MANUFACTURES

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 [illegible] cted decennially and from then [illegible] two years. For the census of [illegible] and neighborhood industries. [illegible] factories having products valued at $500 or more were included, but the statistics for 1921 (except as to certain major items shown in Table 723 only) and for 1923 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. Also compare the two sets of data for 1899, 1914, and 1919 in the table below.

The statistics for 1921 and 1923 also do not include data for establishments engaged in automobile repair- [illegible] included in the figures for these years [illegible] cted by changes in the buying power [illegible] 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. 721.—MANUFACTURES: SUMMARY, 1849 TO 1923

	Establishments	Wage earners (average number)	Primary horsepower [1]	Capital	Wages	Cost of materials	Value of products	Value added by manufacture
				In thousands of dollars				
Factories and hand and neighborhood industries:								
1849	123,025	957,059	(2)	533,245	236,755	555,124	1,019,107	463,983
1859	140,433	1,311,246	(2)	1,009,856	378,879	1,031,605	1,885,862	854,257
1869	252,148	2,053,996	2,346,142	1,694,567	620,467	1,990,742	3,385,860	1,395,119
1879	253,852	2,732,595	3,410,837	2,790,273	947,954	3,396,824	5,369,579	1,972,756
1889	355,405	4,251,535	5,938,635	6,525,051	1,891,220	5,162,014	9,372,379	4,210,365
1899	512,191	5,306,143	10,097,893	9,813,834	2,320,938	7,343,628	13,000,149	5,656,521
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:								
1899	207,514	4,712,763	(3)	8,975,256	2,008,361	6,575,851	11,406,927	4,831,075
1904	216,180	5,468,383	13,487,707	12,675,581	2,610,445	8,500,208	14,793,903	6,293,695
1909	[illegible]	[illegible]	[illegible]	428,270	3,427,038	12,142,791	20,672,052	8,529,261
1914	2	[illegible]	[illegible]	790,980	4,078,332	14,368,089	24,246,435	9,878,346
1919	2	[illegible]	[illegible]	466,594	10,533,400	37,376,380	62,418,079	25,041,698
Factories, excluding establishments with products valued at less than $5,000:								
1914 [4]	177,110	6,896,190	----------	----------	----------	14,278,333	23,987,861	9,709,527
1919 [4]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1923	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] For explanation of term see Table 724.
[2] Data not collected.
[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] Excludes establishments engaged in automobile repairing. (See general note above.)

Source: Bureau of the Census, Department of Commerce.

No. 722.—MANUFACTURES: Establishments Classified According to Average Number of Wage Earners

Number of wage earners	1921				1923			
	Establishments	Average number of wage earners	Per cent of total		Establishments	Average number of wage earners	Per cent of total	
			Establishments	Wage earners			Establishments	Wage earners
Total	**196,267**	**6,946,570**	**100.0**	**100.0**	**196,309**	**8,778,156**	**100.0**	**100.0**
None	8,721	----------	4.5	----------	8,436	----------	4.3	----------
1 to 5	85,496	219,793	43.6	3.2	79,101	212,938	40.3	2.4
6 to 20	53,771	595,369	27.4	8.6	54,609	611,524	27.8	7.0
21 to 50	23,898	776,525	12.2	11.2	25,212	818,403	12.9	9.3
51 to 100	11,047	787,213	5.6	11.3	12,346	882,965	6.3	10.1
101 to 250	8,532	1,329,434	4.3	19.1	10,023	1,576,218	5.1	18.0
251 to 500	2,916	1,012,355	1.5	14.6	3,835	1,332,393	2.0	15.2
501 to 1,000	1,241	858,241	.6	12.3	1,784	1,230,888	.9	14.0
Over 1,000	645	1,367,640	.3	19.7	963	2,112,827	.5	24.1

No. 723.—MANUFACTURES: Establishments, Classified by Value of Products [1]

[Note.—See general note, p. 745]

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:						
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:						
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:						
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:						
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:						
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	42.7	5,742,376,392	23.7
$500,000 to $1,000,000:						
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)	----------	3,020,693,743	12.5
$1,000,000 and over:						
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	11,794,060,929	48.6

[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. [illegible] wage earners and value of products, however, have not been [illegible] percentages having been affected very slightly by the omission of small [illegible]

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

[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 of Tables 722 and 723: Bureau of the Census, Department of Commerce.

