	125
April	96	103	114	108	96	116	115	105	115	105	116	130	124
May	109	94	111	107	85	117	115	126	115	108	117	121	124
June	121	95	105	107	95	108	112	126	105	123	108	119	124
July	126	87	104	103	91	101	115	118	104	117	101	107	111
August	133	93	113	104	104	105	116	120	107	120	105	124	116
September	105	103	108	106	110	114	126	119	109	121	114	110	132
October	98	106	111	104	111	124	138	122	118	124	124	96	138
November	89	106	105	96	96	119	137	118	123	115	119	78	110
December	90	107	98	90	95	115	137	91	119	95	115	64	103
1927													
January	90	106	103	87	92	113	134	73	121	105	106	62	82
February	83	106	103	90	99	105	120	63	109	97	108	88	95
March	97	123	125	97	111	119	130	107	114	116	134	123	118
April	96	109	115	92	104	121	120	115	111	110	136	127	131
May	112	110	114	101	94	119	118	128	112	120	133	126	120
June	124	112	100	103	103	111	114	127	107	124	133	113	120
July	133	99	89	96	100	103	117	125	103	118	110	85	101
August	123	110	100	107	122	107	120	132	107	131	123	95	113
September	104	110	91	103	118	113	127	127	102	130	106	86	127
October	101	110	92	99	113	120	138	131	112	129	105	66	129
November	92	109	88	94	95	118	133	115	109	122	99	51	124
December	92	99	86	85	89	116	130	96	115	94	99	54	116

Source: Survey of Current Business, Department of Commerce.

No. 762.—TEXTILE MANUFACTURES: PRODUCTION

[NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of material. The products listed under each branch of the textile industry represent only the output of concerns classified as engaged primarily in that branch. Certain quantities, usually small, of some of the products are also made in establishments classed under other branches. In 1925, these amounts were as follows: Cotton goods, $5,401,533 (not including cordage and twine mills): cotton-lace goods, $312,820; other knit goods, $2,265,816; silk goods, $4,729,234; woolen and worsted goods, $9,595,481; felt goods, $803,328; wool-felt hats, $472,093; carpets and rugs, $150,572; cordage and twine and jute and linen goods, $10,956,594; fur-felt hats, $526,613; oilcloth, linoleum, and asphalted-felt-base floor coverings, $1,582,984: artificial leather, $885,312.]

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1923	1925	1914	1923	1925
COTTON-GOODS INDUSTRIES							
All products, total value					688,094	1,974,349	1,789,043
Sheetings	Sq. yards	2,665,627	1,695,520	1,638,169	133,332	208,338	180,357
Print cloth	do		1,578,196	1,166,374		144,054	98,453
Voiles	do		134,709	124,479		19,189	14,438
Lawns, nainsooks, cambrics, and similar muslins	do	1,153,242	367,209	326,087	60,218	57,277	43,323
Tobacco, cheese, butter, bunting, and bandage cloths	do		402,312	451,633		20,110	16,269
Ginghams	do	489,661	571,665	356,476	36,706	99,698	57,591
Shirtings	do	185,326	341,225	455,397	15,948	72,335	75,757
Drills	do	289,970	303,421	286,115	21,257	46,762	42,389
Twills and sateens	do	392,109	489,380	532,831	32,892	91,589	84,133
Ticks and denims	do	229,330	279,140	228,854	24,948	72,402	56,397
Osnaburgs	do	(1)	109,101	118,069	(1)	19,539	18,449
Cotton flannel (canton flannel, flannelettes, and blanketings)	do	263,862	381,397	340,416	24,352	69,635	53,607
Tire duck	do	251,368	68,259	40,762	49,179	42,324	16,629
Ducks (except tire)	do		167,084	193,384		57,163	53,827
Tire fabrics (except tire duck)	do	(1)	158,296	201,365	(1)	63,756	88,997
Tapestries	do	10,138	20,684	15,737	5,412	20,899	17,390
Pile fabrics:							
Plushes, velvets, velveteens, etc.	do	29,129	27,711	33,478	8,540	35,621	40,679
Corduroys	do		27,389	21,593		12,043	9,553
Turkish towels and toweling	do		47,446	50,663		16,125	18,253
Towels, etc. (except pile fabrics)	do	75,799	75,200	75,903	[2] 9,805	20,568	19,897
Cotton table damask	do	(1)	40,905	53,468	(1)	10,852	12,450
Blankets	do	(1)	88,060	92,077	(1)	24,713	29,548
Bedspreads and quilts (crochet, marseilles, and satin)	do	(1)	35,691	52,637	(1)	13,552	16,703
Bags and bagging	do	129,357	161,917	107,724	9,706	19,218	12,665
Small wares					[3] 4,927	73,775	67,127
Yarns for sale	Pound	497,987	620,897	628,170	127,364	348,759	313,907
Thread	do	26,507	31,646	37,585	22,917	55,311	59,876
Batting, wadding, and mattress felts	do	(1)	100,570	90,681	(1)	16,646	14,134
Cotton waste for sale	do	317,360	379,480	419,604	14,422	37,359	40,824
All other products					86,169	184,737	215,421
COTTON-LACE INDUSTRY							
All products, total value					13,207	35,792	30,843
Nottingham lace curtains	Pairs	5,591	6,038	4,560	4,679	12,944	10,277
Nottingham lace curtain nets	Lin. yard	7,505	30,278	28,612	1,258	10,312	8,823
Levers laces	Sq. yard	7,237	10,524	8,982	3,681	8,029	6,548
All other products					3,589	4,507	5,195
KNIT GOODS							
All products, total value					258,913	848,177	809,960
Hose	Doz. pair	44,186	59,615	59,597	63,145	278,887	302,219
Half hose	do	30,978	37,818	40,180	34,954	99,846	101,646

[1] Not reported separately.
[2] Includes "All other terry weaves."
[3] Not strictly comparable with 1923 and 1925 because of changes in classification of certain products.

No. 762.—Textile Manufactures: Production—Continued

Industry and product	Unit	Quantity (thousands of unit specified) 1914	1923	1925	Value (thousands of dollars) 1914	1923	1925
KNIT GOODS—continued							
Sueded cotton gloves	Doz. pair	2,470	95	70	10,520	880	744
Gloves and mittens (except sueded)	do		1,999	1,231		15,888	8,340
Shirts and drawers	Dozen	21,759	12,747	11,262	57,523	61,683	60,845
Union suits	do	6 273	10,746	11,500	35,596	99,219	99,215
Bathing suits	do	274	972	695	2,034	17,554	16,322
Scarfs and shawls	do	63	980	492	714	10,356	4,661
Headwear	do	987	843	805	3,456	4,813	4,511
Neckties	do	(4)	3,324	2,705	(4)	12,317	8,961
Jersey cloth and tricollette	Sq. yard	10,594	38,703	42,172	4,379	43,367	36,451
Stockinette	do		(5)			2,836	2,168
Glove and shoe linings	do	6,222	(5)		670	5,836	4,632
Towels and towelings	do	(1)	1,055	976	(1)	735	701
Cotton yarns for sale	Pound	17,053	14,735	8,098	3,990	6,946	3,639
Cotton waste for sale	do	12,999	18,216	12,309	629	1,899	1,321
All other products					41,303	185,025	153,584
SILK GOODS							
All products, total value					**254,011**	**761,322**	**898,979**
Broad silk:							
All silk	Sq. yard	6142,713	271,820	384,725	96,690	332,843	426,060
Silk mixed	do	6 73,320	104,402	98,391	41,030	123,240	103,121
Velvets	do	6 16,318	9,109	6,078	8,570	23,880	14,525
Plushes	do	6 9,115	7,117	925	10,136	17,217	2,352
Upholstery and tapestry	do	6 478	3,799	2,675	840	10,636	5,037
Organzine, tram, and crêpe twist for sale	Pound	4,070	8,433	10,863	16,024	67,417	71,639
Spun silk for sale	do	1,607	3,486	3,489	4,577	14,729	15,203
Machine twist	do	660	1,100	860	4,037	11,410	8,971
Sewing, embroidery, and other floss silks	do	902	652	764	5,645	6,780	6,020
Ribbons					38,201	52,122	52,061
Laces, embroideries, nets, veils, veilings, etc.					7 1,329	2,893	1,326
Fringes and gimps					1,025	10,278	6,794
Braids and binding					3,073	17,556	14,513
All other products					22,834	70,321	81,417
WOOLEN AND WORSTED GOODS							
All products, total value					**379,484**	**1,062,558**	**957,790**
Suitings, dress goods, overcoatings, and cloakings, total	Sq. yard	455,044	512,139	460,922	238,310	657,233	566,302
All-wool woolen	do	90,950	172,028	153,323	55,660	231,211	198,964
All-wool worsted	do	222,421	210,988	179,163	141,778	333,959	275,617
Wool and cotton mixed	do	31,400	24,732	26,124	11,711	26,261	25,943
Cotton-warp woolen	do	53,510	63,203	60,933	13,598	37,002	40,029
Cotton-warp worsted	do	56,763	41,188	41,379	15,563	28,800	25,749
Flannels for underwear (all wool)	do	2,176	2,843	672	880	2,120	299
Flannels for underwear (cotton mixed)	do	4,996	3,777	999	1,090	1,636	649
Domett flannels and shirtings	do	16,092	6,155	7,206	2,814	2,595	3,440
Satinets and linseys	do	8,415	6,107	11,877	1,535	2,278	4,244
Blankets, all-wool	do	6,490	11,872	11,084	4,187	9,321	10,989
Horse blankets	do	8,165	2,475	1,410	2,018	1,339	787
Yarns for sale	Pound	132,560	179,455	151,000	85,872	252,242	210,692
Noils and wool waste for sale	do	50,395	55,110	42,591	10,140	19,297	17,887
All other products					32,638	114,497	142,502
FELT GOODS							
All products, total value					**13,693**	**42,037**	**43,776**
Felt cloths	Pound		6,404	6,391	797	13,577	15,821
Trimming and lining felts, skirts and skirtings	do		3,318	2,690	1,321	2,421	2,088
Boot and shoe linings	do		1,581	1,163	1,513	1,336	957
Hair felting	do		27,946	31,058	635	4,025	5,209
All other felts					8,829	17,530	16,516
All other products					598	2,148	3,185

[1] Not reported separately. [4] Included in "All other products." [5] No comparable data.
[6] Linear yards. Comparable figures in square yards not available.
[7] Exclusive of embroideries, which are included in "All other products."

No. 762.—Textile Manufactures: Production—Continued

Industry and product	Unit	Quantity (thousands of unit specified) 1914	1923	1925	Value (thousands of dollars) 1914	1923	1925
HATS, WOOL-FELT							
All products, total value					1,944	8,643	8,949
Hats	Dozen	381	454	434	1,777	7,182	6,764
Hat bodies and hats in the rough.	do	6	59	124	13	479	924
All other products					154	982	1,261
CARPETS AND RUGS							
All products, total value					69,128	199,481	188,903
Carpets	Sq. yard	17,311	21,723	21,859	15,187	51,525	49,024
Rugs, made of sewed strips	do	20,855	17,943	14,264	25,946	65,105	53,628
Rugs, woven whole	do	28,174	43,576	35,977	23,551	75,528	80,357
All other products					4,444	7,323	5,894
WOOL SHODDY							
All products, total value					7,707	16,689	21,022
Recovered wool fiber	Pound	43,156	55,051	67,543	5,977	13,679	19,057
All other products					1,730	3,019	1,965
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
All products, total value					83,235	125,095	139,123
Rope, cable, and cordage:							
Manila hemp	Pound	104,909	92,266	101,006	12,860	14,926	21,791
Sisal	do	39,899	59,829	43,094	2,991	8,168	6,469
Hennequin	do	13,534	6,259	5,223	1,042	836	778
Cotton	do	13,244	15,801	20,316	2,540	6,425	7,317
All other	do	26,815	34,764	58,033	2,097	5,646	9,661
Twine, binder	do	302,287	239,800	235,605	24,095	23,491	29,567
Twine, cotton	do	17,927	20,145	28,643	3,472	8,542	10,816
Twine, other	do	87,322	99,916	54,647	10,525	18,276	10,682
Yarns for sale	do	75,875	99,134	97,025	8,320	19,213	19,387
Linen thread	do	5,708	4,064	2,815	3,409	5,723	4,614
Linen woven goods	Sq. yard	10,800	6,544	7,847	1,766	2,812	2,934
Jute bagging	do	131,828	35,252	40,871	6,441	2,610	4,483
All other products					3,677	8,427	10,624
HATS, FUR-FELT							
All products, total value					37,350	75,253	80,066
Hats	Dozen	2,119	1,970	1,733	33,604	62,423	62,224
Hat bodies and hats in the rough.	do	329	813	953	2,373	10,171	14,401
All other products					1,373	2,659	3,441
FLOOR COVERING AND ARTIFICIAL LEATHER [8]							
All products, total value						129,084	136,307
Oilcloth (cotton back)	Sq. yard		81,027	81,020		18,714	18,822
Linoleum (jute back)	do		53,060	52,830		44,589	44,513
Floor covering (felt back) [9]	do		71,076	77,889		30,240	30,029
Artificial leather [9]	do		56,705	68,580		29,798	35,790
All other products						5,743	7,153

[8] Comparable figures for 1914 not available.
[9] "Artificial leather" and "Asphalted felt-base floor covering" were given separate classifications for the first time at the census of 1923.

Source: Bureau of the Census, Department of Commerce.

No. 763.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

[NOTE.—For value of products of the tanning industry see Table 757, p. 763]

Kind	1914	1922	1923	1924	1925	1926	1927
Sole leather, cattle...1,000 backs, bends, and sides	18,098	17,735	18,732	14,640	14,879	13,615	15,829
Belting leather...1,000 butts and butt bends	974	1,014	1,471	1,231	809	809	929
Harness leather...1,000 sides	2,944	1,377	1,555	1,269	1,288	1,169	1,016
Bag case and strap leather...do	1,005	1,249	1,200	1,056	1,175	1,183	1,105
Upholstery leather:[1]							
Whole-hide grains...1,000 hides	654	493	490	466	463	405	354
Machine buffed...do	[2]	224	253	183	163	196	148
Whole hide splits...1,000 pieces	1,105	1,182	1,230	917	832	807	938
Upper leather (other than patent):[1]							
Cattle (including kip side)...1,000 sides	8,258	16,432	18,571	14,329	15,338	15,476	13,459
Calf and kip...1,000 skins	15,869	15,435	18,004	15,981	13,621	14,943	16,150
Goat and kid...do	29,875	47,880	46,537	34,641	40,887	48,415	49,417
Cabretta...do	[2]	2,232	2,696	2,380	2,412	2,344	1,551
Sheep and lamb...do	16,795	17,895	19,271	18,148	14,124	13,973	14,849
Patent leather (other than upholstery):[1]							
Cattle (including kip side)...1,000 sides	1,791	6,472	5,656	8,854	8,628	7,459	8,388
Horse and colt...1,000 half fronts	1,259	932	1,080	802	684	610	426
Goat and kid...1,000 skins	3,615	742	446	865	991	504	430
Glove leather:[1]							
Horse, colt, ass, and mule—							
Half fronts...thousands	614	688	930	1,000	1,146	1,009	1,459
Shanks...do	-------	770	1,619	1,165	1,011	1,143	1,154
Cabretta...1,000 skins	[2]	625	1,428	1,197	1,678	2,071	1,820
Sheep and lamb...do	3,912	6,776	7,789	5,561	5,326	5,297	7,576
Fancy and bookbinders' leather:[1]							
Sheep and lamb...1,000 skins	[3] 6,051	2,854	2,987	2,847	1,984	2,369	2,825
Splits (other than upholstery)...1,000 pieces	[2]	[2]	19,545	16,055	19,700	20,492	20,489

[1] Figures shown for principal kinds only.
[2] Not available.
[3] Reported as "fancy" only.

Source: Bureau of the Census, Department of Commerce.

No. 764.—BOOTS AND SHOES: PRODUCTION

[NOTE.—Detailed value data were not collected at the censuses. For total value of products of the industry see Table 757, p. 763. Data for 1922 to 1927 compiled from monthly reports of manufacturers]

[In thousands of pairs]

Year	Total	Men's	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather)	Canvas and other textile	Not specified (including slippers)
1914	292,666	98,031	22,896	80,916	48,322	15,477	[1]	[1]	27,024
1919	331,225	95,017	26,504	104,813	48,538	16,669	586	11,056	28,042
1921	286,771	69,458	18,462	101,474	35,066	17,379	5,547	8,602	30,784
1922	323,876	89,984	21,632	105,368	39,444	23,939	8,448	6,739	28,323
1923	351,114	100,283	22,239	109,676	40,136	27,015	6,434	8,347	36,984
1924	313,230	84,663	20,274	104,135	35,694	23,823	5,853	6,260	32,529
1925	323,553	86,546	21,021	104,782	38,691	24,587	5,914	8,564	33,448
1926	324,514	86,644	21,111	110,447	38,577	24,041	5,318	4,790	33,586
1927	343,606	95,328	24,229	116,259	39,650	24,542	[2] 2,478	3,301	37,819

[1] Not reported separately; included with "not specified, etc."
[2] Excludes certain kinds of heavy footwear formerly classified as "athletic" but properly included with men's.

Source: Bureau of the Census, Department of Commerce.

No. 765.—RUBBER MANUFACTURING INDUSTRY: PRODUCTS

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1923	1925	1914	1923	1925
All products, total value					300,994	958,518	1,255,414
Tires and inner tubes:							
Pneumatic—							
Automobile and truck	Number	15,929	102,655	136,172	125,780	533,090	774,727
Motor cycle and bicycle	do	3,728	4,311	2,512	6,906	5,689	3,961
Solid—							
Truck	do	(1)	944	1,035	(2)	29,061	43,870
All other	do	(1)			13,736	1,291	1,991
Boots, rubber	Pair	4,024	9,098	4,739	12,648	23,573	16,028
Shoes and overshoes, rubber	do	57,212	60,103	52,339	37,858	83,031	80,077
Shoes, canvas, with rubber soles	do	(1)	26,114	25,000	(1)	28,382	23,818
Heels, sold as such or on hand	do	(1)	289,222	342,196	(1)	23,691	26,092
Soles, including composition or fiber	do	(1)	13,509	36,064	(1)	4,908	10,384
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	(1)	33,039	25,232	(1)	14,189	13,873
All other	do	(1)	18,101	25,840	(1)	6,570	7,760
Belting					7,989	24,267	23,481
Hose					16,854	34,012	35,644
Packing					3,508	5,628	4,444
Clothing					6,799	13,147	7,748
Druggists' and stationers' sundries					7,512	19,864	18,462
Hard-rubber goods					(1)	25,134	29,111
All other manufactures of rubber					41,384	69,123	108,564
Reclaimed rubber	Pound	(1)	131,732	243,852	11,135	11,714	23,021
All other products					8,885	2,154	2,358

[1] Not reported for 1914.
[2] Included in "All other solid."