No. 724.—MANUFACTURES: Prime Movers, Electric Motors, and Horsepower

[Note.—"Primary power" represents total primary power reported by establishments together with rented electric power, technically secondary. Data for establishments with products under $5,000 in value included for 1919 and 1914, but not for 1923. The figures for 1919 and 1914 differ from those published in certain previous reports because of the exclusion here and the inclusion in the previous reports of data for rented power other than electric, and data for establishments engaged in automobile repairing]

	Primary power										Electric motors run by current generated in the establishment reporting	
	Number of establishments reporting power	Total primary horsepower	Owned by establishments reporting						Rented (electric)			
			Steam engines		Internal-combustion engines		Water turbines [1]					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower
United States:												
1923	173,475	33,094,228	90,057	16,700,993	15,721	1,224,262	9,293	1,803,310	1,445,003	13,365,663	616,422	8,821,551
1919	223,029	29,327,669	122,508	17,036,210	30,474	1,241,829	13,980	1,765,131	976,463	9,284,499	486,874	6,969,203
1914	202,529	22,290,899	137,134	15,591,171	37,115	988,591	18,065	1,826,413	447,502	3,884,724	321,323	4,938,530
GEOGRAPHIC DIVISIONS, 1923												
New England	17,531	4,151,136	7,593	1,777,813	784	46,933	3,454	761,211	179,192	1,565,179	97,791	1,102,422
Middle Atlantic	58,433	9,627,808	23,430	5,279,302	3,592	400,768	2,397	388,503	470,296	3,559,235	221,661	3,077,216
East North Central	37,274	9,061,680	20,641	4,568,174	4,530	447,735	1,491	238,676	391,343	3,807,095	195,502	2,951,857
West North Central	15,070	1,714,030	5,770	768,857	1,363	88,045	316	73,346	91,105	783,782	25,752	368,045
South Atlantic	14,922	3,143,936	12,502	1,475,792	2,012	83,603	1,017	258,558	131,464	1,325,983	41,181	596,193
East South Central	7,017	1,461,604	6,353	886,286	856	20,138	202	16,542	39,629	538,638	7,667	151,746
West South Central	7,223	1,269,347	6,591	838,409	1,396	85,942	76	7,170	29,186	337,826	8,673	195,707
Mountain	3,476	777,745	2,066	357,247	353	23,192	107	9,212	21,094	388,094	5,808	125,329
Pacific	12,529	1,886,942	5,111	749,113	835	27,906	233	50,092	91,694	1,059,831	12,387	253,036
INDUSTRY GROUPS, 1923												
Food and kindred products	46,890	3,723,025	19,500	1,710,403	5,433	182,386	2,543	120,912	188,297	1,709,324	52,483	513,037
Textiles and their products	24,050	3,800,403	6,219	1,837,100	470	30,112	2,224	466,372	265,444	1,466,819	114,256	911,262
Iron and steel and products, except machinery	6,169	7,202,426	8,665	4,666,877	879	583,724	238	21,190	110,917	1,930,635	101,097	2,970,302
Lumber and timber products	19,330	3,336,133	21,978	2,523,429	1,955	48,711	736	42,746	75,627	721,247	37,385	507,329
Leather and its finished products	4,483	412,998	1,391	214,051	97	4,256	57	3,884	34,093	190,807	17,190	122,959
Rubber products	506	605,634	502	257,035	31	9,859	50	6,506	15,889	333,234	10,756	180,799
Paper and printing	22,275	2,742,697	4,121	992,980	1,121	15,186	2,452	886,447	199,885	848,084	31,315	653,063
Chemicals and allied products	7,222	2,739,519	12,623	1,472,529	1,206	78,933	160	168,557	100,222	1,019,500	39,729	674,851
Stone, clay, and glass products	7,598	1,919,155	4,923	847,179	1,726	92,034	180	30,582	40,940	949,360	19,732	425,009
Metals and products, except iron and steel	5,728	1,168,656	1,281	437,554	338	23,173	86	11,814	51,691	696,115	19,175	283,517
Tobacco manufactures	933	43,515	205	27,167	23	417	----------	----------	5,047	15,931	3,404	15,254
Machinery	11,888	2,300,443	2,919	662,559	1,357	69,186	360	26,522	173,905	1,542,176	88,894	750,290
Musical instruments and phonographs	481	90,229	221	52,536	24	743	8	79	6,520	36,871	3,965	39,078
Transportation equipment—air, land, water	3,741	1,624,468	1,568	443,462	407	50,490	49	10,940	92,084	1,119,576	49,141	436,716
Railroad repair shops	1,994	806,435	2,332	359,068	169	23,684	3	88	25,782	423,595	17,119	271,297
Miscellaneous	9,687	578,492	1,609	197,064	485	12,368	147	6,671	58,660	362,389	10,781	66,788

[1] Data for water motors included for 1919 and 1914, but not for 1923.

Source: Bureau of the Census, Department of Commerce.

No. 725.—MANUFACTURES: COAL CONSUMED

	Anthracite (tons of 2,240 pounds)	Bituminous (tons of 2,000 pounds)
United States:		
1923	13,103,619	226,480,885
1919	14,299,951	203,336,169
1914	14,034,466	166,573,482
GEOGRAPHIC DIVISIONS, 1923		
New England	959,317	10,327,723
Middle Atlantic	10,454,456	85,570,752
East North Central	662,444	81,571,966
West North Central	365,012	11,567,903
South Atlantic	454,332	16,455,983
East South Central	58,922	13,830,559
West South Central	77,613	1,356,423
Mountain	53,232	5,186,032
Pacific	18,291	613,544
INDUSTRY GROUPS, 1923		
Food and kindred products	2,134,060	14,345,474
Textiles and their products	1,514,177	8,846,423
Iron and steel and products, except machinery	864,623	33,997,483
INDUSTRY GROUPS, 1923—continued		
Lumber and allied products	194,995	3,673,011
Leather and its finished products	113,833	1,768,966
Rubber products	87,221	2,145,679
Paper and printing	979,729	10,480,965
Chemicals and allied products	3,153,812	102,881,555
Stone, clay, and glass products	737,409	24,029,823
Metals and products, except iron and steel	1,131,532	3,712,553
Tobacco manufactures	38,201	244,870
Machinery	710,090	6,464,156
Musical instruments and phonographs	70,838	294,533
Transportation equipment, air, land, and water	216,709	4,234,018
Railroad repair shops	747,476	7,145,446
Miscellaneous	408,904	2,215,930

Source: Bureau of the Census, Department of Commerce.

No. 726.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

[NOTE.—See general note p. 745. Figures do not include data for establishments engaged in automobile repairing. For explanation of term, "primary power," see headnote Table 724. 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	1923	196,309	8,778,156	11,009,298	34,705,698	60,555,998	25,850,300	33,094,228
	1921	196,267	6,946,570	8,202,324	25,321,056	43,653,283	18,332,227	----------
	1919	274,598	9,041,311	10,461,787	37,288,731	62,193,427	24,904,696	29,327,669
	1914	272,518	7,023,685	4,067,718	14,358,935	24,216,515	9,857,580	22,290,899
Food and kindred products.	1923	51,847	682,137	795,571	6,990,846	9,524,051	2,533,205	3,723,025
	1921	52,113	626,618	746,267	6,122,933	8,267,132	2,144,199	----------
	1919	69,423	733,664	774,722	10,252,633	12,748,348	2,495,715	3,203,106
	1914	67,403	536,436	303,345	3,907,186	4,977,760	1,070,574	2,503,932
Textiles and their products.	1923	26,797	1,719,434	1,748,069	5,408,424	9,487,184	4,078,760	3,800,403
	1921	25,985	1,510,867	1,473,219	3,804,503	6,963,886	3,159,383	----------
	1919	28,473	1,612,060	1,482,879	5,388,229	9,226,646	3,838,417	3,254,033
	1914	23,364	1,506,197	675,902	2,014,099	3,445,481	1,431,382	2,717,369
Iron and steel and their products, not including machinery.	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
Lumber and allied products.	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

[1] Statistics for 1919 and 1914 in the case of a few groups differs 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.