Source: Bureau of the Census, Department of Commerce.

No. 766.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1914	1919	1921	1923	1925
	Value (thousands of dollars)				
Total	810,508	1,536,408	1,827,809	2,021,356	2,269,638
Newspapers and periodicals, printed and published or published only	419,210	806,306	1,005,270	1,154,786	1,321,611
Subscriptions and sales	163,577	278,007	328,283	360,893	398,338
Advertising	255,633	528,299	676,987	793,893	923,273
Newspapers	283,589	566,322	734,321	803,497	892,094
Periodicals, other than newspapers	135,621	239,984	270,949	351,289	429,517
Newspapers and periodicals, printed for publication by others	8,577	22,913	35,301	36,893	56,488
Books and pamphlets	87,637	165,561	166,663	178,474	201,708
Sheet music and books of music	7,626	16,277	14,293	14,163	14,133
Job printing, general, electrotyping, engraving, and lithographing	278,401	508,213	566,648	623,047	669,937
Blank books	4,153	6,954	7,564		
All other products	4,904	10,184	32,070	13,993	5,761

Newspapers and periodicals	Aggregate circulation per issue				
Daily	28,777,454	33,028,630	32,341,678	35,733,107	38,039,682
Sunday	16,479,943	19,368,913	20,853,355	24,511,693	25,630,056
Triweekly	549,495	492,286	523,872	431,504	400,730
Semiweekly	2,483,629	2,020,165	1,540,206	2,024,683	1,934,095
Weekly	50,336,963	51,902,121	43,521,178	47,860,508	50,815,443
Monthly	79,190,838	91,681,807	83,459,144	91,654,028	111,875,957
Quarterly	18,853,901	18,920,544	21,745,216	22,197,918	22,840,186
All other classes	8,922,684	5,067,517	6,962,012	7,629,173	8,450,308

Source: Bureau of the Census, Department of Commerce.

No. 767.—CHEMICALS: PRODUCTS MADE FOR SALE

[NOTE.—The table includes products made in all industries, sometimes as by-products. In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals]

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1923	1925	1914	1923	1925
Total value					200,196	708,372	[1] 637,846
Acids:							
Acetic	Pound	70,618	57,652	65,592	1,272	4,155	4,438
Arsenic and arsenious	do	[2]	29,394	22,877	[2]	2,608	781
Boric (boracic)	do	8,584	17,278	15,605	589	1,736	1,202
Carbonic	do	50,446	51,096	59,721	2,321	4,992	5,128
Citric	do	2,658	5,689	7,598	1,516	2,829	3,470
Hydrochloric (muriatic)	Ton	85	156	155	1,349	3,102	2,976
Mixed (sulphuric-nitric)	do	43	78	61	2,204	5,503	3,767
Nitric	do	15	22	27	1,592	2,741	3,560
Oleic	Pound	21,933	48,786	65,036	1,301	4,354	6,958
Phosphoric	do	12,420	12,829	21,330	680	955	1,489
Stearic	do	14,351	22,478	19,761	1,243	2,753	2,470
Sulphuric (basis 50° B)	Ton	2,338	4,345	4,700	15,395	38,274	38,230
Sulphuric reclaimed (50° B for 1923)	do	136	170	210	519	1,479	1,479
Other acids					2,856	6,546	7,333
Alums	Ton	157	249	307	3,468	7,445	8,735
Aluminous abrasives	do	[2]	20	16	[2]	2,126	1,789
Other aluminum compounds					[2]	1,496	1,057
Bleaching compounds:							
Chlorine	Pound	12,217	76,118	104,960	473	2,778	4,236
Hypochlorites (calcium, sodium)	Ton	155	158	131	2,916	5,951	5,842
Peroxide bleaches	Pound	32,595	32,422	34,696	1,303	3,365	3,341
Sulphur bleaches					610	4,635	4,109
Coal-tar products:							
Crudes					8,065	38,297	25,403
Intermediates						23,280	25,324
Dyes and other finished products					5,427	60,316	44,732
All other products						21,891	16,742
Gases, compressed and liquefied:							
Acetylene	Cu. ft	121,696	522,349	525,746	2,318	13,080	13,515
Hydrogen	do	1,669	103,818	150,502	17	696	877
Oxygen	do	104,714	2,057,526	2,073,826	1,829	23,382	22,577
Nitrous oxide (laughing gas)	Gallon	17,838	45,297	54,882	213	731	729
Other gases					104	2,328	17,834
Nitrogen compounds:							
Ammonia (aqua)	Pound	35,544	38,694	66,228	1,412	2,454	3,027
Ammonia (anhydrous)	do	16,660	23,529	31,725	3,141	6,415	6,772
Ammonium chloride	do	11,512	31,937	[3]	641	2,409	[3]
Other ammonium compounds					472	1,269	5,268
Cyanides, ferro and ferri	Pound	[2]	13,582	17,283	2,399	3,215	2,735
Other cyanides	do					5,509	3,929
From coke oven operations not included in total value (Bureau of Mines)—							
Ammonium sulphate	do	[2]	884,953	986,179	[3]	25,954	22,465
Liquor (NH_3 equivalent)	do	[2]	50,987	47,129	[3]	5,140	4,386
Plastics:							
Pyroxylin, including collodion	Pound	[2]	41,776	47,005	3,778	22,159	27,878
Finished articles of pyroxylin					5,527	11,300	10,984
Rubber substitutes	Pound	[2]	11,208			2,922	
Artificial silk, viscs, cellophane, etc	do	[2]	36,477	[4]	4,591	59,051	[4]
Other plastics						6,798	9,870
Potassium compounds:							
Bitartrate (cream of tartar)	Pound	12,696	5,971	7,073	3,125	1,746	1,472
Iodide	do	[2]	439	495	4,731	1,623	1,821
Other						2,120	2,778
Sodium compounds:							
Bichromate and chromate	Ton	12	27	28	1,125	3,995	3,527
Biborate (borax)	do	27	53	50	2,072	5,102	4,083
Carbonates—							
Soda ash	do	935	1,259	1,369	10,938	32,427	32,244
Sal soda (crystals)	do	107	69	64	1,510	1,690	1,332
Bicarbonate	do	90	145	123	1,439	3,738	3,652
Modified sodas	do	[2]	48	47	[2]	1,342	1,551
Hydroxide (caustic)	do	292	431	487	9,105	25,057	27,392
Repacked caustic	do	[2]	33	27	[2]	5,034	4,415

[1] Not including value of rayon. (See footnote 4.)
[2] No data.
[3] Included in other ammonium compounds.
[4] Rayon treated as a separate industry for 1925—51,902,491 pounds, valued at $88,007,873.

No. 767.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

	Unit	Quantity (thousands of unit (specified)			Value (thousands of dollars)		
		1914	1923	1925	1914	1923	1925
Sodium compounds—Continued.							
Phosphates	Ton	15	36	80	853	3,171	5,755
Silicate	do	169	331	395	1,649	5,067	5,717
Sulphates—							
Salt cake	do	90	141	141	842	2,972	2,339
Glauber's salt	do	35	66	58	428	1,521	1,265
Thiosulphate (hypo)	do	(2)	23	24	(2)	1,124	1,051
Other	do	(2)	133	104	(2)	855	529
Sulphide	do	20	32	24	517	2,209	1,203
Other					2,148	16,544	13,379
Miscellaneous:							
Acetone	Pound	10,426	10,928		1,100	2,355	
Barium compounds					361	1,355	1,498
Bismuth compounds					(2)	1,509	1,216
Calcium—							
Acetate	Ton	82	72	73	2,139	4,823	3,433
Arsenate	Pound	(2)	13,261	15,199	(2)	1,703	1,075
Carbide	Ton	(2)	119	128	(2)	8,818	6,599
Chloride	do	45	91	189	342	2,039	3,717
Hypochlorite	do	(2)	147	115	(2)	5,192	3,965
Phosphate	do	12	39	36	1,299	4,393	4,453
Carbon bisulphide	Pound	(2)	25,201	39,875	(2)	1,337	1,939
Cobalt compounds and alloys					(2)	1,710	413
Copper sulphate (blue vitriol)	Pound	37,152	32,304	32,297	1,599	1,778	1,684
Ethyl acetate	Gallon	(2)	2,530	2,907	(2)	2,193	2,407
Ferro-alloys (not blast furnace)	Ton	(2)	215	150	(2)	20,899	15,255
Formaldehyde	Pound	8,426	20,214	21,972	655	2,604	1,891
Glycerin (glycero) refined	do	59,810	74,105	94,303	10,779	12,214	16,991
Iron sulphate (copperas)	Ton	46	71	53	358	1,275	603
Lead arsenate	Pound	8,642	10,755	11,938	512	2,229	1,776
Radium salts	Milligram	(2)	14		(2)	877	
Silver nitrate	Ounce	(2)	3,438	4,339	[5] 846	1,509	2,023
Sulphur, refined	Ton	31	61	47	1,141	2,765	2,121
Tin—							
Oxide	Pound	8,291	4,126	4,788	2,029	1,893	2,905
Chloride	do		7,387	12,599		1,696	3,832
Other	do					376	47
Vanillin	do	121	228	215	526	1,327	1,134
Zinc chloride	do		64,575	58,947	[6] 1,131	1,997	1,993
All other products, including chemicals not separately reported, etc					53,361	82,844	88,122

[2] No data. [5] Includes other silver salts. [6] Includes other zinc compounds.

No. 768.—NATURAL DYESTUFFS AND TANNING MATERIALS: PRODUCTION

[NOTE.—The table includes products made in all industries, sometimes as by-products]

Product	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1914	1923	1925	1914	1923	1925
All products, total value				21,383	38,866	36,278
Natural dyestuffs:						
Extracts	40,779	37,269	23,402	1,739	2,908	1,971
Ground, chipped, or dry	(1)	1,749	1,226	124	31	44
Tanning extracts:						
Oak and chestnut	328,198	445,234	303,089	4,130	8,865	5,353
Hemlock	18,978	9,316	8,622	340	287	284
Sumac	4,512	6,112	4,212	130	309	261
Quebracho	109,597	103,981	82,385	2,945	3,349	2,395
Other		46,084			1,090	2,040
Other tanning materials				354	1,233	409
Mordants				392	801	985
Sizes:						
Dextrin	18,914	57,571	56,350	706	3,287	3,336
Rosin	20,717	103,702	146,859	373	2,766	5,498
Gum, other than rosin	3,832	12,716	44,358	205	843	2,279
Starches, glue, and other	(1)	45,342	28,422	1,769	2,183	1,592
Turkey red oil	11,682	23,741	14,338	820	2,309	1,552
Softeners and other assistants				717	3,148	3,224
All other products				6,639	5,457	5,055

[1] No data.

Source of Tables 767 and 768: Bureau of the Census, Department of Commerce.

No. 769.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

[NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 767), petroleum refining (Table 738), manufactured gas (Table 727), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Data include, except where otherwise stated, not only products of the major industry specified but also similar products made in other industries]

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1923	1925	1914	1923	1925
BONE BLACK, CARBON BLACK, AND LAMPBLACK							
All products, total value					2,972	16,760	17,189
Bone black	Pound	44,509	49,725	64,135	1,532	2,418	2,540
Carbon black	do	22,869	138,263	177,417	918	11,692	9,640
Lampblack	do	(1)	11,117	12,032	504	1,457	1,435
All other products					18	1,193	3,574
FERTILIZERS							
All products, total value					169,018	192,968	214,809
Fertilizers	Ton	8,432	7,549	8,157	153,261	177,227	192,112
Complete and ammoniated fertilizers	do	5,612	4,222	5,058	121,677	124,135	146,605
Superphosphates	do	1,693	2,445	2,639	14,779	32,698	35,180
Concentrated phosphates	do	68	14		1,367	507	
Other fertilizers	do	1,059	869	460	15,438	19,887	10,327
Sulphuric acid (basis 50°), total[2]	do	1,406	1,631	1,927			
Made for sale	do	129	265	601	769	2,006	4,812
Fish scrap	do	63	76	72	1,916	2,723	2,928
All other products					13,072	11,012	14,957
ICE, MANUFACTURED							
All products, total value					67,320	170,592	193,267
Ice:							
Ice industry	Ton	18,325	34,031	38,813	55,268	158,593	180,782
Can ice	do	17,146	33,169	38,229	52,150	154,499	178,157
Plate ice	do	1,179	863	585	3,108	4,094	2,623
Other industries	do	2,718	1,345	1,350	6,934	5,930	6,298
All other products, etc					5,128	6,069	6,187
PAINT AND VARNISH							
All products, total value					148,173	440,565	511,766
Colors (pigments)	Pound	459,052	1,309,517	1,587,137	17,450	91,480	103,686
Paints in oil—							
In paste form	do	420,012	425,880	411,769	29,038	50,570	50,667
Ready mixed	Gallon	40,746	71,347	68,991	41,544	127,144	127,679
Water paints and kalsomine—							
Dry or in paste	Pound	61,904	122,217	110,618	2,055	5,534	4,636
Mixed for use	Gallon	297	10	73	147	11	158
Other paints—							
In paste form	Pound	(1)	(1)	22,814	(1)	(1)	5,040
Mixed for use	Gallon	(1)	(1)	18,576	(1)	(1)	30,539
Varnishes, japans, and lacquers	do	36,365	80,330	88,670	31,994	116,410	136,474
Fillers—							
Liquid	do	966	846	722	670	940	922
Paste and dry	Pound	49,588	34,534	42,004	1,319	2,041	2,304
Putty	do	69,828	92,745	101,209	1,250	3,775	3,926
Bleached shellac	do	8,655	15,280	11,136	1,807	9,571	5,991
All other products					21,899	33,089	39,744
SOAP							
All products, total value					135,304	281,295	282,728
Hard soaps	Pound	1,696,484	2,000,341	2,109,133	104,465	179,924	191,384
Toilet soaps	do	169,926	240,145	332,935		53,099	53,647
Soap chips	do	97,746	218,754	325,043		25,373	36,284
Laundry and foots soap	do	1,428,812	1,541,442	1,383,291		101,452	93,987
All other hard soaps	do			67,865			7,466
Powdered soaps	do	367,744	655,061	690,308	(1)	39,799	41,648
Soft soap	do	57,002	67,752	61,189	1,697	2,465	2,514
Liquid soap	do	(1)	17,879	22,047	(1)	1,666	2,122
Special soap articles[2]	do	(1)	56,270	52,836	833	5,270	3,932
Glycerin (for sale)—							
Crude	do	12,745	23,459	25,842	1,818	2,695	3,518
Refined	do	32,674	54,418	72,597	5,776	8,554	13,092
Perfumes and toilet preparations[2]					6,805	16,928	24,518
All other products					13,910	23,994	

[1] Figures not available. [2] Includes only output of industry specified above.

Source: Bureau of the Census, Department of Commerce.

No. 770.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1914	1919	1921	1923	1925
Total	131,019	592,350	242,526	407,038	310,556
Steam engines, total	21,784	101,953	30,357	26,765	24,411
Reciprocating marine	1,300	27,951	5,916	1,170	636
Reciprocating stationary and portable	11,822	14,492	8,775	12,882	7,962
Stationary turbines	8,662	10,073	12,342	10,328	14,055
Marine turbines	(1)	46,102	2,321	(1)	(1)
Not reported as to type	(1)	3,335	1,003	2,385	1,758
Internal-combustion engines (not including tractors), total	45,314	174,368	74,699	110,752	117,894
Diesel and semi-Diesel type—					
Marine	(2)	(2)	8,273	14,013	7,353
Other					15,875
Other internal-combustion engines—					
Marine—					
Stationary	7,570	20,578	7,604	8,492	8,833
Detachable					2,561
Motor vehicle [3]	11,623	60,989	31,005	[4] 59,074	[4] 55,624
Other stationary and portable	[5] 26,121	[5] 92,801	[5] 27,817	29,173	27,648
Tractors and traction engines, total	17,651	172,667	53,169	78,320	102,905
Tractors, internal-combustion	17,651	172,667	53,169	76,427	102,647
Traction engines, steam				1,893	258
Water turbines	[6] 3,633	[6] 4,136	[6] 4,624	6,732	5,338
Engines and turbines not specified as to kind of power					[7] 13,707
Locomotives, steam	42,637	139,226	79,677	184,469	46,301

[1] No data.
[2] Not reported separately; included with stationary and portable internal-combustion engines.
[3] Not including engines built for installation in motor vehicles manufactured in the same establishments.
[4] Includes data for a small number of aviation engines for 1925 and a small number of aviation and motor-cycle engines for 1923.
[5] Includes data for motor-cycle and aviation engines for 1914, 1919, and 1921 and for Diesel engines for 1914 and 1919.
[6] Includes data for a small number of water motors, not reported separately.
[7] Reported as secondary products by establishments in other industries. Includes value of engines, $1,842,028, and of steam and water turbines, $11,703,091.

Source: Bureau of the Census, Department of Commerce.