No. 726.—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				
Leather and its finished products.	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
Rubber products	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
Paper and printing	1923	25,775	526,795	742,658	1,543,059	3,769,985	2,226,926	2,742,697
	1921	25,355	467,072	637,130	1,331,325	3,148,747	1,817,422	----------
	1919	36,403	509,875	564,510	1,306,717	3,012,584	1,705,867	2,345,949
	1914	37,196	452,900	296,493	580,715	1,456,046	875,331	2,038,582
Chemicals and allied products.[2]	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
Stone, clay, and glass products.	1923	8,287	347,619	449,349	559,697	1,538,571	978,874	1,919,155
	1921	8,322	251,912	306,236	425,006	1,025,918	600,912	----------
	1919	12,583	300,817	331,029	413,940	1,096,291	682,351	1,579,340
	1914	14,790	335,824	206,084	240,817	618,700	377,883	1,493,976
Metals and metal products, other than iron and steel.	1923	7,433	296,911	394,024	1,767,072	2,634,031	866,959	1,168,656
	1921	7,801	212,354	256,251	885,840	1,406,873	521,033	----------
	1919	10,246	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
Tobacco manufactures	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
Machinery (not including transportation equipment).	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
Musical instruments and phonographs.	1923	535	58,329	73,524	120,743	282,531	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	119,089	70,365	57,526
Transportation equipment, air, land, and water.	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
Railroad repair shops	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	726,691	547,829	1,354,446	806,617	644,875
	1914	2,011	365,902	263,150	261,438	552,618	291,180	478,893
Miscellaneous industries.	1923	11,334	271,815	334,070	795,726	1,686,718	890,992	578,492
	1921	10,874	223,632	267,822	615,516	301,812	686,296	----------
	1919	14,249	291,027	312,244	843,402	1,665,799	822,397	623,633
	1914	11,971	215,647	119,576	349,041	663,874	314,833	362,498

[2] 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 1923 become, respectively, as follows: Wage earners, 278,497 and 382,916; wages, $166,758,000 and $499,207,000; value of products, $2,019,877,000 and $5,668,035,000; value added by manufacture, $715,013,000 and $2,008,357,000.

Source: Bureau of the Census, Department of Commerce.

No. 727.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

[NOTE.—The figures for some industries do not fully represent the totals properly assignable to it, 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 [illegible] one establishment as the materials of another. As to comparability of figures, see [illegible] Data for primary horsepower were not collected in 1921. Horsepower figures for [illegible] in 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 726]