No. 771.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

[NOTE.—Values in thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers and calculating machines," "dairymen's, poultrymen's, and apiarists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 770, 772, 773, and 774]

Class	1914	1919	1921	1923	1925
Adding and calculating machines and parts	14,734	53,993	30,016	51,996	51,289
Agricultural machinery	64,866	94,080	58,136	82,130	85,471
Aircraft	481	9,705	5,099	9,077	8,102
Bakers' machinery and equipment	2,555	9,359	10,560	14,451	17,212
Blowers and fans	(1)	12,141	12,518	14,386	16,210
Bottling machinery	1,359	10,468	6,642	5,969	10,139
Clay-working machinery (brick, pottery, etc.)	2,439	3,187	3,772	5,508	5,298
Canning machinery	(1)	(1)	5,139	9,691	9,766
Cars and trucks, industrial and mining	(1)	(1)	(1)	17,919	24,267
Cash registers and parts	15,935	31,574	23,944	44,382	42,326
Cement and concrete machinery:					
Cement-making machinery	(1)	(1)	(1)	3,680	5,532
Cement and concrete block machinery	(1)	(1)	(1)	(1)	1,461
Concrete mixers	(2)	(2)	(2)	13,602	12,620
Other cement and concrete machinery	(2)	(2)	(2)	(2)	5,604
Condensers	(1)	(1)	(1)	4,588	4,938
Confectionery and ice-cream machinery	(1)	9,341	5,157	5,029	5,143
Conveying machinery:					
Bucket type	(1)	(1)	(1)	(1)	14,717
Belt type	(1)	(1)	(1)	(1)	8,601
Other	(1)	(1)	(1)	(1)	7,370

No. 771.—Machinery: Value of the Principal Classes Manufactured—Continued

[Values in thousands of dollars]

Class	1914	1919	1921	1923	1925
Cotton gins	4,902	10,176	2,721	7,175	12,808
Cranes (including hoists and derricks)	(2)	52,534	20,445	42,197	43,936
Dairy, cheese-factory, and butter-factory machinery	12,998	34,279	17,759	16,486	15,177
Dredging and excavating machinery:					
Power shovels	(1)	12,454	12,858	23,684	26,609
Other	2,969	9,108	4,991	16,622	19,232
Electrical machinery	50,601	112,422	89,800	128,384	134,513
Elevators and elevator machinery	17,228	70,187	40,931	52,516	47,430
Engines (steam or internal-combustion) and water wheels [3]	93,635	501,674	186,488	266,285	317,255
Flour-mill and grain-mill machinery	(2)	(2)	8,663	9,084	7,946
Gas machines and apparatus	4,426	9,823	4,554	7,243	7,528
Glass-making machinery	1,091	3,316	4,088	2,651	2,666
Hydraulic machinery:					
Hydraulic rams	(2)	(2)	(2)	(2)	218
Other	(2)	(2)	(2)	(2)	4,720
Laundry machinery	7,565	13,891	12,983	19,077	24,198
Lawn mowers	2,848	3,777	6,401	8,258	8,047
Leather-working machinery, other than shoe	1,066	4,691	2,526	2,575	2,222
Locomotives (steam, electric, and internal-combustion) [4]	43,374	156,270	90,111	194,673	58,359
Machine tools	(1)	(2)	(2)	89,964	91,459
Metal-working machinery, other than machine tools	(2)	(2)	(2)	(2)	47,363
Meters, gas and water	11,638	27,765	18,181	2,339	24,502
Mining machinery, other than oil-well	13,254	51,243	30,290	[5] 47,590	34,827
Motion-picture cameras and projectors	(1)	3,606	2,869	2,631	4,620
Motor cycles and bicycles	15,919	28,453	12,710	20,752	15,906
Motor vehicles, except motor cycles	458,761	1,736,818	1,326,120	2,611,735	2,946,821
Oil-mill machinery, cottonseed, and other	1,878	(2)	1,472	3,037	4,132
Oil-well machinery	10,569	28,351	27,415	52,158	47,209
Ore crushers	(1)	2,367	3,322	4,862	3,252
Packing-house machinery	(1)	(1)	4,133	5,441	5,370
Paper-mill and pulp-mill machinery	8,588	[6] 27,421	[6] 31,581	18,736	21,209
Pneumatic machinery (other than pneumatic tools):					
Air compressors	5,158	18,650	15,729	27,762	29,473
Other pneumatic machinery	(1)	(1)	(1)	(1)	1,109
Printing machinery	19,228	53,325	54,870	68,630	69,217
Pumps and pumping equipment	[7] 27,457	[7] 66,456	[7] 69,255	92,815	121,299
Refrigerating machinery	10,522	30,667	33,174	36,542	62,593
Road-making machinery	3,545	15,778	17,858	24,264	26,297
Rubber-working machinery	2,726	17,002	8,003	6,849	10,164
Scales and balances	(1)	20,641	15,885	21,836	23,691
Sewing machines, cases, cabinets, attachments, and parts	27,238	57,938	35,608	42,993	45,131
Shoe machinery	5,959	16,261	9,482	10,663	11,769
Slot-vending machines	(1)	1,646	2,466	3,777	4,202
Stokers, mechanical	(1)	4,280	7,161	14,095	9,420
Sugar-mill machinery	1,972	14,847	12,075	9,112	8,643
Textile machinery and parts	(1)	118,044	115,167	127,406	109,354
Transmission machinery	(1)	(1)	(1)	11,359	15,350
Typewriters and parts	20,517	43,313	33,361	39,521	50,190
Vacuum cleaners	2,059	21,462	21,726	36,870	40,285
Washing machines, clothes wringers, driers, and ironing machines for domestic use	(1)	42,896	32,444	57,551	70,240
Well-drilling machinery, other than oil-well	(1)	2,567	1,353	1,074	1,843
Windmills and windmill towers	(2)	(2)	3,953	4,636	5,682
Woodworking machinery	13,393	36,763	25,682	44,447	39,620

[1] Not reported separately.
[2] No comparable data.
[3] Not including steam boilers made for sale as separate units.
[4] Includes for 1914 and 1919 steam locomotives only; for 1921, 1923, and 1925, steam, gasoline, and electric locomotives.
[5] Not strictly comparable with figures for other years due to changes in classification.
[6] Includes the value of machinery used for converting paper into boxes, bags, etc., for 1919 and 1921, but not for other years.
[7] Not strictly comparable with figures for 1923 and 1925; includes power pumps and equipment only for 1914, 1919, 1921, and 1923, and pumps (hand and power) and pumping equipment for 1923 and 1925.

Source: Bureau of the Census, Department of Commerce.

No. 772.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS): PRODUCTION

[NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product]

Kind	Number			Value (thousands of dollars)		
	1919	1923	1925	1919	1923	1925
Metal-working machinery, total value	-------	-------	-------	(1)	(1)	138,812
Machine tools	-------	-------	-------	179,747	89,964	91,459
Metal-working machinery, other than machine tools	-------	-------	-------	(1)	(1)	47,353
Machine tools:						
Bending machines	153	616	807	942	616	642
Boring machines	1,433	803	802	8,768	3,577	3,032
Broaching machines	549	235	435	1,395	347	540
Cutting-off machines	(3)	951	1,786	(3)	612	497
Drilling machines	16,642	(2)	(2)	11,430	8,140	7,046
Forging machines	(3)	120	85	(3)	813	779
Gear-cutting machines	2,688	1,107	1,271	5,845	3,506	4,258
Grinding machines	(2)	(2)	(2)	15,803	7,782	10,734
Hammers, stationary	38,535	653	855	4,952	441	829
Lathes	29,031	(2)	(2)	37,475	18,991	16,345
Milling machines	11,480	(2)	(2)	18,526	6,047	6,489
Pipe cutting and threading machines	4,118	1,958	2,637	2,481	1,003	1,305
Planers	1,482	302	193	8,129	2,110	1,105
Portable tools	(2)	(2)	(2)	10,908	12,358	11,896
Presses	35,786	(2)	(2)	6,357	6,144	7,995
Punching machines (stationary)	(3)	1,390	1,034	(3)	1,119	1,910
Riveting machines (stationary)	(3)	(2)	(2)	(3)	658	687
Screw machines (automatic)	6,227	2,113	2,301	9,625	4,841	5,919
Shapers	4,515	1,569	1,125	4,231	2,053	1,615
Shears (power)	1,367	1,763	1,892	1,566	981	1,351
Slotters	(3)	81	62	(3)	446	405
Threading machines (excepting pipe)	(3)	(2)	(2)	(3)	1,089	839
All other machine tools	(2)	(2)	(2)	31,314	[4] 6,290	5,241
Metal-working machinery, other than machine tools:						
Rolling-mill machines	(1)	(1)	(1)	(1)	(1)	15,001
Sheet-metal working machines	(1)	(1)	(1)	(1)	(1)	17,468
Welding machines	(1)	(1)	(1)	(1)	(1)	1,176
Wire-drawing machines	(1)	(1)	(1)	(1)	(1)	670
Wire-working machines	(1)	(1)	(1)	(1)	(1)	2,142
Other metal-working machines	(1)	(1)	(1)	(1)	(1)	10,896

[1] No comparable data, due to changes in classification.
[2] Data incomplete.
[3] Not reported separately.
[4] Includes machine tools to the value of $3,787,527 reported as secondary products by establishments classified in other industries but not shown separately by kind.

Source: Bureau of the Census, Department of Commerce.

No. 773.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

[NOTE.—All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars. Includes subsidiary products of establishments classed under other industries]

Product	1914	1919	1921	1923	1925
Total value	359,432	1,063,526	884,594	1,377,515	1,653,550
Generators (not specified elsewhere):					
Alternating current—					
Number	[1] 2,512	[1] 3,799	1,687	1,975	2,098
Kilovolt-amperes (thousands)	[1] 1,188	[1] 2,724	2,994	(2)	3,674
Value	[1] 7,437	[1] 12,666	15,513	18,508	17,899
Direct current—					
Number	[3] 9,633	[3] 6,607	5,691	10,308	15,972
Kilowatts (thousands)	221	894	185	(2)	(2)
Value	[3] 2,967	[3] 6,642	2,923	4,235	5,317

No. 773.—Electrical Machinery, Apparatus, and Supplies: Value of Products by Classes—Continued

[All figures in thousands of dollars]

Product	1914	1919	1921	1923	1925
Automotive generators and motors for charging, lighting, and starting	[4] 5,933	[4] 36,663	27,443	54,007	56,221
Self-contained power and lighting outfits	([5])	24,079	4,043	7,685	11,143
Transformers, induction-voltage regulators, and current-limiting reactors	14,514	27,061	42,103	59,115	62,153
Motor-generator sets and dynamotors	5,368	4,851	6,311	7,305	[3] 8,264
Control apparatus, railway, vehicle, motor, and other	[6] 8,395	[6] 21,584	19,551	33,177	31,303
Electric locomotives (mining, industrial, and railway)	3,721	8,160	9,397	8,865	10,331
Stationary motors (not fan), total	27,594	81,908	58,078	84,778	92,648
Fractional horsepower	[7] 1,191	[7] 4,920	16,907	23,939	28,249
One horsepower and over—					
Direct current	9,800	20,200	9,358	13,865	15,797
Alternating current	16,604	55,971	31,814	46,973	48,602
Railway and vehicle motors, not including automotive starter-motors	7,234	6,355	6,974	10,586	7,515
Electric fans	4,836	9,908	8,611	12,054	12,563
Motor parts and supplies	4,512	18,722	9,394	13,825	12,947
Storage batteries, parts and supplies	13,081	60,036	48,558	92,843	110,212
Primary batteries	9,522	28,829	14,609	21,446	40,982
Primary battery parts and supplies	800	3,598	3,716	3,776	4,054
Carbons: Electrodes for lighting and furnaces, brushes, and specialties	3,603	13,292	5,528	14,746	13,955
Incandescent lamps	17,350	57,647	59,728	71,966	73,558
Telegraph apparatus	[6] 202	[6] 2,649	244	2,086	2,922
Telephone apparatus	22,816	46,214	101,992	92,398	81,510
Fire-alarm apparatus	1,254	2,092	2,404	2,640	3,490
Radio apparatus, including tubes	[6] 792	[6] 8,075	10,648	54,000	176,990
Household apparatus and appliances:					
Vacuum cleaners, portable	([5])	[6] 21,842	19,758	35,982	39,971
Flatirons	1,467	5,646	4,731	8,199	7,998
Cooking utensils	[6] 1,327	[6] 7,815	3,164	5,486	7,921
Ranges, disk stoves, and hot plates	[8] 671	[8] 3,444	1,795	3,677	7,901
Radiators and radiant heaters	([5])	([5])	1,151	1,862	2,028
Electric measuring instruments	8,787	19,322	21,033	28,221	31,650
Switchboards, panel boards, cabinets, circuit breakers, and switches	[6] 15,383	[6] 26,328	36,299	57,856	69,759
Magneto-generators	22,261	22,012	4,065	10,304	9,930
Spark plugs		19,519	10,013	13,660	13,878
Coils		9,756	6,511	7,868	7,837
Insulated wires and cables	69,506	128,682	98,333	184,472	210,617
Searchlights, flood lights, motion-picture, photo-engraving, and stage projectors	2,082	4,342	1,943	2,479	2,801
Railway signals and attachments	([5])	([5])	1,620	4,466	14,030
Fuses, cut-outs and fuse plugs	1,757	7,895	4,483	9,245	10,393
Insulators	([5])	6,504	6,509	16,374	17,858
Wiring devices	[6] 7,580	[6] 26,919	21,806	34,966	34,806
Lightning arresters and choke coils	1,189	2,353	2,044	3,834	5,961
Electric railway line materials	([5])	[6] 9,379	2,691	8,796	4,240
Conduits, underground and interior	4,875	19,267	19,346	37,500	[9] 46,330
Electric-signaling apparatus (other than railway)	675	6,124	6,444	7,142	5,081
Electrotherapeutic apparatus, exclusive of X-ray tubes and motor-driven devices	2,653	5,911	6,820	5,991	9,788
All other	57,290	230,252	146,270	219,094	256,796

[1] Figures not comparable with 1921, 1923, and 1925, because of change in classification; synchronous condensers and frequency changers reported with rotating converting apparatus for 1914.
[2] No comparable data.
[3] Not comparable with 1921, 1923, and 1925; does not include generators under 10 kilowatts. (See note 4.)
[4] Not comparable with 1921, 1923, and 1925; includes generators under 10 kilowatts, not used as automotive generators.
[5] Not reported separately.
[6] Not strictly comparable with figures for 1921, 1923, and 1925, because of changes in classification.
[7] Reported as motors for miscellaneous uses.
[8] Reported as "stoves and ranges" in 1914 and 1919 and as "ranges" in 1921.
[9] Not strictly comparable with preceding years; includes interior conduits only.

Source: Bureau of the Census, Department of Commerce.

No. 774.—FARM EQUIPMENT: PRODUCTION

[NOTE.—For all wagons, see Table 776; for all tractors, see Table 770]

Class	Number				Value (thousands of dollars)			
	1924	1925	1926	1927	1924	1925	1926	1927
All products, total value					323,367	391,812	461,400	459,574
Plows and listers					21,030	23,937	33,148	29,443
Moldboard plows	537,595	541,393	630,189	525,046	10,655	12,050	18,812	14,309
Disk plows	12,874	20,424	24,250	21,425	1,192	1,769	2,220	2,396
Listers	41,030	38,826	56,087	35,690	1,630	1,525	2,232	1,538
Other plows	9,075	14,650	14,743	13,988	152	210	300	1,686
Attachments and parts, incl. plow stocks and steel plow shapes					7,401	8,383	9,584	9,014
Harrows, rollers, pulverizers, and stalk cutters [1]					9,717	10,179	15,553	13,868
Disk harrows	85,699	95,714	141,964	122,680	4,630	5,135	8,062	7,051
Spike-tooth harrow sections	180,573	176,951	315,844	242,459	1,429	1,431	2,219	1,725
Spring-tooth harrow sections	87,830	109,464	117,757	117,434	1,014	1,000	1,316	1,242
Stalk cutters	5,920	6,934	11,722	10,400	265	309	448	377
Other, incl. attachments and parts					2,379	2,304	3,508	3,473
Planting and fertilizing machinery [1]					14,610	20,890	26,591	24,524
Corn planters, one and two row	58,843	59,830	72,242	55,927	2,493	2,717	3,383	2,601
Combined corn and cotton planters	56,749	62,927	74,248	40,866	1,746	2,050	2,205	1,005
Combined listers and drills	17,308	20,203	22,908	12,894	1,089	1,390	1,671	767
Grain drills	15,579	32,582	47,113	58,629	1,532	3,567	5,275	6,638
Broadcast seeders	75,480	78,552	77,439	78,512	574	484	654	679
Manure spreaders	35,842	53,839	67,322	67,541	4,355	6,329	8,245	8,274
Other, incl. attachments and parts					2,821	4,353	5,158	4,560
Cultivators and weeders [1]					14,648	17,671	20,311	14,296
1-horse	129,372	155,539	136,454	132,244	720	822	755	698
1-row	189,940	174,267	215,345	121,237	6,929	6,700	8,138	4,405
2-row	46,921	50,471	64,723	41,307	3,782	4,107	5,239	3,504
Hand cultivators (wheeled hoes)	115,685	125,048	143,832	147,065	359	397	506	447
Other cultivators and weeders	23,130	118,788	64,195	58,189	492	1,575	2,338	2,917
Attachments and parts					2,366	4,070	3,335	2,325
Harvesting machinery					29,752	28,386	46,007	57,230
Grain binders	55,731	42,405	79,155	71,091	9,297	6,650	12,134	10,831
Grain headers	5,693	2,857	7,200	4,621	1,552	665	1,677	1,103
Combines (harvester—thresher)	5,828	5,131	11,760	18,307	6,634	7,284	15,863	26,885
Corn binders	17,267	20,829	26,449	21,423	2,488	2,933	3,641	2,933
Potato diggers	10,278	6,621	10,134	15,780	672	399	586	1,003
Other harvesting machinery	19,548	24,135	22,394	19,886	2,418	3,047	2,500	2,613
Attachments and parts					6,691	7,408	9,606	11,862
Haying machinery					15,767	15,457	13,951	15,317
Mowers	126,448	112,299	112,259	110,644	7,386	6,042	5,988	6,007
Rakes	77,542	87,616	72,537	80,489	2,971	3,364	3,028	3,590
Loaders	13,484	15,746	19,793	25,102	1,133	1,243	1,630	2,018
Other haying machinery	7,939	9,794	10,128	7,151	569	633	389	363
Attachments and parts					3,708	4,175	2,916	3,339
Machines for preparing crops for market or use [1]					24,190	28,488	34,127	32,166
Threshers	10,929	14,923	17,830	16,701	9,422	14,151	17,361	15,124
Ensilage and fodder cutters	14,208	14,612	14,802	15,280	2,165	2,143	2,197	2,088
Corn shellers	38,967	43,386	44,713	47,396	1,383	1,187	1,219	1,168
Corn huskers and shredders	3,600	2,225	3,531	2,448	1,636	1,219	1,775	1,150
Hay presses	3,311	3,192	3,457	3,325	1,091	1,108	1,061	1,072
Feed grinders and crushers	93,207	98,051	108,752	104,755	1,615	1,565	1,915	2,049
Other machines	44,504	54,273	80,225	71,373	1,564	2,059	2,435	2,423
Attachments and parts					5,314	5,056	6,164	7,092
Farm tractors	120,643	167,553	181,995	200,504	82,498	121,050	145,913	159,530
Wheeled types [1, 2]	116,031	161,493	174,223	190,185	54,726	83,407	100,813	102,463
Tracklaying type	4,612	6,060	7,772	10,319	13,932	17,441	22,024	27,720
Attachments and parts					13,840	20,202	23,076	29,347
Horse-drawn vehicles	160,451	204,221	154,741	109,390	15,537	17,488	13,658	8,284
Farm wagons	84,852	108,477	74,693	41,302	8,132	10,225	6,887	4,027
Farm trucks	38,230	63,177	57,291	47,889	1,917	2,876	2,415	1,901
Buggies	26,695	20,486	8,854	6,269	2,269	1,872	756	547
All other (incl. 2-wheeled carts)	10,674	12,081	13,903	10,930	438	320	337	290
Attachments and parts					2,781	2,195	3,263	1,519
Miscellaneous equipment [1]					95,618	108,268	112,141	104,916
Stalls, stanchions, and stock pens					2,111	2,759	2,616	2,743
Stock tank and waterers	123,964	185,713	250,978	304,025	1,312	2,028	1,953	1,879
Cream separators	143,977	170,505	194,270	191,996	6,141	7,839	9,229	8,098
Internal-combustion engines (farm)	120,458	182,415	177,247	131,814	9,463	12,383	12,910	8,638
Windmills and windmill towers	120,577	155,507	133,011	120,597	4,611	5,682	4,670	4,555
Other, incl. attachments and parts					71,980	77,575	80,763	79,003

[1] Statistics for years prior to 1926 have been revised for comparability.
[2] Including motor cultivators.

Source: Bureau of the Census, Department of Commerce.

No. 775.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1919	1923	1925	1919	1923	1925
MUSICAL INSTRUMENTS AND MATERIALS						
All products, total value				164,191	175,336	170,742
Pianos:						
Upright	138,171	105,748	87,285	29,397	21,675	16,374
Upright, player	166,091	170,549	143,331	49,277	46,296	38,167
Upright player, reproducing type	11,488	12,658	5,476	4,068	4,649	2,193
Grand—						
Baby	17,973	38,024	40,357	8,652	16,101	16,244
Baby, player	2,034	6,769	12,884	1,711	5,429	8,360
Parlor	2,172	5,899	9,170	1,110	3,835	5,433
Parlor, player	125	2,753	2,699	119	3,084	3,631
Concert	87	666	579	54	932	453
Automatic and electric	3,511	4,539	4,303	1,435	2,380	2,322
Organs:						
Pipe	1,151	1,712	1,955	4,185	9,654	12,808
Reed	26,429	7,772	4,360	1,889	538	442
Band and orchestral instruments:						
Wind instruments				4,286	7,812	9,478
Brass				3,943	7,305	8,846
Wood				343	507	632
Stringed instruments				3,062	3,469	5,859
Percussion and other instruments (chimes, xylophones, drums, bells, traps, etc.)				1,447	2,288	2,886
Perforated music rolls				3,104	5,262	6,068
Pneumatic player actions for installation in player pianos				1,475	14,693	14,782
Cabinet player attachments made separate from pianos				384		
Parts and materials for musical instruments other than pianos and organs				3,677	1,851	1,867
Orchestrions	721	52		546	38	1,842
Organ parts and materials, for sale as such				42,737	1,265	
Piano parts and materials, for sale as such					17,676	15,223
All other products					4,894	4,157
Receipts for custom work, repairing, etc				1,576	1,515	1,653
PHONOGRAPHS [1]						
All products, total value				158,548	107,311	61,057
Phonographs:	*Thousands*	*Thousands*	*Thousands*			
For disk records	2,138	978	642	88,836	55,395	22,614
All other	89	20		2,733	1,642	
Disk records	101,085	92,855	82,125	42,931	35,714	26,701
Cylinder records and blanks	5,912	5,249		1,759	658	
Needles, parts, and all other				22,289	13,902	11,652

[1] Does not include subsidiary products reported by establishments engaged primarily in other industries which amounted to $3,603,378 in 1925.

Source: Bureau of the Census, Department of Commerce.

No. 776.—VEHICLES AND AIRCRAFT: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1914	1923	1925	1914	1923	1925
MOTOR VEHICLES						
Motor vehicle industry, total value of products				503,230	3,163,328	3,198,123
Motor vehicles made in motor vehicle industry	568,781	3,901,986	4,176,519	458,761	2,616,785	2,951,921
Other products of motor vehicle industry				44,469	546,543	246,202
Motor vehicles made in other industries	[1] 4,258	385	1,728	[1] 6,297	421	730
Total motor vehicles, incl. chassis and trailers	[1] 573,039	3,902,371	4,178,247	[1] 465,058	2,617,206	2,952,651
Passenger vehicles	543,881	3,432,308	3,581,240	414,542	2,277,777	2,527,575
Touring, open	451,032	1,782,992	1,095,186	345,973	962,097	516,206
Roadsters, runabouts, and sport (speedsters), open	81,597	432,152	390,062	45,890	221,899	180,845
Closed	11,098	[1] 1,201,577	2,080,697	22,350	[1] 1,066,838	1,786,834
Public conveyances (cabs, etc.)		12,878	15,295		24,667	43,690
All other	154	2,709		329	2,276	
Government and municipal vehicles	728	1,192	1,233	3,941	10,052	10,488
Business vehicles	24,172	281,477	341,811	40,278	222,420	287,243
Delivery cars	4,391	28,042	35,976	4,750	17,140	24,080
Trucks	19,519	252,563	303,824	34,741	202,723	257,804
All other	262	872	2,011	787	2,557	5,359
Chassis	[2]	175,273	240,790	[2]	101,486	121,516
Passenger	[2]	53,256	87,780	[2]	25,121	39,919
Business	[2]	122,017	153,010	[2]	76,365	81,597
Trailers	[2]	11,460	12,823	[2]	4,367	4,937
Tractors [3]	[2]	661	350	[2]	1,104	892
MOTORCYCLES, BICYCLES, AND PARTS						
All products				22,234	32,259	25,319
Motorcycles	62,154	41,898	39,350	12,162	10,025	8,876
Bicycles	299,029	486,177	303,446	3,757	10,727	7,031
Parts, repairs, and all other products				6,315	11,507	9,412
CARS, STEAM AND ELECTRIC RAILROAD [4]						
All products				205,271	604,351	390,771
Steam:						
Passenger (day coaches only)	1,653	1,159	532	19,607	25,183	11,991
Sleeping, baggage, express, etc., in passenger service	1,792	678	1,589	24,404	15,069	42,949
Box	50,481	60,035	49,230	40,953	119,148	101,024
Flat	4,781	2,949	2,306	3,120	4,066	3,225
Gondolas	25,077	29,259	21,402	22,809	55,073	42,002
Hopper	9,754	36,630	3,243	10,708	66,992	5,870
Refrigerator	5,800	19,861	4,704	8,077	52,261	14,741
Stock	3,929	3,323	3,310	2,587	5,235	5,877
Tank	1,250	6,009	5,396	1,255	14,074	10,702
Other varieties	15,584	6,873	4,420	6,709	12,824	8,800
Electric:						
Passenger	2,335	2,767	1,753	8,076	25,696	19,030
Other varieties	207	115	81	714	489	419
All other products, including repairs				56,252	208,241	124,141
CARRIAGES AND WAGONS						
All products				109,657	40,837	28,019
Wagons	572,409	223,972	211,418	36,533	21,130	16,400
Carriages and buggies	550,401	57,669	20,646	34,193	4,611	1,884
Other conveyances	54,605	4,651	2,767	1,557	295	118
All other products, parts, repairs, etc				37,373	14,801	9,617
AIRCRAFT						
All products					12,945	12,775
Airplanes	[5]	[6] 505	711	[5]	6,166	5,908
Seaplanes	[5]	82	78	[5]	1,571	765
Under construction at close of year	[5]	281	259	[5]	[7] 1,340	1,429
Parts and engines for sale as such				[5]	861	3,795
All other products, including repairs				[5]	3,007	878

[1] The numbers and values of the complete vehicles manufactured in 1914 by establishments in the bodies-and-parts branch and in other industries are included in the totals but not in the distribution by class.
[2] Not reported separately.
[3] Figures refer only to tractors manufactured by establishments engaged primarily in the manufacture of motor vehicles. For total production of tractors, see Table 770.
[4] Not including cars built, or repair work done, by railroad companies.
[5] Figures not available.
[6] Includes 113 remodeled airplanes valued at $193,000.
[7] Value of work done during year on aircraft under construction at close of year.

Source: Bureau of the Census, Department of Commerce.

No. 777.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

[NOTE.—The statistics for 1915 to 1927 relate to the 12 months ended July 31, and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry]

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding linters[1] (thousands of bales)			
	Total in place	Active					Total	The South	New England	Other States
		Total	The South	New England	Other States					
1840	(2)	2,285	181	1,597	506	(2)	237	71	159	7
1850	(2)	3,998	265	2,959	775	(2)	576	78	431	67
1860	(2)	5,236	324	3,859	1,053	(2)	845	94	567	184
1870	(2)	7,132	328	5,498	1,306	(2)	797	69	551	177
1880	(2)	[3]10,653	[3]561	[3]8,632	[3]1,460	(2)	[3]1,570	[3]189	[3]1,129	[3]252
1890	(2)	14,384	1,570	10,934	1,880	(2)	2,518	539	1,502	477
1900	(2)	19,472	4,368	13,171	1,933	(2)	3,873	1,523	1,909	440
1905	(2)	23,687	7,631	14,203	1,853	(2)	[4]4,279	[4]2,140	[4]1,753	[4]386
1910	28,929	28,267	10,494	15,735	2,038	(2)	4,622	2,234	1,995	393
1911	30,804	29,523	11,085	16,511	1,927	456	4,498	2,249	1,882	367
1912	31,583	30,579	11,583	17,140	1,856	500	5,129	2,636	2,076	417
1913	32,150	31,520	12,227	17,311	1,981	455	5,483	2,862	2,178	443
1914	32,744	32,108	12,711	17,408	1,988	414	5,577	2,925	2,219	433
1915	32,841	31,964	12,956	17,101	1,908	395	5,597	3,027	2,149	421
1916	33,333	32,806	13,382	17,474	1,950	405	6,398	3,528	2,389	481
1917	34,221	33,389	14,156	17,761	1,972	453	6,789	3,888	2,415	486
1918	34,941	34,543	14,529	17,985	2,029	447	6,566	3,697	2,402	467
1919	35,443	34,931	14,846	18,066	2,019	429	5,766	3,199	2,165	402
1920	35,834	35,481	15,231	18,287	1,963	402	6,420	3,583	2,397	440
1921	36,618	36,047	15,709	18,388	1,951	336	4,893	2,997	1,614	282
1922	36,946	35,708	15,906	17,939	1,863	314	5,910	3,730	1,823	357
1923	37,409	36,260	16,310	18,054	1,896	289	6,666	4,248	2,049	369
1924	37,804	35,849	16,944	17,066	1,839	258	5,681	3,858	1,535	288
1925	37,929	35,032	17,292	15,975	1,765	251	6,193	4,220	1,639	334
1926	37,586	34,750	17,574	15,526	1,650	243	6,456	4,500	1,628	328
1927	36,696	34,410	17,894	14,995	1,521	235	7,190	5,194	1,675	321

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Total, excluding linters	Domestic			Foreign	Linters	Total, excluding linters	Domestic	Foreign	Linters
		Total	Upland	Sea Island						
1906–1910	[5]4,829	[5]4,680	[6]4,595	[6]62	149	[7]163	[5]731	[5]673	58	[7]39
1911–1915	5,257	5,051	4,976	75	206	293	822	738	84	86
1916–1920	6,388	6,105	6,034	71	282	734	1,452	1,352	100	179
1921–1925	5,869	5,577	5,568	9	292	599	1,003	911	92	139
1906	[8]4,909	[8]4,771	(2)	(2)	138	(8)	[8]680	[8]640	40	(8)
1907	[8]4,985	[8]4,845	4,785	60	140	(8)	[8]1,017	[8]937	80	(8)
1908	[8]4,539	[8]4,389	4,345	44	150	(8)	[8]594	[8]532	62	(8)
1909	5,092	4,930	4,862	68	162	149	869	803	66	38
1910	4,622	4,466	4,390	76	156	177	493	451	42	40
1911	4,498	4,323	4,259	64	175	207	499	417	81	43
1912	5,129	4,922	4,827	95	208	238	818	733	85	53
1913	5,483	5,250	5,196	55	233	303	718	638	80	60
1914	5,577	5,383	5,301	82	194	307	676	612	64	75
1915	5,597	5,375	5,296	79	222	412	1,401	1,292	109	199
1916	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918	6,566	6,382	6,297	86	184	1,119	1,465	1,403	63	138
1919	5,766	5,590	5,539	51	176	458	1,303	1,253	51	267
1920	6,420	6,003	5,960	43	417	342	1,358	1,208	150	277
1921	4,893	4,677	4,658	19	216	516	1,111	1,021	90	201
1922	5,910	5,613	5,604	9	297	639	1,218	1,127	91	139
1923	6,666	6,322	6,316	6	344	646	1,100	981	118	127
1924	5,681	5,353	5,348	5	328	537	722	638	84	101
1925	6,193	5,917	5,914	4	276	659	866	787	79	129
1926	6,456	6,176	6,174	2	280	804	1,097	1,011	86	144
1927	7,190	6,880	6,879	1	310	806	1,405	1,325	80	199

[1] Includes linters for 1840 to 1905.
[2] Figures not available.
[3] Cotton mills only.
[4] Does not include foreign cotton.
[5] Includes linters for 1906 to 1908.
[6] Average, 1907 to 1910.
[7] Average, 1909 and 1910.
[8] Linters included under cotton.

Source: Bureau of the Census, Department of Commerce.

No. 778.—COTTON SPINDLE HOURS AND COTTON CONSUMPTION

[NOTE.—Per cent of capacity represents ratio between (1) the actual number of spindle hours including overtime, double shifts, and part time, and (2) the total number of spindles in place multiplied by the number of hours per month in a single shift at normal full working time. Consumption includes both domestic and foreign cotton]

Month	Spindle hours (millions)					Spindle hours—per cent of capacity				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Total	99,508	80,275	94,601	97,032	104,404	98.9	78.5	92.9	95.4	104.9
January	9,274	8,347	8,554	8,356	8,554	107.6	95.5	97.2	98.6	102.0
February	8,450	7,100	7,893	8,121	8,239	109.6	87.3	100.5	103.2	106.5
March	9,536	7,071	8,615	9,169	9,638	108.3	82.4	100.0	102.2	109.8
April	8,780	6,776	8,520	8,345	8,788	109.2	80.0	100.2	98.2	105.6
May	9,303	5,908	7,932	7,503	8,983	107.6	67.5	93.8	88.9	108.9
June	8,391	5,344	7,686	7,607	9,191	98.8	64.6	89.2	88.4	109.3
July	7,144	5,182	7,310	6,750	8,033	87.4	60.3	84.6	78.7	99.1
August	7,543	5,434	6,935	7,487	8,973	85.4	63.8	80.1	87.4	103.5
September	7,506	6,472	7,107	8,257	8,761	93.6	76.4	83.8	98.5	107.0
October	8,407	7,655	7,963	8,367	8,705	95.8	86.2	89.5	98.9	105.3
November	8,022	7,143	7,825	8,483	8,680	96.7	87.8	96.0	101.3	107.2
December	7,152	7,841	8,261	8,585	7,859	87.0	90.7	99.4	100.7	94.3

Source: Bureau of the Census, Department of Commerce.

No. 779.—COTTON SPINDLE ACTIVITY AND CONSUMPTION BY STATES

[NOTE.—All data except as specified are for years ended July 31. See headnote Table 778]

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	Aug. 31, 1911	July 31, 1926	July 31, 1927	1924–25	1925–26	1926–27	1911–1915, average	1916–1920, average	1921–1925, average	1925–26	1926–27
United States	30,804	37,586	36,696	91,055	93,941	102,605	5,257	6 388	5,869	6,456	7,190
The South	11,657	17,875	18,169	55,912	58,518	65,865	2,740	3,579	3,811	4,500	5,194
New England	17,045	17,946	16,872	31,201	31,541	33,052	2,101	2,354	1,732	1,628	1,675
Other States	2,102	1,765	1,655	3,941	3,882	3,688	416	455	326	328	321
Alabama	968	1,470	1,524	4,311	4,785	5,085	275	361	385	494	570
Connecticut	1,270	1,202	1,167	2,530	2,441	2,544	127	138	106	93	104
Georgia	1,981	2,912	2,969	8,954	9,315	10,270	589	812	840	1,013	1,153
Maine	1,067	1,131	1,118	2,176	2,140	2,117	170	184	159	236	136
Massachusetts	10,613	11,417	10,542	18,666	18,938	20,116	1,269	1,432	1,023	946	973
New Hampshire	1,463	1,439	1,430	2,308	2,572	2,745	292	297	206	225	232
New Jersey	483	416	379	1,080	957	757	56	48	43	38	36
New York	964	916	873	1,908	1,921	1,922	199	232	168	164	162
North Carolina	3,354	6,075	6,199	19,607	19,953	23,002	840	1,129	1,197	1,394	1,640
Pennsylvania	280	143	120	314	310	259	48	46	29	30	27
Rhode Island	2,527	2,613	2,469	5,255	5,217	5,197	232	290	228	220	219
South Carolina	4,187	5,355	5,403	18,007	18,826	21,428	743	875	941	1,078	1,246
Tennessee	253	567	588	1,366	1,663	1,945	74	103	108	131	151
Virginia	373	711	711	1,674	1,771	1,839	85	106	112	121	130
All other States	1,021	1,219	1,204	2,898	3,132	3,379	258	335	325	363	411

Source: Bureau of the Census, Department of Commerce.