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.	1923	9,845	183,410	225,347	3,141,227	3,753,630	612,403	621,686
	1921	8,846	164,622	206,092	2,594,191	3,102,479	508,288	----------
	1919	10,319	217,208	266,842	4,909,289	5,570,807	661,518	579,025
	1914	9,968	137,933	85,113	1,816,770	2,100,679	283,909	408,700
Butter	1923	3,653	20,782	25,515	561,308	654,474	93,166	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	1923	3,399	4,383	5,233	109,522	130,765	21,243	22,315
	1921	2,789	3,498	4,424	69,118	81,880	12,762	----------
	1919	3,530	3,997	4,809	129,425	143,456	14,031	24,411
	1914	3,082	2,908	2,066	46,759	51,745	4,986	19,209
Condensed and evaporated milk.	1923	378	8,723	10,641	164,746	200,111	35,365	48,300
	1921	382	9,462	10,349	132,526	176,837	44,311	----------
	1919	401	13,675	14,278	282,595	339,507	56,912	49,178
	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.	1923	31	1,484	1,921	25,772	35,953	10,181	5,922
	1921	45	2,041	2,728	28,062	39,177	11,115	----------
	1919	42	2,851	3,184	66,043	79,815	13,772	9,435
	1914	17	917	584	10,257	15,080	4,823	3,431
Slaughtering and meat packing, wholesale.	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	252,071
Poultry killing and dressing.	1923	127	1,510	1,446	21,783	26,424	4,641	2,006
	1921	169	2,255	1,965	29,321	34,717	5,396	----------
	1919	196	2,140	2,045	36,016	41,705	5,689	4,016
	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.[1]	1923	499	4,591	6,840	51,033	69,510	18,477	17,017
	1921	513	3,872	5,479	37,442	53,087	15,645	----------
	1919	633	3,471	4,679	43,940	56,610	12,670	12,671
	1914	533	2,616	1,820	17,926	23,083	5,157	7,840
Canning and preserving, fish, crabs, and shrimps.	1923	303	8,030	5,714	29,662	47,625	17,963	16,061
	1921	273	6,916	4,956	20,816	33,957	13,141	----------
	1919	410	11,248	9,036	52,411	77,284	24,873	24,805
	1914	330	9,060	3,679	19,467	31,111	11,644	10,966
Canning and preserving, oysters and clams.	1923	58	1,114	468	1,389	2,964	1,573	1,587
	1921	47	1,030	359	1,207	2,158	951	----------
	1919	65	1,189	469	1,583	2,976	1,393	1,025
	1914	65	2,087	424	1,225	2,238	1,013	1,895
Vegetable and mineral products, total.	1923	42,002	498,727	570,224	3,849,619	5,770,421	1,920,802	3,101,339
	1921	43,267	461,996	540,175	3,528,742	5,164,653	1,635,911	----------
	1919	59,104	516,456	507,880	5,343,344	7,177,541	1,834,197	2,624,081
	1914	57,435	398,503	218,232	2,090,416	2,877,081	786,665	2,095,232
Canning and preserving, fruits and vegetables.	1923	1,893	57,178	43,097	218,528	370,398	151,870	138,997
	1921	1,357	38,668	24,805	166,582	248,106	81,524	----------
	1919	3,082	60,865	43,593	265,628	402,243	136,615	132,247
	1914	3,153	50,325	17,306	103,293	149,176	45,883	87,940

For footnotes see p. 775.