No. 780.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

[NOTE.—Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds. "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines]

Kind and use	1915	1920	1921	1922	1923	1924	1925	1926	1927
Black blasting powder	7,909	10,195	6,401	7,155	8,078	6,683	6,279	6,307	5,268
Railway and other construction work	290	196	164	310	370	341	382	301	248
Coal mining	6,701	8,791	5,613	6,190	7,020	5,625	5,297	5,444	4,503
Metal mining [1]							138	114	86
Quarrying and nonmetallic mineral mining [1]							240	236	231
Other mining	268	347	185	168	175	144			
All other purposes	650	861	439	487	513	572	221	212	199
High explosives other than "permissible"	235,829	229,112	170,952	209,476	267,405	273,323	286,435	310,518	303,480
Railway and other construction work	22,280	15,053	18,317	22,434	31,930	40,647	39,916	44,982	48,266
Coal mining	22,384	37,273	34,232	25,498	37,829	36,608	26,947	35,229	34,173
Metal mining [1]							102,623	110,374	102,122
Quarrying and nonmetallic mineral mining [1]							71,501	76,186	78,506
Other mining	109,129	89,132	50,977	78,074	105,004	103,836			
All other purposes	82,036	87,654	67,426	83,470	92,642	92,231	45,448	43,747	40,413
"Permissible" explosives	27,350	53,963	41,134	43,430	60,371	55,134	58,353	67,685	63,847
Railway and other construction work	140	267	263	154	324	265	263	242	216
Coal mining	21,842	45,222	38,056	40,198	56,807	52,147	52,256	65,143	60,942
Metal mining [1]							3,533	216	191
Quarrying and nonmetallic mineral mining [1]							838	581	536
Other mining	4,688	3,751	882	1,453	783	515			
All other purposes	681	4,724	1,934	1,625	2,457	2,207	1,463	1,503	1,962

[1] Prior to 1925, included with "Other mining" and "All other purposes."

No. 781.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED IN THE UNITED STATES AND SOLD IN EACH STATE, CALENDAR YEAR, 1927

[NOTE.—See headnote to Table 780]

State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives	State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives
	Kegs [1]	*Pounds*	*Pounds*		*Kegs* [1]	*Pounds*	*Pounds*
Total	5,267,848	303,480,267	63,847,161	Montana	76,969	6,322,644	23,050
				Nebraska	1,922	221,076	----------
Alabama	105,507	8,316,094	4,847,100	Nevada	35,584	3,490,325	200
Alaska	371	2,370,890	87,750	New Hampshire	556	227,675	----------
Arizona	24,025	13,848,385	----------	New Jersey	73	3,368,650	----------
Arkansas	70,353	2,052,145	164,233	New Mexico	13,338	3,097,075	425,800
California	81,720	18,244,403	4,650	New York	12,842	14,507,903	65,450
Colorado	62,846	5,357,886	824,350	North Carolina	30,888	3,860,800	14,300
Connecticut	462	1,453,700	----------	North Dakota	27,917	181,357	29,875
Delaware	32	71,574	----------	Ohio	255,569	10,942,311	223,100
Florida	26,439	9,104,597	----------				
Georgia	18,771	1,865,175	100	Oklahoma	120,667	11,030,270	275,296
				Oregon	20,197	4,778,500	250
Idaho	7,074	4,886,133	8,850	Pennsylvania	1,008,385	45,537,034	31,662,640
Illinois	683,019	7,647,003	2,706,700	Rhode Island	184	117,700	----------
Indiana	492,849	4,085,795	676,000	South Carolina	3,976	825,640	----------
Iowa	142,491	2,697,475	8,650				
Kansas	213,781	7,682,353	331,920	South Dakota	673	1,228,035	3,300
				Tennessee	113,850	3,714,045	320,900
Kentucky	655,272	4,731,360	3,387,800	Texas	75,249	9,275,375	65,100
Louisiana	350	3,358,024	97,750	Utah	18,420	8,100,965	979,745
Maine	2,125	714,025	----------	Vermont	4,325	413,400	----------
Maryland [2]	23,759	2,121,675	141,650				
Massachusetts	1,496	1,293,875	----------	Virginia	64,259	3,648,925	1,224,890
				Washington	44,989	10,926,586	670,625
Michigan	8,940	20,287,150	2,300	West Virginia	509,449	5,450,950	13,460,800
Minnesota	36,290	12,647,527	----------	Wisconsin	4,420	4,874,425	50
Mississippi	2,989	1,554,125	----------	Wyoming	58,314	1,388,300	953,950
Missouri	103,872	9,558,932	158,037				

[1] Kegs of 25 pounds each.

[2] Includes District of Columbia.

Source of Tables 780 and 781: Bureau of Mines, Department of Commerce.

No. 782.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits			Fermented liquors	Year ended June 30—	Distilled spirits			Fermented liquors
	Exclusive of fruit brandy	Fruit brandy	Total			Exclusive of fruit brandy	Fruit brandy	Total	
	1,000 tax gallons.[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels* [2]		*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels* [2]
1905	147,811	5,449	153,259	[3] 49,522	1919	98,976	1,802	100,779	[3] 27,713
1910	156,238	7,656	163,894	[3] 59,545	1920	99,616	1,649	101,265	[3] 9,231
1912	178,250	9,322	187,572	[3] 62,177	1921	86,366	1,531	87,896	[4] 9,220
1913	185,353	8,253	193,606	[3] 65,325	1922	81,086	1,077	82,163	[4] 6,348
1914	174,612	7,308	181,920	[3] 66,189	1923	123,208	1,417	124,626	[4] 5,269
1915	132,134	8,522	140,656	[3] 59,808	1924	136,682	847	137,530	[4] 4,891
1916	249,124	4,159	253,283	[3] 58,634	1925	166,951	548	167,498	[4] 5,119
1917	277,834	8,251	286,085	[3] 60,817	1926	203,166	644	203,810	[4] 4,856
1918	173,476	5,357	178,834	[3] 50,266	1927	185,133	338	185,472	[4] 4,382

[1] In computing taxable gallons, all fractional parts of a gallon less than one-tenth are excluded.
[2] Of not more than 31 gallons.
[3] Includes fermented liquors removed from breweries for export free of tax.
[4] This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 783.—DENATURED ALCOHOL

Year ended June 30—	Alcohol produced at industrial alcohol plants [1]	Denaturing plants	Ethyl alcohol withdrawn for denaturation	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1913		21	16,953,553	5,223,241	4,608,418	9,831,659
1915		23	25,411,719	5,386,647	8,599,822	13,986,469
1917		44	93,762,423	10,508,919	45,170,678	55,679,598
1918		49	90,644,723	10,328,455	39,834,561	50,163,016
1919		45	60,399,309	9,976,721	28,294,219	38,270,940
1920	18,933,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1921	85,068,776	67	38,812,139	12,392,595	9,996,230	22,388,825
1922	79,906,102	77	59,549,920	16,193,524	17,152,224	33,345,748
1923	122,402,850	76	105,819,405	27,128,230	30,436,913	57,565,143
1924	135,897,726	83	121,576,196	34,602,004	33,085,292	67,687,296
1925	166,165,518	91	148,970,221	46,983,970	34,824,303	81,908,273
1926	202,271,670	97	191,670,107	65,881,442	39,494,444	105,375,886
1927	184,323,017	94	170,633,437	56,093,748	39,354,938	95,448,677

[1] Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

No. 784.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

[NOTE.—**All figures in thousands of pounds.** Figures are unstemmed equivalent of all tobacco, stemmed, unstemmed, and scrap. Beginning with 1922 the Commissioner of Internal Revenue converted stemmed tobacco used in the manufacture of cigars and cigarettes to unstemmed at the ratio of 3 pounds stemmed to 4 pounds unstemmed. In previous years conversion was at the ratio of 3 to 5. In the following table figures are given on the new basis beginning 1918. On the old basis the quantity used for cigars in 1918 was calculated at 162,277,000 pounds, and that for cigarettes at 177,379,000 pounds]

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	352,350	87,851	16,235	248,264	1919	625,862	151,503	166,783	307,576
1901–1905	435,194	124,411	12,444	298,339	1920	621,864	168,597	146,907	306,360
1906–1910	495,848	139,206	22,079	334,563	1921	587,391	143,228	158,336	285,827
1911–1915	549,474	153,560	54,225	341,659	1922	619,517	151,709	169,597	298,211
1916–1920	661,633	168,366	155,828	337,440	1923	662,064	159,753	200,395	301,916
1921–1925 [1]	646,035	151,421	198,031	296,545	1924	669,103	153,413	217,700	297,990
1913	558,415	163,006	56,559	338,871	1925	692,099	149,001	244,315	298,783
1917	658,066	169,576	133,506	354,984	1926	712,557	152,372	267,584	292,602
1918	664,974	149,837	146,056	369,081	1927 [2]	717,665	154,501	282,335	280,829

[1] Figures are given on new basis, previous yearly averages are on old basis.
[2] Estimated.

Source of Tables 782, 783, and 784: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 785.—PRODUCTION OF MANUFACTURED TOBACCO

[NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States and do not include cigars and cigarettes manufactured from imported tobacco in bonded manufacturing warehouses, which amounted in 1927 to 30,856,414 and 5,155,764,740, respectively. Large cigars and cigarettes are those weighing more than 3 pounds per thousand]

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking	Snuff	Large	Small	Large	Small
1901–1905	346, 841	[1] 175,981	(1)	11, 903	138, 402	20, 556	6, 513, 095	716, 720	7, 143	3, 227, 602
1906–1910	413, 054	167, 460	13, 524	12, 525	192, 700	26, 845	6, 883, 272	1, 059, 501	16, 113	6, 192, 571
1911–1915	437, 346	158, 529	15, 017	10, 795	222, 263	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	609, 457	115, 445	10, 105	6, 972	239, 151	37, 785	6, 691, 913	557, 300	16, 704	65, 903, 991
1913	443, 875	164, 339	14, 894	10, 935	220, 810	32, 898	7, 571, 508	959, 409	15, 106	15, 555, 693
1918	497, 080	174, 697	17, 499	9, 809	257, 893	37, 180	7, 053, 549	847, 466	23, 414	46, 656, 903
1919	424, 069	141, 038	11, 290	8, 166	228, 567	35, 008	7, 072, 357	713, 236	31, 889	53, 110, 784
1920	412, 630	138, 563	11, 766	8, 681	219, 271	34, 349	8, 096, 759	633, 222	28, 039	47, 430, 105
1921	386, 951	113, 384	9, 261	6, 893	222, 723	34, 690	6, 726, 095	670, 483	14, 518	52, 085, 012
1922	419, 506	120, 174	10, 948	6, 892	243, 355	38, 136	6, 722, 354	632, 907	17, 450	55, 763, 023
1923	412, 777	120, 798	10, 665	7, 141	234, 944	39, 228	6, 950, 247	505, 305	18, 066	66, 715, 830
1924	414, 178	111, 477	9, 902	6, 781	246, 900	39, 029	6, 597, 677	530, 714	16, 054	72, 708, 989
1925	413, 873	111, 391	9, 750	7, 151	247, 740	37, 841	6, 463, 193	447, 089	17, 429	82, 247, 100
1926	410, 596	109, 766	9, 179	6, 985	246, 439	38, 227	6, 498, 641	412, 315	13, 240	92, 096, 974
1927 [2]	394, 075					40, 155	6, 571, 373	436, 180	11, 561	97, 176, 607

State	Number of factories Jan. 1, 1927, making—			Production in 1926 (calendar year)				
	Tobacco and snuff	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	**1, 423**	**8, 427**	**139**	**410, 596**	**6, 498, 641**	**412, 315**	**13, 240**	**92, 096, 974**
California	35	281	8	131	74, 116	----------	45	3, 956, 074
Connecticut	14	164	----------	54	37, 859	----------	----------	----------
Delaware	1	14	----------	2, 356	51, 799	----------	----------	----------
Florida	11	297	3	7	550, 144	----------	----------	3, 887
Illinois	157	941	7	33, 531	100, 812	----------	769	5, 509
Indiana	50	210	----------	412	180, 780	----------	----------	----------
Iowa	42	170	----------	524	33, 499	----------	----------	----------
Kentucky	48	58	1	38, 112	85, 127	----------	----------	459, 060
Louisiana	70	47	1	132	81, 336	----------	----------	5, 493
Massachusetts	32	273	9	422	115, 117	----------	42	5, 353
Michigan	43	280	2	15, 605	295, 777	----------	----------	20, 032
Minnesota	40	189	----------	88	32, 916	----------	----------	----------
Missouri	20	223	1	58, 354	36, 015	2	----------	662
Nebraska	16	54	----------	44	14, 781	----------	----------	----------
New Jersey	28	264	5	14, 797	579, 502	365	1	6, 663, 609
New York	328	1, 838	72	8, 443	612, 057	8, 608	11, 111	7, 654, 020
North Carolina	17	22	7	122, 450	18, 064	45, 689	----------	53, 011, 422
Ohio	100	540	2	56, 693	536, 285	15	10	189
Pennsylvania	183	1, 220	12	4, 506	2, 199, 637	111, 914	413	4, 695, 028
Tennessee	21	33	----------	18, 817	81, 512	----------	----------	----------
Virginia	24	41	7	22, 631	330, 842	108, 699	358	15, 613, 889
West Virginia	9	46	1	11, 366	86, 368	3	----------	2, 745
All other	134	1, 222	1	1, 121	364, 296	137, 021	492	----------

[1] Twist included with plug prior to 1906. [2] Estimates based on sale of stamps by collectors' offices.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 786.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

[NOTE.—All figures except per capita in thousands of pounds. Leaf tobacco used in manufacture given on "new basis," see headnote, Table 784]

	1921	1922	1923	1924	1925	1926	1927
Leaf tobacco consumed in manufacture:							
In registered factories	587, 391	619, 517	662, 064	669, 103	692, 099	712, 557	717, 665
In bond	18, 209	29, 379	34, 305	28, 589	18, 519	19, 059	16, 073
Manufactured tobacco imported:							
From Porto Rico	2, 430	3, 312	3, 878	3, 535	4, 151	3, 564	2, 967
Other countries	2, 248	3, 116	5, 037	3, 894	4, 001	3, 859	3, 498
Exports of manufactured tobacco	35, 957	41, 066	41, 907	37, 060	29, 726	33, 834	26, 356
Remaining for consumption	574, 325	614, 258	663, 377	668, 061	689, 044	705, 205	713, 847
Per capita consumption—pounds	5. 30	5. 59	5. 94	5. 87	5. 97	6. 02	6. 02

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories, from reports of the Division of Customs, Treasury Department.

No. 787.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

[NOTE.—Figures do not include data for installation permits (those for intalling boilers, signs, etc.) which are not strictly building operations but which were included in the figures originally published for 1923 and 1924. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.) rather than the number of permits. The cities shown include all cities having a population of 50,000 or over in 1920, and some cities having a population of 25,000 or over. The estimated cost of buildings authorized in 130 identical cities since 1914 is as follows: 1914, $748,209,763; 1915, $776,228,606; 1916, $980,323,685; 1917, $649,961,875; 1918, $401,565,104; 1919, $1,258,875,108; 1920, $1,342,630,686; 1921, $1,602,232,041; 1922, $2,427,734,079; 1923, $2,959,051,393; 1924, $3,068,161,900; 1925, $3,550,572,815; 1926, $3,336,102,350; and 1927, $2,992,454,182. Buildings authorized by permit are not always actually constructed, and actual cost of those constructed may differ considerably from that originally estimated]

City and State	Total number of buildings					Proposed cost of buildings				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Akron, Ohio	3,629	4,290	5,351	5,024	5,495	7,367	8,759	14,454	15,983	20,196
Albany, N. Y.	3,249	6,764	3,492	2,992	2,684	15,689	12,499	14,704	25,754	16,189
Allentown, Pa.	1,362	1,458	1,588	1,766	1,663	4,804	5,344	8,687	9,218	6,588
Altoona, Pa.	1,913	1,787	1,709	1,548	1,480	3,037	3,268	3,002	3,023	3,041
Atlanta, Ga.	4,576	4,501	3,849	3,784	4,085	26,596	17,976	10,153	17,173	11,861
Atlantic City, N. J.	1,901	1,695	1,786	1,216	1,091	6,716	9,492	11,625	9,255	5,823
Augusta, Ga.	1,806	1,601	1,409	1,436	1,965	1,231	1,210	1,436	1,167	1,459
Baltimore, Md.	20,303	25,684	21,927	22,135	20,625	38,946	46,664	45,458	42,456	28,438
Bayonne, N. J.	714	606	554	429	338	5,456	3,586	3,686	2,876	1,950
Berkeley, Calif.	2,620	3,556	4,280	3,200	2,669	9,159	9,369	10,056	7,334	6,683
Bethlehem, Pa.	510	615	678	767	803	1,946	2,372	6,150	2,151	2,477
Binghamton, N.Y.	2,490	2,057	1,962	1,832	2,441	5,175	4,393	4,497	3,278	4,291
Birmingham, Ala.	5,920	6,363	6,198	5,595	5,392	11,146	18,166	16,662	17,174	21,787
Boston, Mass.	9,297	11,387	10,965	9,815	9,839	40,676	53,032	70,718	51,484	60,987
Bridgeport, Conn.	871	1,399	1,040	1,020	1,145	3,808	2,981	3,719	3,458	5,187
Brockton, Mass.	1,368	1,340	1,075	900	952	2,381	2,437	1,720	1,879	1,433
Brookline, Mass.	532	582	608	533	536	6,567	8,913	9,806	4,951	5,902
Buffalo, N. Y.	9,823	10,508	9,450	7,230	6,605	29,880	28,402	26,774	27,413	33,073
Cambridge, Mass.	1,113	1,202	1,256	1,084	1,057	5,313	8,285	11,711	8,270	9,557
Camden, N. J.	1,761	1,967	2,114	2,246	1,751	8,121	6,338	7,913	6,571	5,330
Canton, Ohio	3,825	3,063	2,635	2,359	1,944	8,440	8,608	8,966	5,321	4,156
Charleston, S. C.	277	234	573	402	433	1,533	217	732	466	586
Chattanooga, Tenn.	2,164	2,149	2,740	3,079	3,006	2,855	2,885	4,977	4,808	4,874
Chester, Pa.	529	578	709	693	664	2,313	2,074	3,442	3,586	2,396
Chicago, Ill.	31,990	34,315	31,954	28,660	26,100	334,164	308,911	373,804	376,808	365,065
Chicopee, Mass.	831	932	960	596	445	2,574	3,516	3,654	1,557	1,117
Cincinnati, Ohio	7,619	7,256	7,802	8,332	8,662	23,365	23,572	31,970	1,557	30,570
Cleveland, Ohio	21,120	16,952	16,128	13,912	12,108	72,450	62,980	67,916	29,257	45,481
Columbus, Ohio	7,073	9,585	7,160	7,046	6,030	22,297	30,995	29,353	25,251	23,283
Council Bluffs, Iowa	981	647	669	498	376	2,901	1,769	1,772	2,022	930
Covington, Ky.	560	743	844	797	726	1,330	2,062	2,915	2,152	1,722
Dallas, Tex.	5,518	5,241	5,283	4,262	3,533	25,231	27,795	28,354	16,123	9,774
Davenport, Iowa	1,523	1,731	853	662	708	3,567	1,820	1,831	1,183	2,053
Dayton, Ohio	4,146	3,420	3,383	2,922	3,118	10,202	9,750	12,484	11,011	10,332
Denver, Colo.	6,231	7,809	7,064	6,152	7,339	19,774	25,175	24,713	13,873	15,755
Des Moines, Iowa	2,541	2,312	2,130	1,383	1,243	8,326	9,220	6,184	5,869	2,876
Detroit, Mich.	35,707	40,682	41,892	40,204	28,104	129,720	160,548	180,133	183,721	145,556
Dubuque, Iowa	623	986	1,067	966	918	1,818	1,613	1,291	1,729	1,288
Duluth, Minn.	2,977	2,632	2,781	2,229	2,453	6,647	7,113	7,059	1,686	4,431
East Orange, N. J.	1,212	1,205	1,264	1,306	1,134	4,830	6,789	7,495	9,035	12,313
East St. Louis, Ill.	1,393	1,270	1,519	1,325	1,200	2,852	3,285	5,081	4,469	5,563
Elizabeth, N. J.	1,419	1,467	1,766	1,119	1,454	5,946	6,594	8,998	11,166	10,923
El Paso, Tex.	752	328	793	642	1,162	2,303	1,359	2,217	1,202	1,793
Erie, Pa.	1,944	2,259	2,241	2,062	1,956	4,252	6,949	8,538	6,091	5,393
Evansville, Ind.	2,373	2,940	1,885	2,278	1,861	4,045	3,334	3,270	4,468	3,416
Everett, Mass.	738	741	725	660	667	1,459	3,764	2,194	3,485	2,098
Fall River, Mass.	1,602	1,180	1,302	809	842	5,274	4,451	3,796	2,156	1,841
Fitchburg, Mass.	602	669	685	452	318	1,113	1,618	2,128	1,564	638
Flint, Mich.	7,677	4,750	4,388	6,487	8,785	10,955	8,943	6,274	13,029	22,087
Fort Wayne, Ind.	2,852	3,098	2,759	2,565	1,844	11,995	11,488	10,923	7,751	6,002
Fort Worth, Tex.	2,975	2,463	2,291	4,271	4,812	8,475	11,081	8,434	19,402	28,484
Galveston, Tex.	1,082	2,256	2,859	2,906	2,551	1,000	2,575	1,703	3,201	2,974
Gary, Ind.	1,171	2,089	2,717	3,305	2,857	4,281	9,059	13,058	22,074	15,017
Grand Rapids, Mich.	4,565	5,953	6,471	9,610	8,386	9,925	9,460	12,187	16,869	12,319
Hamilton, Ohio	670	1,014	1,118	993	632	1,456	2,199	2,208	2,529	1,783

No. 787.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Harrisburg, Pa	984	1,055	1,039	1,091	1,037	9,411	6,866	3,385	4,333	3,569
Hartford, Conn	2,292	2,691	2,717	3,100	2,321	11,364	18,126	21,804	16,217	17,530
Haverhill, Mass	570	348	323	358	371	1,026	714	667	845	910
Hoboken, N. J	236	186	268	248	271	678	705	1,749	1,230	1,520
Holyoke, Mass	660	803	726	489	432	2,698	3,291	3,413	2,607	2,044
Houston, Tex	6,924	6,991	6,598	5,887	5,880	19,117	17,217	35,041	28,498	27,326
Huntington, W.Va	1,982	2,375	1,817	763	509	5,208	9,028	5,414	1,840	1,547
Indianapolis, Ind	14,042	15,093	14,053	11,706	13,572	26,313	23,910	24,840	19,030	23,682
Jackson, Mich	1,128	1,306	1,334	1,305	1,201	2,329	1,602	2,599	4,180	2,576
Jacksonville, Fla	3,034	3,169	3,778	5,823	5,002	7,433	7,186	14,601	20,789	12,768
Jersey City, N. J	1,898	2,126	2,061	1,833	1,554	21,541	19,576	24,989	20,903	13,852
Johnstown, Pa	699	948	(1)	1,035	672	8,164	6,530	(1)	3,913	1,386
Kalamazoo, Mich	1,331	1,273	1,421	1,394	1,494	1,953	1,612	2,053	1,984	2,223
Kansas City, Kans	1,950	1,768	2,121	1,714	1,163	4,515	3,985	3,737	2,520	1,587
Kansas City, Mo	6,244	5,221	6,386	3,899	2,919	25,762	21,865	38,256	21,576	14,822
Kenosha, Wis	1,217	1,190	1,641	1,770	963	5,010	4,458	4,640	5,122	4,468
Knoxville, Tenn	3,353	3,459	2,691	2,414	2,470	6,588	6,512	6,329	10,710	5,699
Lakewood, Ohio	2,497	1,866	1,378	901	870	12,149	8,613	7,317	4,293	3,516
Lancaster, Pa	1,123	1,257	899	717	856	3,784	4,748	4,132	2,328	3,005
Lansing, Mich	2,250	2,122	1,629	1,689	1,301	6,304	5,663	5,369	4,493	7,330
Lawrence, Mass	1,156	660	534	370	261	7,769	3,939	3,005	1,729	913
Lincoln, Nebr	1,319	1,239	1,621	1,151	1,068	3,204	3,115	7,007	5,936	4,399
Little Rock, Ark	2,563	2,252	2,218	2,186	2,008	3,483	4,331	5,108	6,888	2,994
Long Beach, Calif	5,737	4,861	4,538	3,667	4,197	23,698	19,751	12,61	8,565	13,639
Los Angeles, Calif	62,548	51,134	43,979	37,478	37,655	200,133	150,148	152,646	J23,006	123,027
Louisville, Ky	5,212	4,673	5,109	4,059	3,278	15,926	18,663	29,504	20,252	23,341
Lowell, Mass	1,585	817	1,105	853	787	4,024	1,577	2,624	1,578	971
Lynn, Mass	1,132	1,233	1,404	1,390	1,265	3,919	3,853	4,683	4,612	3,878
McKeesport, Pa	611	813	950	2,309	1,905	1,086	2,306	2,384	2,525	2,356
Macon, Ga	1,951	1,495	1,628	2,085	1,943	1,467	1,754	1,730	1,739	2,886
Malden, Mass	807	876	880	860	866	2,358	3,569	3,006	3,611	3,800
Manchester, N. H	1,607	1,463	1,315	1,047	1,189	1,982	2,649	2,361	1,373	1,940
Medford, Mass	951	1,083	1,195	1,291	1,109	3,480	4,326	5,596	5,759	4,371
Memphis, Tenn	4,021	5,068	4,728	4,795	4,017	17,434	19,271	15,316	15,332	12,403
Milwaukee, Wis	8,685	8,386	7,960	8,327	8,609	34,110	37,442	31,477	3,814	37,748
Minneapolis, Minn	11,076	9,570	9,948	8,090	6,791	32,964	22,726	29,446	20,609	22,430
Mobile, Ala	686	960	831	690	872	1,149	1,300	2,638	1,816	2,146
Montgomery, Ala	992	869	1,072	1,015	1,444	920	794	1,012	1,626	2,531
Mt. Vernon, N. Y	924	945	939	913	962	5,604	10,445	10,877	24,827	16,775
Nashville, Tenn	2,915	2,701	1,907	2,210	2,097	10,239	5,528	6,386	5,243	7,078
Newark, N. J	4,704	4,850	4,548	4,518	3,998	35,756	41,756	39,607	41,198	51,452
New Bedford, Mass	1,475	1,158	1,083	830	1,422	8,551	6,925	8,297	2,269	2,167
New Britain, Conn	1,167	1,263	1,473	1,559	1,437	3,381	6,132	7,717	5,789	4,104
New Haven, Conn	2,596	2,166	1,921	2,386	1,514	12,739	8,376	8,075	19,467	11,741
New Orleans, La	3,033	2,773	2,580	2,152	2,433	13,988	16,979	16,345	18,586	15,897
New Rochelle, N. Y	1,028	1,066	1,031	983	905	6,358	8,276	9,410	8,154	9,736
New York, N. Y.:										
Borough of Brooklyn	31,351	30,700	27,696	26,064	22,431	280,736	238,614	255,226	283,659	220,969
Borough of Bronx	12,224	8,094	7,962	10,348	11,864	132,709	131,507	157,134	214,580	172,588
Borough of Manhattan	3,733	4,143	4,066	3,880	3,832	204,032	286,643	398,931	341,256	290,321
Borough of Queens	26,659	26,568	30,911	28,748	26,579	158,490	163,536	196,217	186,174	184,438
Borough of Richmond	3,587	4,079	3,484	3,350	3,671	13,299	15,744	13,096	14,002	12,017
Niagara Falls, N. Y	1,236	1,256	1,471	1,368	1,343	5,536	5,149	6,715	4,244	4,791
Norfolk, Va	1,943	1,755	1,594	1,388	1,464	5,327	6,484	2,898	2,772	3,347
Oakland, Calif	11,290	11,898	13,082	9,979	7,027	27,157	30,937	38,964	27,728	20,518
Oak Park, Ill	1,442	1,275	1,095	960	1,020	10,092	9,750	8,085	6,470	9,081
Oklahoma City, Okla	2,437	2,369	2,576	2,459	3,168	7,949	8,053	5,777	7,723	12,682
Omaha, Nebr	2,845	2,852	2,905	1,490	1,035	13,002	12,269	14,652	9,926	4,567
Passaic, N. J	957	1,000	769	766	987	3,702	4,424	14,652	3,337	5,603
Paterson, N. J	3,174	2,694	2,449	2,377	2,458	10,735	7,726	6,659	7,463	6,370
Pawtucket, R. I	1,297	1,141	1,345	1,111	1,140	4,914	3,696	7,709	3,724	3,587
Peoria, Ill	1,638	1,692	1,785	1,459	1,492	3,767	4,750	5,566	5,685	3,410

1 Data not received.

No. 787.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Philadelphia, Pa	21,011	23,595	24,949	17,805	19,082	128,227	141,403	171,034	140,093	117,591
Pittsburgh, Pa	8,310	8,619	8,444	7,747	7,869	33,426	32,155	52,272	43,790	37,111
Portland, Me	1,251	1,422	1,271	1,156	1,368	4,524	3,112	2,002	4,222	2,327
Portland, Oreg	14,463	15,276	15,196	13,256	11,294	25,215	29,219	38,476	32,589	28,973
Portsmouth, Va	450	466	442	370	403	692	1,106	778	557	463
Providence, R. I	6,416	6,512	7,025	5,297	5,442	22,472	29,302	23,196	23,188	23,133
Pueblo, Colo	881	1,282	1,266	1,051	1,445	898	1,686	2,346	1,246	1,625
Quincy, Ill	285	279	454	421	435	1,237	1,544	1,257	1,328	1,073
Racine, Wis	1,028	1,043	1,295	1,306	1,373	2,914	3,432	5,265	4,067	6,391
Reading, Pa	3,289	3,123	2,805	2,542	2,367	4,382	6,069	6,814	5,267	4,614
Richmond, Va	3,745	3,837	3,522	3,217	3,891	15,642	13,613	19,398	10,025	15,216
Roanoke, Va	1,931	1,636	1,534	1,456	1,156	4,057	4,144	3,425	4,568	2,584
Rochester, N. Y	7,445	7,199	6,864	5,838	5,665	22,825	28,319	28,097	21,637	22,589
Rockford, Ill	1,596	1,862	1,959	1,946	2,116	3,751	4,103	6,476	5,539	6,553
Sacramento, Calif	3,349	3,184	2,991	2,486	2,267	9,677	7,595	11,324	7,699	8,814
Saginaw, Mich	2,087	2,171	1,844	1,663	1,426	1,846	2,844	2,935	3,085	3,611
St. Joseph, Mo	1,017	839	765	688	659	1,821	1,351	2,264	1,342	769
St. Louis, Mo	15,553	15,900	15,391	13,654	13,035	41,352	39,766	55,057	42,739	41,417
St. Paul, Minn	6,218	6,078	6,234	5,414	4,772	29,915	20,771	2,167	15,591	10,071
Salem, Mass	920	1,000	811	757	774	1,239	3,098	2,167	2,110	2,727
Salt Lake City, Utah	1,529	1,534	1,603	1,162	1,000	6,396	5,358	5,845	5,627	4,856
San Antonio, Tex	3,676	3,904	3,803	3,239	3,461	8,022	9,207	9,432	12,072	12,190
San Diego, Calif	4,749	7,004	7,746	7,930	6,652	11,999	15,009	18,061	19,831	13,877
San Francisco, Calif	8,777	7,572	8,087	7,385	6,932	46,348	57,603	50,093	57,154	46,449
Savannah, Ga	553	768	622	682	611	1,460	2,257	1,654	2,931	2,180
Schenectady, N. Y	1,682	2,034	1,583	1,082	1,192	5,973	8,131	7,160	4,010	4,318
Scranton, Pa	1,465	1,396	1,363	776	1,141	3,843	5,320	5,985	3,141	5,707
Seattle, Wash	10,338	10,471	11,803	10,924	9,906	22,951	27,212	30,627	34,218	29,070
Shreveport, La	3,358	3,383	2,951	2,969	2,426	9,451	8,064	5,435	5,357	3,946
Sioux City, Iowa	1,228	1,471	1,436	964	741	3,328	4,669	3,611	4,266	1,868
Somerville, Mass	999	1,040	1,067	1,044	822	3,185	3,306	5,653	5,066	3,386
South Bend, Ind	5,284	3,611	2,983	4,274	2,406	13,322	5,360	8,445	9,753	4,889
Spokane, Wash	2,506	2,437	2,749	2,418	2,142	2,487	3,288	4,367	4,191	3,657
Springfield, Ill	1,410	2,107	1,726	1,357	1,134	3,750	6,198	5,527	5,251	3,770
Springfield, Mass	2,639	3,116	2,765	2,275	1,954	10,973	13,100	15,002	8,734	8,906
Springfield, Ohio	1,324	1,196	1,215	1,174	945	1,737	1,924	1,543	1,447	1,694
Stockton, Calif	1,734	1,454	1,519	1,191	1,166	3,875	4,112	3,814	2,731	2,803
Superior, Wis	885	797	891	651	490	848	1,371	3,223	2,136	1,277
Syracuse, N. Y	3,746	3,615	3,546	3,394	3,961	10,228	9,467	11,920	14,274	21,990
Tacoma, Wash	4,372	4,064	3,759	4,555	2,453	5,500	8,368	7,074	11,088	4,765
Tampa, Fla	2,428	4,039	7,020	8,350	4,755	3,681	6,573	22,759	15,480	6,145
Terre Haute, Ind	1,936	2,380	1,897	1,755	1,586	2,226	2,712	1,536	2,064	1,213
Toledo, Ohio	7,486	7,047	6,349	6,034	6,192	15,839	15,812	15,503	13,046	15,514
Topeka, Kans	1,550	1,554	1,484	1,393	1,231	4,806	2,598	3,176	3,579	2,222
Trenton, N. J	2,313	2,296	2,377	1,476	1,353	7,034	5,751	7,923	4,931	4,540
Troy, N. Y	615	1,000	896	808	935	2,284	4,236	3,002	2,602	3,206
Tulsa, Okla	1,962	2,117	2,746	2,358	3,466	7,478	7,984	10,016	7,230	14,792
Union City, N. J.[2]	411	402	652	862	1,075	1,357	1,373	1,768	1,933	3,410
Utica, N. Y	2,603	1,102	1,024	876	672	6,753	7,775	5,157	5,532	3,381
Washington, D. C	8,296	8,927	10,805	9,324	6,954	50,754	48,090	65,490	64,970	39,263
Waterbury, Conn	1,038	1,295	1,109	1,231	1,287	2,772	3,984	5,088	5,252	5,016
Wheeling, W. Va	1,378	1,468	1,166	977	1,081	3,975	5,147	4,263	1,821	3,014
Wichita, Kans	3,361	2,907	2,341	2,278	2,322	6,512	4,293	5,042	5,184	5,849
Wilkes-Barre, Pa	1,144	1,706	1,560	1,405	1,376	2,759	4,522	3,901	3,941	4,934
Wilmington, Del	2,085	1,782	1,630	2,118	1,924	3,745	3,776	3,987	4,871	6,806
Worcester, Mass	3,036	3,403	3,133	2,820	2,381	11,149	14,768	18,089	12,985	8,815
Yonkers, N. Y	1,041	1,385	1,762	1,855	2,005	10,544	13,289	19,899	25,644	32,586
York, Pa	1,325	1,659	1,078	870	718	1,963	2,941	3,263	1,242	1,589
Youngstown, Ohio	2,404	3,054	2,813	2,465	2,291	5,791	11,942	11,953	9,614	9,007

[2] Formerly West Hoboken.

Source: Bureau of Labor Statistics, Department of Labor.