No. 727.—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.								
Pickles, jellies, preserves, and sauces.	1923	545	15,356	14,056	80,440	144,918	64,478	36,717
	1921	548	13,061	11,995	71,100	117,611	46,511	----------
	1919	723	16,621	13,347	93,038	145,785	52,747	22,384
	1914	672	12,590	5,789	35,673	60,915	25,242	18,547
Chocolate and cocoa products, not including confectionery.	1923	58	6,876	7,730	60,843	95,532	34,689	47,197
	1921	55	6,652	7,278	49,134	81,649	32,515	----------
	1919	48	9,083	9,270	101,754	139,258	37,504	33,414
	1914	36	4,160	2,036	24,483	35,713	11,230	19,676
Coffee and spice, roasting and grinding.	1923	729	9,665	10,016	224,844	297,528	72,684	37,358
	1921	712	8,882	9,372	166,249	226,059	59,810	----------
	1919	794	10,540	9,201	243,899	304,792	60,893	29,766
	1914	696	8,549	4,508	116,520	150,749	34,229	26,556
Confectionery	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
Ice cream and water ices.	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
Chewing gum	1923	45	2,052	2,233	15,487	40,871	25,384	6,905
	1921	50	1,994	2,149	19,908	38,865	18,957	----------
	1919	62	3,190	2,680	25,202	51,240	26,038	6,172
	1914	74	2,048	828	7,322	17,160	9,838	3,030
Flavoring sirups and bitters.[3]	1923	176	1,970	2,375	25,355	50,017	24,662	13,651
	1921	129	1,408	1,640	26,660	44,066	17,406	----------
	1919	149	1,398	1,297	30,999	46,807	15,808	3,177
	1914	142	929	461	7,596	15,316	7,720	2,050
Flavoring extracts	1923	281	1,626	1,820	12,822	24,136	11,314	4,278
	1921	334	2,054	2,419	18,689	33,060	14,371	----------
	1919	453	2,188	1,665	19,419	30,117	10,698	3,376
	1914	424	1,461	689	6,308	11,380	5,072	1,466
Flour-mill and grain-mill products.	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.	1923	18,739	162,613	214,579	574,520	1,122,906	548,386	103,186
	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.[1]	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	149,799
	1914	1,544	19,953	10,665	153,219	218,411	65,192	79,823
Corn sirup, corn oil, and starch.	1923	31	6,537	9,090	74,481	116,560	42,079	65,764
	1921	32	6,131	7,840	50,861	80,041	29,180	----------
	1919	56	7,795	11,963	130,329	186,256	55,927	52,036
	1914	89	4,509	3,550	40,208	52,615	12,407	41,454
[illegible] shelling.	1923	70	1,492	748	15,176	18,189	3,013	7,763
	1921	66	2,099	1,065	17,054	19,669	2,615	----------
	1919	78	2,460	1,329	28,474	33,354	4,880	7,351
	1914	61	2,353	569	12,571	14,996	2,425	4,232
Rice cleaning and polishing.	1923	69	1,764	1,379	40,213	47,068	6,855	22,229
	1921	76	1,940	1,707	34,179	41,213	7,034	----------
	1919	86	2,113	1,932	76,634	90,039	13,405	25,340
	1914	59	1,253	646	20,616	23,039	2,423	15,571
Sugar, beet	1923	84	7,571	10,103	70,820	118,314	47,494	127,771
	1921	92	13,602	22,658	121,869	139,110	17,241	----------
	1919	85	11,781	15,908	87,029	149,156	62,127	127,394
	1914	60	7,997	6,606	41,399	62,605	21,206	76,705

For footnotes see p. 775.

No. 727.—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.								
Sugar, cane, not including products of refineries.	1923	122	2,820	1,728	20,963	27,181	6,218	88,214
	1921	134	2,724	2,296	16,941	22,961	6,020	----------
	1919	202	6,101	4,009	44,143	57,741	13,598	101,859
	1914	181	3,632	1,561	15,958	21,635	5,677	113,246
Sugar refining, cane	1923	20	15,254	20,044	681,880	726,242	44,362	72,082
	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	1923	22	487	742	13,154	16,431	3,277	14,805
	1921	26	616	924	17,458	21,005	3,547	----------
	1919	55	1,352	1,845	31,613	39,340	7,727	27,483
	1914	97	1,989	1,828	39,199	48,133	8,934	32,494
Vinegar and cider	1923	190	1,317	1,279	7,462	12,535	5,073	8,454
	1921	227	1,481	1,578	9,894	18,249	8,355	----------
	1919	720	1,981	2,048	15,559	24,723	9,164	17,943
	1914	618	1,229	713	4,440	7,811	3,371	13,117
Beverages [3]	1923	4,514	29,274	37,689	99,572	228,730	129,158	221,292
	1921	3,867	33,202	45,652	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	1923	3,097	26,852	35,040	46,664	164,662	117,998	845,012
	1921	2,715	24,066	32,630	51,174	158,889	107,715	----------
	1919	2,867	30,247	34,002	42,878	137,005	94,127	569,925
	1914	2,543	23,011	14,841	17,755	60,386	42,631	458,938
TEXTILES AND THEIR PRODUCTS								
Textile-mills products, total.	1923	7,846	1,168,712	1,126,969	3,227,048	5,552,107	2,325,059	3,573,339
	1921	7,266	994,635	897,202	2,140,054	3,903,620	1,763,566	----------
	1919	7,159	1,054,320	911,744	3,267,199	5,497,340	2,230,141	3,030,063
	1914	5,942	950,880	404,606	1,185,091	1,935,344	750,253	2,522,862
Cotton goods	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 [4]	1923	228	16,387	15,957	38,615	73,223	34,608	31,926
Cotton lace	1923	39	7,307	8,085	14,631	35,792	21,161	9,545
	1921	37	6,396	6,209	11,321	25,981	14,660	----------
	1919	44	6,490	6,087	13,076	29,397	16,321	9,078
	1914	41	7,440	3,468	5,677	13,207	7,530	8,817
Knit goods	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	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	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	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	275,608	92,867	242,521

For footnotes see p. 775.