No. 788.—BUILDING PERMITS ISSUED, BY CLASSES

[NOTE.—See headnote, Table 787. Figures for 1926 and 1927 represent 292 identical cities, while those for 1925 are for 272 cities only]

Class of building	Number of buildings			Proposed cost (thousands of dollars)		
	1925	1926	1927	1925	1926	1927
All buildings	562, 627	506, 861	436, 677	3, 810, 207	3, 623, 987	3, 213, 206
Residential buildings	296, 935	251, 496	206, 772	2, 464, 380	2, 292, 577	1, 945, 611
1-family dwellings	234, 899	200, 373	162, 499	1, 073, 124	938, 578	778, 308
2-family dwellings	38, 756	29, 860	25, 086	324, 480	250, 795	207, 262
1-family and 2-family dwellings with stores	5, 784	4, 169	3, 320	58, 855	44, 105	34, 888
Multi-family dwellings	15, 109	14, 993	13, 612	709, 421	793, 497	734, 225
Multi-family dwellings with stores	1, 771	1, 502	1, 769	76, 564	81, 162	89, 901
Hotels	342	306	201	171, 798	145, 278	69, 393
Lodging houses	120	60	77	1, 138	808	1, 294
Other	204	233	208	49, 000	38, 354	30, 339
Nonresidential buildings	265, 642	255, 365	229, 905	1, 345, 827	1, 331, 410	1, 267, 595
Amusement buildings	1, 047	963	941	116, 284	135, 480	127, 899
Churches	1, 242	1, 188	1, 108	63, 363	66, 698	58, 639
Factories and workshops	4, 986	4, 855	4, 139	173, 288	179, 854	139, 223
Public garages	4, 960	4, 456	4, 166	88, 112	75, 510	74, 124
Private garages	209, 086	197, 106	180, 174	88, 221	78, 100	64, 944
Service stations	1, 095	4, 250	4, 861	12, 982	15, 305	14, 856
Institutions	254	290	329	53, 429	49, 630	74, 874
Office buildings	1, 876	1, 711	1, 266	263, 895	262, 563	242, 078
Public buildings	300	277	334	23, 570	31, 681	46, 150
Public works and utilities	615	779	583	43, 890	43, 829	44, 814
Schools and libraries	1, 038	886	820	163, 028	152, 729	153, 977
Sheds	17, 243	16, 523	13, 543	7, 475	7, 356	5, 048
Stables and barns	565	507	339	1, 301	845	805
Stores and warehouses	15, 732	15, 702	13, 096	243, 091	216, 381	213, 022
All other	2, 603	5, 872	4, 206	8, 897	15, 447	7, 142

Source: Bureau of Labor Statistics, Department of Labor.

No. 789.—BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

Year or month	(1) All commodity index	(1) Wholesale price indexes of— All building materials	Lumber	Brick, common (average 82 yards)	Cement f. o. b. plant near Chicago	Structural steel	All other building materials	(2) Construction costs [1]	(3) Factory building costs [2]	(4) Frame house materials, retail prices [3]	(4) Brick house materials, retail prices [3]
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	------	100.0	100.0
1914	98.1	92.0	91.6	98.7	91.2	77.8	95.1	88.6	100.0	------	------
1915	100.8	94.0	89.4	99.2	96.0	84.7	101.9	92.6	------	------	------
1916	126.8	120.3	102.0	107.7	117.5	167.2	137.1	147.4	------	------	------
1917	177.2	157.0	134.6	131.8	151.5	247.5	171.5	181.2	------	------	------
1918	194.3	172.0	155.4	175.8	164.7	198.6	189.3	189.2	------	------	------
1919	206.4	201.4	210.4	206.3	164.5	166.9	195.4	198.4	------	------	------
1920	226.2	264.1	307.5	278.9	178.3	187.3	218.3	251.3	------	------	------
1921	146.9	165.4	163.5	232.0	164.4	135.3	169.0	201.8	179.0	------	------
1922	148.8	168.4	183.4	201.7	159.3	114.8	155.9	174.5	170.0	181.6	185.6
1923	153.7	189.1	206.5	213.5	170.4	160.4	168.8	214.1	202.0	206.6	208.3
1924	149.7	175.1	182.9	212.8	172.3	148.0	166.9	215.4	198.0	201.3	203.4
1925	158.7	175.1	185.4	206.2	170.9	132.5	167.0	206.7	195.0	195.4	196.6
1926	151.0	173.4	185.3	204.8	163.2	129.7	162.9	208.0	197.0	194.6	194.8
1927	146.8	162.6	173.4	206.4	158.6	122.8	151.8	206.2	192.0	187.0	188.1
1926											
March	151.5	175.5	189.4	205.7	163.2	129.1	162.9	207.7	195.0	196.2	197.0
June	152.3	171.2	183.4	204.3	163.2	122.5	161.2	204.8	199.0	195.3	196.0
September	150.5	172.4	182.3	205.0	163.2	132.4	163.7	208.3	197.0	193.8	193.4
December	147.2	172.7	184.6	203.9	163.2	132.4	161.3	210.8	197.0	189.4	190.0
1927											
March	145.3	166.8	179.0	207.5	158.3	125.8	154.5	208.8	193.0	191.0	190.0
June	143.7	164.3	176.2	206.5	158.3	122.5	152.4	205.6	192.0	190.0	189.3
September	149.3	159.3	168.5	205.7	158.3	120.9	150.0	203.6	191.0	183.9	186.6
December	149.1	156.0	164.0	204.7	158.3	119.2	148.2	203.9	191.0	182.1	187.2

[1] Based upon the cost of steel, cement, lumber, and rates paid common labor. The prices are weighted on the basis of the total production of steel, cement, and lumber, and the total supply of common labor.
[2] Designed to show the relative changes in the cost of constructing a standard concrete factory building.
[3] Prices of materials entering into the construction of a six-room house in 45 cities.

Sources: (1) Bureau of Labor Statistics; (2) Engineering News-Record; (3) Aberthaw Construction Co.; (4) Division of Housing, Department of Commerce.

No. 790.—BUILDING CONTRACTS AWARDED

[NOTE.—Covering small towns and rural districts as well as large cities. Certain public works (roads, etc.) not in the nature of buildings, have no floor space reported. The 36 States include all except Washington, Idaho, Montana, Oregon, Utah, Wyoming, Nevada, California, Arizona, New Mexico, and Texas, and comprise about seven-eighths of the total building contracts in the United States. The totals for the 27 States prior to 1919 cover only industrial and residential buildings]

[Values are in thousands of dollars; floor space in thousands of square feet]

Class	27 Northern and Eastern States [1]						
	1913	1914	1915	1916	1917	1918	1919
Value of contracts	857,700	720,040	940,092	1,356,984	1,618,157	1,689,240	2,579,881
Industrial buildings			106,944	182,544	248,016	482,424	512,924
Residential buildings			417,984	483,300	354,576	304,572	849,206
Floor space in buildings:							
Industrial			63,696	96,600	108,504	180,904	153,268
Residential			228,000	218,004	150,996	104,000	241,880

Class	1920	1921	1922	1923	1924	1925	1926	1927
Number of projects	57,851	78,237	107,852	105,455	109,053	132,109	132,338	143,989
Commercial	10,752	10,129	12,636	12,713	12,172	13,925	14,728	16,058
Industrial	6,137	3,288	3,876	4,051	3,403	4,275	4,620	4,557
Residential	28,966	49,418	72,996	71,526	77,714	96,822	93,722	100,138
Educational	2,027	2,727	3,301	2,768	2,793	2,960	2,935	3,362
Public works	6,406	8,452	10,427	10,483	8,673	9,125	10,885	13,451
All other	3,563	4,223	4,416	3,904	4,238	5,002	5,448	6,423
Floor space, buildings	401,794	387,229	573,856	591,978	600,916	762,146	741,270	723,655
Commercial	82,434	65,235	95,233	92,788	95,861	124,064	121,039	118,940
Industrial	127,830	35,771	65,550	62,205	40,967	58,719	67,764	58,052
Residential	137,524	204,575	311,407	354,257	371,268	470,207	450,249	434,856
Educational	26,278	40,583	54,592	44,332	46,875	51,204	44,478	45,197
All other	27,727	41,066	47,076	38,396	45,945	57,951	57,741	66,612
Value of contracts	2,533,224	2,360,189	3,352,657	3,494,118	3,879,538	5,048,028	5,421,677	5,473,161
Commercial	419,053	338,028	496,300	446,124	522,234	717,253	784,145	834,425
Industrial	588,965	173,316	325,000	378,815	285,137	413,321	592,326	376,761
Residential	566,123	877,870	1,347,157	1,582,751	1,842,463	2,359,907	2,338,838	2,326,942
Educational	172,299	243,652	303,347	272,529	317,147	369,490	321,125	323,780
Public works	566,345	459,356	562,166	557,368	577,327	704,113	861,262	1,025,444
All other	219,839	267,967	318,687	256,531	335,228	478,945	523,981	585,809

Class and month	36 States							
	Floor space in buildings				Value of contracts			
	1924	1925	1926	1927	1924	1925	1926	1927
Total	699,320	687,550	838,430	803,546	4,485,791	5,822,240	6,151,994	6,083,950
Commercial	113,040	151,062	142,357	133,142	596,343	835,673	880,102	897,170
Industrial	50,033	67,478	78,790	68,094	355,269	462,741	677,106	475,616
Residential	422,285	540,509	498,927	474,279	2,050,093	2,671,970	2,579,327	2,489,588
Educational	58,241	58,700	52,207	53,062	367,439	413,204	367,059	368,803
Public works					723,911	885,732	1,068,239	1,213,253
All other	55,723	69,801	66,148	74,970	392,736	552,920	580,161	639,521
January	55,857	47,632	62,341	50,111	301,952	296,473	443,373	368,930
February	54,410	46,179	52,244	51,788	299,929	299,260	391,723	381,286
March	77,803	73,269	81,421	81,933	433,340	480,916	602,800	595,874
April	72,695	81,843	82,808	79,274	480,097	546,971	552,253	583,766
May	68,332	78,290	79,819	69,882	419,273	496,024	520,706	530,762
June	56,699	76,273	73,352	73,812	387,521	540,610	523,011	612,111
July	49,673	81,772	65,688	64,444	347,184	529,000	501,380	513,926
August	49,696	88,146	71,589	69,166	354,443	589,690	579,046	534,639
September	51,293	81,708	71,535	64,145	344,316	548,217	544,528	505,830
October	54,616	81,051	68,740	73,468	410,091	519,523	499,366	549,152
November	54,924	76,715	67,663	65,325	379,660	464,683	473,700	443,507
December	53,321	74,671	61,229	60,197	327,986	510,868	520,108	464,167

[1] Prior to May, 1921, 25 States.

Source: F. W. Dodge Corporation.

No. 791.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

[NOTE.—The number of patents granted prior to July 28, 1836, was 9,957]

Calendar year or period	Patent applications [1]	Caveats filed [2]	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836–1850 [3]	14,062	4,763	8,387	7,864	340	183			
1851–1860	44,302	9,571	25,087	23,140	1,025	922			
1861–1870	126,763	22,228	85,910	79,612	3,181	3,117	121	121	
1871–1880	206,436	29,350	138,355	125,520	7,535	5,300	10,394	8,016	2,378
1881–1890	352,475	25,012	217,821	207,850	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	[4] 1,891
1901–1905	253,417	9,168	148,291	143,791	3,953	547	18,590	12,768	5,822
1906–1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911–1915	350,937		194,387	186,241	7,295	851	32,381	27,369	5,012
1916–1920	368,236		207,108	197,644	8,486	978	35,364	30,681	4,683
1921–1925	426,597		217,525	203,977	12,326	1,222	79,288	68,881	10,407
1901	46,449	1,842	27,373	25,558	1,734	81	2,965	1,928	1,037
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,967	36,620	35,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191	838
1909	65,839	1,948	37,421	36,574	687	160	4,824	4,184	640
1910	64,629	970	35,930	35,168	639	123	4,729	4,239	490
1911	69,121		34,084	32,917	1,010	157	5,112	4,205	907
1912	70,976		37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367		35,788	33,941	1,683	164	6,063	5,065	998
1914	70,404		41,850	39,945	1,715	190	7,874	6,817	1,057
1915	70,069		44,934	43,207	1,545	182	7,436	6,262	1,174
1916	71,033		45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373		42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615		39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400		38,598	36,872	1,523	203	4,874	4,208	666
1920	86,815		39,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328		41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930		40,297	38,414	1,627	256	14,992	12,793	2,199
1923	79,058		40,787	38,634	1,927	226	16,725	14,845	1,880
1924	80,756		45,500	42,594	2,671	235	17,562	15,749	1,813
1925	84,525		49,540	46,450	2,824	266	16,404	13,840	2,564
1926	86,028		47,627	44,750	2,602	275	[5] 21,819	[5] 19,246	2,573
1927	92,018		44,444	41,731	2,387	326	[5] 20,548	[5] 17,649	2,899

[1] Including patents, designs, and reissues.
[2] Caveat law repealed June 25, 1910.
[3] July 28, 1836, to Dec. 31, 1850.
[4] Registration of labels suspended from May 27, 1891, to June 9, 1896.
[5] Figures include 4,282 renewals in 1926 and 3,063 in 1927.

Source: Reports of the Commissioner of Patents.

SUPPLEMENT TO PRICE AND POWER SECTIONS

NO. 792.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: REVISED INDEX NUMBERS, BY MONTHS, 1913 TO 1924

[NOTE.—For explanation of indexes see general note, p. 317. For yearly averages, 1913 to 1927, and monthly data, January, 1925, to June, 1928, see Table 336, p. 320]

[1926=100]

Year and month	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House-furnishing goods	Miscellaneous
1913											
January	70.3	69.6	63.5	68.1	57.6	65.4	97.1	57.2	80.4	55.9	98.0
February	69.8	69.4	62.9	68.1	57.8	62.5	95.7	57.6	80.5	55.9	97.0
March	69.9	69.7	63.1	67.8	57.9	60.9	94.9	58.0	80.3	55.9	95.7
April	69.7	69.5	63.0	67.9	57.7	60.0	94.7	58.2	80.5	55.9	92.5
May	68.9	69.1	62.2	67.0	57.2	59.2	94.2	58.0	80.3	55.9	91.4
June	69.0	69.8	62.9	67.0	57.0	59.0	92.7	57.5	80.1	55.9	92.2
July	69.5	71.6	64.8	66.7	57.0	59.6	91.2	56.3	80.0	55.9	91.3
August	69.7	72.3	65.5	67.5	56.8	61.0	87.1	56.2	79.7	55.9	92.8
September	70.6	74.5	66.1	68.1	57.2	61.8	87.5	56.3	80.2	55.9	94.3
October	70.4	74.6	65.7	69.1	57.4	62.1	87.2	55.6	80.2	56.7	92.7
November	70.1	75.0	66.4	69.6	57.2	62.8	85.4	55.1	80.0	56.7	89.6
December	69.1	73.4	65.4	69.8	56.6	60.8	82.3	54.7	79.6	56.7	89.8
1914											
January	68.6	73.0	64.2	69.3	55.9	61.2	82.1	53.3	79.4	56.6	88.7
February	68.3	72.5	63.1	69.5	55.8	60.3	82.5	53.7	78.8	56.6	89.5
March	68.0	72.1	62.0	69.8	55.7	60.4	82.2	53.9	78.7	56.6	89.6
April	67.6	71.5	60.7	70.2	55.8	59.9	81.7	53.5	78.4	56.6	89.9
May	67.4	71.4	61.0	70.3	55.8	57.9	80.2	53.1	78.3	56.6	90.5
June	67.4	71.6	62.2	71.1	55.7	56.7	79.7	53.0	78.0	56.6	87.9
July	67.3	71.4	62.9	69.7	55.3	55.7	79.1	52.9	77.9	56.7	88.1
August	69.6	72.5	68.8	70.7	55.3	55.1	79.7	53.4	78.5	56.7	88.7
September	70.2	71.2	70.2	71.5	54.6	54.7	80.4	53.0	87.2	56.7	92.9
October	68.0	68.3	68.1	72.0	53.1	52.9	78.7	51.6	87.3	56.4	89.4
November	67.5	69.8	67.5	72.7	51.5	51.8	77.6	50.8	87.1	56.4	90.0
December	67.3	69.0	66.7	74.3	50.9	52.1	78.3	50.5	86.6	56.1	93.7
1915											
January	68.1	71.6	66.6	75.1	50.5	52.0	78.1	50.6	87.7	55.0	95.5
February	68.6	72.8	66.7	75.5	51.0	51.2	80.3	51.3	92.7	55.3	87.2
March	68.2	71.3	65.6	75.6	52.0	49.2	81.8	51.3	93.6	55.4	86.6
April	68.7	72.0	65.4	73.4	53.0	48.5	82.9	51.7	102.7	55.7	86.6
May	69.0	72.3	65.1	73.6	53.2	48.4	86.6	52.7	97.9	56.0	84.8
June	68.3	70.3	64.0	74.3	53.2	48.2	88.9	53.0	101.7	56.0	85.1
July	69.3	71.7	64.7	74.7	53.4	47.9	91.0	53.3	112.9	56.2	86.0
August	68.6	71.0	63.5	76.0	53.9	49.4	86.1	53.1	116.8	56.1	85.7
September	68.3	69.2	62.7	75.7	54.7	52.1	86.7	53.3	122.7	56.2	84.6
October	70.2	71.8	65.2	76.5	56.5	54.4	87.4	55.5	127.3	56.4	85.2
November	71.7	71.5	67.5	77.4	58.3	57.4	89.8	57.2	139.2	56.5	85.8
December	74.0	73.1	68.5	78.0	60.0	62.2	95.5	58.9	149.0	56.7	89.6
1916											
January	77.0	76.9	67.9	78.5	62.6	67.3	102.2	61.7	165.6	58.3	95.0
February	78.5	77.0	68.3	80.5	65.0	67.8	107.0	63.7	176.0	59.0	92.8
March	80.4	76.9	70.0	83.1	66.4	68.6	113.4	66.3	175.8	59.1	96.0
April	81.7	77.9	71.1	83.9	66.5	68.8	117.9	67.4	174.9	59.3	96.4
May	82.5	78.5	71.7	88.8	66.9	67.8	119.9	67.6	172.7	60.4	96.7
June	82.9	78.2	73.0	91.8	67.1	68.8	118.0	67.4	166.3	60.7	99.9
July	83.4	80.4	74.5	91.7	69.4	68.8	115.2	67.3	156.3	61.9	99.6
August	85.1	86.1	76.8	92.1	71.7	68.1	113.8	67.5	146.1	62.1	100.7
September	86.9	89.5	79.0	93.2	72.4	68.8	115.5	68.1	143.3	62.2	102.3
October	91.1	93.9	83.6	99.3	75.9	77.2	117.6	69.7	147.9	63.4	106.2
November	97.4	100.3	87.4	113.0	78.8	99.3	121.6	70.9	150.0	64.9	108.9
December	99.2	99.0	85.3	124.5	82.5	100.6	135.2	73.9	152.2	65.0	112.8
1917											
January	102.1	103.9	86.5	129.2	84.1	107.8	134.3	76.8	151.5	68.2	118.1
February	104.5	107.7	89.2	128.9	84.1	112.4	138.2	78.4	150.6	68.3	118.8
March	107.7	113.3	92.1	127.8	84.7	108.3	144.5	80.4	154.7	69.3	121.2
April	114.1	125.1	102.1	127.9	88.1	99.9	150.9	87.0	156.5	70.0	124.7
May	120.7	133.4	108.6	126.6	91.5	113.4	155.1	89.9	160.4	71.0	124.6
June	122.0	134.0	106.6	123.1	96.5	114.5	166.6	94.8	160.8	72.6	125.5
July	123.0	134.9	105.3	122.7	102.7	107.2	178.4	94.4	164.4	77.2	124.1
August	124.8	137.1	109.4	120.5	106.5	106.8	174.1	94.1	168.3	77.2	124.4
September	123.5	135.9	111.0	118.1	106.9	97.9	165.6	94.6	175.5	78.4	123.4
October	122.2	139.5	114.9	118.0	108.9	95.5	139.4	88.7	180.5	78.4	120.2
November	122.8	142.7	114.9	121.1	113.2	100.1	130.3	88.6	176.4	79.3	120.7
December	122.9	141.0	114.4	122.2	117.3	101.4	130.1	90.1	179.6	80.8	120.4

No. 792.—Wholesale Prices, by Major Commodity Groups: Revised Index Numbers by Months, 1913 to 1924—Continued

Year and month	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House-furnishing goods	Miscellaneous
1918											
January	125.0	146.7	114.9	120.0	121.7	102.9	131.8	91.9	187.2	83.8	124.6
February	122.7	147.2	114.8	117.7	124.3	103.9	132.4	92.4	189.2	84.4	123.8
March	126.4	147.5	111.9	115.4	128.8	105.4	131.5	94.1	190.1	86.8	126.2
April	128.3	145.0	113.4	119.1	135.9	107.9	131.6	96.8	190.4	89.2	131.4
May	128.1	140.2	113.3	124.5	137.9	109.4	132.6	97.5	186.9	91.8	133.2
June	129.0	140.2	113.5	127.1	141.7	109.2	133.1	98.9	182.2	93.7	135.6
July	132.0	146.6	118.3	128.9	142.9	109.9	135.7	101.5	178.8	96.6	135.5
August	134.3	153.0	119.7	130.0	142.8	109.7	140.3	102.4	180.4	98.0	137.6
September	137.5	157.0	124.2	132.4	145.1	111.5	142.4	102.8	179.4	99.3	140.0
October	136.3	151.4	126.8	132.2	144.5	111.6	143.6	101.8	179.5	99.4	141.2
November	136.3	150.3	128.6	131.6	142.6	114.3	143.5	101.8	178.0	99.2	142.3
December	136.3	151.1	130.3	131.7	138.7	114.3	141.2	101.4	167.8	98.9	143.4
1919											
January	134.4	154.0	128.4	135.1	127.2	108.5	135.5	101.3	165.0	98.8	143.7
February	129.8	148.5	121.3	136.3	119.0	103.2	132.3	100.2	157.6	96.8	142.0
March	131.3	152.4	126.5	137.7	114.2	101.3	128.8	99.1	152.6	96.0	139.9
April	133.0	158.4	128.5	141.7	113.7	100.6	123.9	97.7	152.0	96.7	139.2
May	135.3	162.0	131.6	152.5	119.8	99.3	123.5	100.1	152.4	97.7	133.4
June	135.6	156.9	127.3	172.1	130.5	99.8	124.5	108.7	152.9	103.8	130.6
July	141.1	164.5	130.5	192.4	140.1	100.8	127.5	118.7	156.6	106.0	133.4
August	144.3	163.4	132.3	209.3	144.2	103.3	134.7	128.7	157.4	109.0	138.0
September	141.1	153.2	128.7	207.5	145.2	105.1	134.1	130.2	156.2	110.9	139.2
October	141.6	152.8	128.8	203.8	148.9	107.7	134.7	130.3	157.4	113.6	140.4
November	144.5	159.5	130.8	201.8	156.6	106.7	136.0	131.9	160.0	119.9	143.5
December	150.5	165.5	138.3	199.0	164.5	115.3	137.0	140.8	164.4	125.0	145.8
1920											
January	157.7	170.2	145.1	200.9	187.0	117.8	140.5	155.0	162.8	133.9	151.7
February	157.1	163.3	138.2	203.4	193.9	121.8	147.8	165.2	164.2	137.3	158.1
March	158.6	164.5	136.1	197.4	192.5	131.1	152.8	167.6	168.5	138.7	165.0
April	165.5	168.7	144.6	197.0	194.6	149.1	156.0	168.3	171.3	139.0	171.1
May	167.2	169.8	147.3	193.2	188.3	159.8	155.5	164.4	173.7	143.3	176.5
June	166.5	167.4	149.0	175.7	180.6	177.4	153.9	154.8	173.3	143.3	177.8
July	165.8	160.4	146.8	170.3	169.0	198.5	154.5	151.5	171.7	149.8	177.9
August	161.4	149.9	138.4	160.7	160.8	209.9	157.3	150.0	169.6	149.7	177.6
September	155.2	143.9	134.8	153.7	144.8	201.1	156.6	144.8	167.2	148.0	175.2
October	144.2	127.8	127.7	145.8	132.2	190.1	146.7	136.7	162.1	145.7	169.6
November	133.4	118.7	123.9	132.4	121.5	163.9	140.4	124.1	151.6	139.4	159.1
December	120.7	104.6	109.7	125.6	113.6	144.2	133.7	118.3	139.9	133.5	149.1
1921											
January	114.0	101.6	103.9	119.5	101.7	131.9	130.7	112.2	130.7	123.6	134.5
February	104.9	92.7	94.6	117.5	96.4	105.6	128.4	105.4	124.2	122.8	126.8
March	102.4	89.9	93.6	113.6	93.0	100.1	125.4	101.8	119.9	122.4	121.4
April	98.9	82.8	89.9	107.3	91.9	101.0	124.7	98.7	115.4	122.3	116.3
May	96.2	83.1	86.0	107.2	91.4	95.5	124.8	97.7	114.7	117.5	108.1
June	93.4	80.6	83.9	107.0	91.6	87.3	122.6	96.7	113.7	114.1	105.9
July	93.4	86.5	87.5	106.6	91.2	82.9	118.5	94.3	111.1	105.7	103.1
August	93.5	88.9	91.8	107.1	90.1	82.5	110.0	91.9	110.1	105.6	100.6
September	93.4	89.7	90.6	107.6	94.9	82.0	107.4	91.6	111.8	106.1	100.1
October	94.1	89.7	89.6	105.7	97.4	92.0	107.4	92.6	111.1	106.8	100.9
November	94.2	87.6	89.4	105.3	97.4	101.0	106.2	94.1	109.3	105.6	96.8
December	92.9	87.9	86.8	106.2	97.5	96.9	106.0	91.8	107.7	105.8	96.5
1922											
January	91.4	88.0	83.3	104.5	97.7	94.4	103.1	91.6	100.8	104.5	93.3
February	92.9	95.1	83.7	104.6	96.7	94.1	101.6	91.1	99.9	104.4	93.6
March	92.8	93.4	84.2	103.2	95.3	93.9	101.1	90.5	101.4	103.6	93.7
April	93.2	92.6	84.3	99.8	95.0	97.2	102.2	90.9	101.5	102.6	93.5
May	96.1	94.3	84.8	99.1	97.5	110.0	103.4	92.9	100.4	102.9	93.3
June	96.3	92.8	86.2	101.2	99.8	107.9	103.9	96.0	99.8	102.7	91.9
July	99.4	95.6	88.4	103.3	100.7	122.5	104.3	97.1	98.6	102.2	90.7
August	98.6	91.2	87.3	105.1	100.3	127.4	100.4	98.5	98.7	102.2	89.5
September	99.3	92.4	88.6	106.9	101.4	122.9	103.5	102.5	99.5	102.4	90.4
October	99.6	94.2	91.6	108.7	104.0	111.9	104.0	104.6	99.9	104.1	92.4
November	100.5	97.8	94.8	110.3	106.8	104.2	103.5	105.3	101.3	104.8	94.8
December	100.7	99.2	95.0	109.1	107.9	102.6	103.1	105.3	101.6	106.1	96.3
1923											
January	102.0	99.6	92.3	107.5	110.2	108.4	105.0	107.1	101.3	109.4	100.5
February	103.3	100.0	91.2	108.5	111.8	111.8	107.1	109.4	102.0	109.6	103.0
March	104.5	100.2	92.6	109.2	113.4	110.6	110.8	112.2	103.6	109.6	104.8
April	103.9	98.5	93.3	109.2	114.4	105.6	112.8	115.5	104.1	110.4	104.5
May	101.9	96.7	92.3	108.7	113.0	99.3	111.7	114.3	102.3	110.5	103.6
June	100.3	96.0	91.7	105.4	110.5	97.6	110.3	111.1	100.1	110.6	98.9

No. 792.—Wholesale Prices by Major Commodity Groups: Revised Index Numbers, by Months, 1913 to 1924—Continued.

Year and month	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House-furnishing goods	Miscellaneous
1923—Contd.											
July	98.4	94.0	90.5	103.3	107.9	93.6	111.8	108.9	99.4	110.2	97.5
August	97.8	95.8	89.9	102.1	106.7	91.4	110.5	107.1	98.8	108.8	98.1
September	99.7	100.0	94.0	100.8	110.2	90.0	110.3	105.4	99.4	108.8	97.7
October	99.4	100.6	95.8	100.3	111.1	88.6	106.7	105.7	100.3	108.9	96.4
November	98.4	101.8	95.1	98.0	111.4	85.5	106.5	104.9	101.4	106.8	96.0
December	98.1	101.0	92.9	99.2	112.7	85.6	107.0	103.6	101.2	107.2	95.3
1924											
January	99.6	101.4	91.4	100.2	112.3	93.8	108.0	105.1	100.1	106.7	96.8
February	99.7	98.8	90.8	102.9	109.1	98.9	108.5	105.7	99.4	106.7	95.5
March	98.5	95.7	89.2	102.3	106.8	98.0	108.9	105.5	98.7	106.5	94.2
April	97.3	97.3	86.7	101.0	105.0	96.2	106.8	105.0	98.2	106.4	94.3
May	95.9	95.1	85.3	100.2	104.7	94.2	105.2	104.3	96.9	104.9	92.5
June	94.9	94.3	86.5	99.3	103.6	91.4	104.3	100.8	95.9	104.4	90.0
July	95.6	98.6	87.4	99.4	103.7	90.0	103.7	99.2	96.2	103.8	89.8
August	97.0	102.0	90.3	100.9	105.6	87.7	104.9	99.7	98.8	103.9	91.2
September	97.1	100.4	92.8	100.8	104.9	88.2	104.2	99.9	98.9	104.0	92.0
October	98.2	103.2	94.9	102.0	106.4	86.9	103.8	99.8	99.6	104.0	93.0
November	99.1	103.6	97.1	103.7	107.7	88.0	104.5	100.5	101.2	104.6	93.8
December	101.5	108.3	99.3	106.6	107.8	90.3	105.6	101.8	101.5	104.8	99.5

Source: Bureau of Labor Statistics, Department of Labor.

No. 793. WHOLESALE PRICES OF RAW MATERIALS, SEMIMANUFACTURED ARTICLES, AND FINISHED PRODUCTS: Index Numbers

[Note.—For explanation of indexes see general note, p. 317]

[1926=100]

Year and month	Raw materials	Semi-manufactured articles	Finished products	All commodities	Year and month	Raw materials	Semi-manufactured articles	Finished products	All commodities
1913	68.8	74.9	69.4	69.8	1926—Contd.				
1914	67.6	70.0	67.8	68.1	October	99.5	99.1	99.3	99.4
1915	67.2	81.2	68.9	69.5	November	98.2	98.9	98.4	98.4
1916	82.6	118.3	82.3	85.5	December	96.9	98.9	98.4	97.9
1917	122.6	150.4	109.2	117.5					
1918	135.8	153.8	124.7	131.3	1927				
1919	145.9	157.9	130.6	138.6	January	97.3	97.8	95.9	96.6
1920	151.8	198.2	149.8	154.4	February	96.0	96.6	95.8	95.9
1921	88.3	96.1	103.3	97.6	March	94.0	96.6	94.6	94.5
1922	96.0	98.9	96.5	96.7	April	92.7	95.9	94.1	93.7
1923	98.5	118.6	99.2	100.6	May	93.9	96.0	93.6	93.7
1924	97.6	108.7	96.3	98.1	June	94.1	95.6	93.4	93.8
1925	106.7	105.3	100.6	103.5	July	94.7	95.7	93.5	94.1
1926	100.0	100.0	100.0	100.0	August	97.5	97.3	93.4	95.2
1927	96.5	96.9	94.5	95.4	September	99.9	98.6	94.0	96.5
					October	99.5	97.6	95.5	97.0
1926					November	99.0	97.0	95.3	96.7
January	105.9	104.0	102.1	103.6	December	99.2	97.7	95.3	96.8
February	103.7	103.1	101.0	102.1					
March	100.9	101.0	100.1	100.4	1928				
April	100.6	99.4	99.9	100.1	January	100.2	97.7	93.9	96.3
May	100.6	98.3	100.7	100.5	February	99.1	97.1	94.8	96.4
June	100.0	98.5	101.1	100.5	March	97.9	97.8	94.8	96.0
July	98.5	98.7	100.2	99.5	April	100.1	97.9	95.9	97.4
August	97.8	99.6	99.6	99.0	May	101.4	98.6	97.1	98.6
September	99.3	100.4	99.9	99.7	June	99.3	97.8	96.7	97.6

Source: Bureau of Labor Statistics, Department of Labor.

No. 794.—DEVELOPED AND POTENTIAL WATER POWER OF THE UNITED STATES

[NOTE.—Data for developed water power cover capacity of actual installation of water wheels and turbines, on Jan. 1, 1923, in plants of 100 horsepower or more. In November, 1921, the capacity of installation amounted to 7,926,958 horsepower and in March, 1925, to 10,037,655. The figures, given for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of the installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more]

In thousands of horsepower]

Division and State	Developed water power (capacity of actual installation)	Potential water power		Division and State	Developed water power (capacity of actual installation)	Potential water power	
		Available 90 per cent of the time	Available 50 per cent of the time			Available 90 per cent of the time	Available 50 per cent of the time
Continental United States	12,296	38,110	59,166	**South Atlantic—Con.**			
New England	1,556	998	1,978	North Carolina	644	852	1,160
Maine	537	536	1,074	South Carolina	574	555	860
New Hampshire	278	186	350	Georgia	463	572	958
Vermont	200	80	169	Florida	8	20	30
Massachusetts	362	106	235	**East South Central**	966	1,328	2,272
Rhode Island	30	25	40	Kentucky	142	172	280
Connecticut	148	65	110	Tennessee	177	654	882
Middle Atlantic	2,078	4,373	6,050	Alabama	646	472	1,050
New York	1,779	4,010	4,960	Mississippi		30	60
New Jersey	19	50	90	**West South Central**	44	559	1,110
Pennsylvania	280	313	1,000	Arkansas	16	200	300
East North Central	1,037	742	1,426	Louisiana		1	2
Ohio	30	55	166	Oklahoma	2	70	194
Indiana	57	45	145	Texas	27	288	614
Illinois	94	189	361	**Mountain**	1,118	10,844	15,552
Michigan	378	168	274	Montana	378	2,550	3,700
Wisconsin	477	285	480	Idaho	355	2,122	4,032
West North Central	542	929	1,937	Wyoming	17	704	1,182
Minnesota	276	203	401	Colorado	95	873	1,609
Iowa	184	169	395	New Mexico	2	116	186
Missouri	21	67	152	Arizona	104	2,759	2,887
North Dakota	(1)	82	193	Utah	153	1,420	1,586
South Dakota	20	121	203	Nevada	13	300	370
Nebraska	24	183	342	**Pacific**	2,988	15,413	23,793
Kansas	17	104	251	Washington	707	7,145	11,225
South Atlantic	1,967	2,924	5,048	Oregon	289	3,665	5,894
Delaware	1	5	10	California	1,993	4,603	6,674
Maryland	38	106	238	**Outlying territories and possessions:**			
Dist. of Columbia	6			Alaska	40	1,000	2,500
Virginia	141	459	812	Hawaii	32	19	28
West Virginia	91	355	980	Porto Rico	15	100	200

[1] Less than 500.

Source: Geological Survey, Department of the Interior.

No. 795. ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

[The figures represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of changes in stocks]

Annual average or year	Anthracite coal	Bituminous coal	Total coal	Domestic oil	Natural gas	Imported oil	Total oil and gas	Water power [1]	Grand total fuels and water power	Per capita million B. t. u.	
										Coal	All sources
1871–1875	637	754	1,391	49	--------	--------	49	(1)	1,520	33	36
1876–1880	718	955	1,673	101	--------	--------	101	(1)	1,857	35	39
1881–1885	985	1,863	2,848	153	[2] 24	--------	177	(1)	3,110	53	57
1886–1890	1,195	2,474	3,669	198	[2] 264	--------	462	(1)	4,221	61	70
1890–1895	1,453	3,286	4,739	307	[2] 166	--------	473	104	5,316	71	79
1896–1900	1,513	4,493	6,006	357	[2] 198	--------	555	129	6,690	82	91
1901–1905	1,818	7,140	8,958	612	323	--------	935	209	10,102	111	125
1906–1910	2,207	9,783	11,990	1,037	470	1	1,508	369	13,867	135	156
1911–1915	2,427	11,527	13,954	1,486	619	72	2,177	591	16,722	145	173
1916–1920	2,523	13,981	16,504	2,176	820	297	3,293	851	20,648	159	199
1921–1925	2,112	12,610	14,722	3,888	1,024	569	5,481	1,105	21,308	132	191
1913	2,490	12,535	15,025	1,491	626	102	2,219	588	17,831	156	185
1918	2,688	15,180	17,868	2,136	775	226	3,137	837	21,842	172	211
1925	1,681	13,625	15,306	4,582	1,278	371	6,231	1,290	22,827	133	198
1926	2,297	15,022	17,319	4,625	1,411	362	6,398	1,492	25,209	148	215
1927 [3]	2,194	13,619	15,813	5,367	1,473	349	7,189	1,687	24,689	133	208

[1] The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.
[2] Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.
[3] Preliminary.

Source: Bureau of Mines, Department of Commerce.

98827°—S A 1928——53