No. 727.—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.								
Asbestos textiles [6]	1923	30	4,073	4,218	13,776	24,550	10,774	16,899
	1921	25	1,078	829	3,251	7,171	3,920	----------
	1919	16	1,993	1,696	8,672	15,456	6,784	5,577
Felt goods, wool or hair	1923	53	5,735	6,635	23,895	42,037	18,142	20,522
	1921	49	4,180	4,626	11,232	24,129	12,897	----------
	1919	49	5,236	4,873	22,781	39,229	16,448	16,411
	1914	53	4,035	2,089	8,308	13,693	5,385	14,016
Hats, wool-felt	1923	21	1,950	2,005	4,457	8,643	4,186	2,762
	1921	26	1,428	1,348	2,454	4,964	2,510	----------
	1919	40	1,448	1,388	3,700	6,740	3,040	2,694
	1914	30	1,249	600	978	1,945	967	3,091
Hats, fur-felt	1923	163	16,722	21,531	34,448	75,253	40,805	18,488
	1921	154	13,880	15,882	26,252	52,614	26,362	----------
	1919	176	18,510	19,643	40,158	82,745	42,587	20,377
	1914	224	21,318	12,071	16,947	37,350	20,403	20,774
Carpets and rugs, wool, other than rag.	1923	79	35,217	48,528	97,473	199,481	102,008	53,852
	1921	72	22,922	28,705	50,118	103,880	53,762	----------
	1919	75	22,933	24,216	67,118	123,254	56,136	37,593
	1914	97	31,309	14,716	42,280	69,128	26,848	42,794
Wool shoddy	1923	59	2,128	2,442	10,627	16,697	6,070	12,496
	1921	53	1,170	1,256	4,480	6,803	2,323	----------
	1919	78	2,566	2,653	16,076	23,254	7,178	16,567
	1914	64	2,145	1,056	5,300	7,707	2,407	12,244
Wool pulling	1923	27	696	866	11,308	15,176	3,868	2,837
	1921	22	552	693	5,197	6,767	1,570	----------
	1919	24	705	910	12,810	17,361	4,551	2,162
	1914	34	708	452	6,632	8,273	1,641	2,248
Wool scouring	1923	26	1,474	2,025	4,529	8,190	3,661	6,976
	1921	24	1,536	2,067	3,304	6,820	3,516	----------
	1919	33	2,177	2,896	7,228	13,680	6,452	9,710
	1914	24	1,059	617	3,176	4,565	1,389	7,579
Cordage and twine	1923	121	16,382	15,148	53,642	88,283	34,641	72,371
	1921	118	14,593	12,924	46,481	75,356	28,875	----------
	1919	120	17,622	14,700	89,706	133,366	43,660	66,556
	1914	105	15,769	6,996	43,605	59,762	16,157	55,272
Jute goods	1923	19	6,042	5,778	12,348	25,421	13,073	24,174
	1921	24	5,664	4,639	8,944	17,506	8,562	----------
	1919	26	7,138	6,436	17,709	34,443	16,734	32,135
	1914	34	7,987	3,060	12,580	16,514	3,934	28,533
Linen goods	1923	18	2,880	2,897	6,073	11,390	5,317	9,803
	1921	15	2,519	2,123	4,464	8,210	3,746	----------
	1919	10	1,890	1,636	4,190	6,998	2,808	6,069
	1914	21	3,567	1,386	4,289	6,960	2,671	9,932
Flax and hemp, dressed	1923	9	62	49	174	281	107	877
	1921	6	112	72	201	268	67	----------
	1919	20	420	447	1,709	2,369	660	1,920
	1914	16	116	45	185	283	98	832
Mats and matting, grass and coir.	1923	11	986	897	1,510	3,890	2,380	1,980
	1921	13	628	570	1,020	2,322	1,302	----------
	1919	12	1,073	811	2,102	4,861	2,759	1,670
	1914	12	869	455	1,170	2,236	1,066	1,643
Haircloth	1923	18	499	464	2,512	3,734	1,222	1,333
	1921	17	301	329	1,546	2,618	1,072	----------
	1919	18	425	425	2,259	3,315	1,056	972
	1914	19	595	290	1,654	2,396	742	1,539
Dyeing and finishing textiles.	1923	713	63,414	72,525	163,570	342,230	178,660	204,123
	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

For footnotes see p. 775.

No. 727.—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.								
Cloth, sponging and refinishing.	1923	65	1,225	2,210	298	4,652	4,354	911
	1921	65	1,123	1,770	264	4,101	3,837	----------
	1919	67	1,206	1,565	178	3,691	3,513	927
	1914	51	901	658	133	1,531	1,398	677
Wearing apparel made from purchased fabrics, total.	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	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.	1923	37	334	409	103	804	701	105
	1921	37	329	348	77	646	569	----------
	1919	107	484	514	123	1,090	967	176
	1914	139	672	326	90	638	548	205
Shirts	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.[6]	1923	454	18,958	14,810	57,237	102,952	45,715	5,470
	1921	421	15,921	12,470	47,193	77,527	30,334	----------
	1919	487	18,944	13,563	64,744	107,835	43,091	5,659
	1914	551	22,459	8,416	31,593	52,453	20,860	5,840
Collars, men's	1923	37	10,449	7,960	18,370	42,666	24,296	5,050
	1921	34	9,285	7,061	12,374	29,571	17,197	----------
	1919	39	11,103	7,431	19,434	47,565	28,131	5,276
	1914	35	10,100	4,494	6,566	18,531	11,965	3,359
Gloves and mittens, cloth, not made in textile mills.[6]	1923	129	8,864	5,296	18,292	28,126	9,834	3,143
	1921	128	5,758	3,294	10,192	15,213	5,021	----------
	1919	182	8,986	4,855	16,092	28,220	12,128	3,364
Suspenders, garters, and elastic woven goods, made from purchased webbing.[4]	1923	100	3,458	2,892	13,934	24,297	10,363	809
Hats and caps, other than fur-felt, wool-felt, and straw.	1923	651	7,313	9,594	22,250	42,812	20,562	1,782
	1921	584	6,505	8,701	18,537	36,987	18,450	----------
	1919	709	7,539	9,439	24,177	44,540	20,363	1,687
	1914	580	7,322	4,508	9,268	18,593	9,325	1,313
Clothing, women's	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	1923	216	16,104	13,258	38,416	78,048	39,632	5,901
	1921	173	17,084	13,102	38,857	75,600	36,743	----------
	1919	188	18,415	13,082	38,816	75,542	36,726	6,956
	1914	167	20,496	7,977	19,587	40,551	20,964	6,962
Millinery and lace goods, not elsewhere classified.	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.	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, and sails.	1923	814	5,958	6,923	25,229	45,276	20,047	4,728
	1921	709	5,070	5,931	21,327	37,012	15,685	----------
	1919	895	6,028	5,859	26,961	45,690	18,729	4,571
	1914	888	5,073	2,954	10,155	18,138	7,983	2,602

For footnotes see p. 775.

No. 727.—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.								
Bags, other than paper, not made in textile mills.	1923	169	11,548	9,361	128,222	151,676	23,454	13,852
	1921	169	10,324	8,032	99,438	115,452	16,014	----------
	1919	216	10,756	7,757	176,018	214,060	38,042	9,076
	1914	138	9,358	3,789	67,022	79,049	12,027	10,381
Belting, other than leather and rubber, made from purchased fabric.[4]	1923	13	335	351	1,674	3,312	1,638	930
Horse blankets, fly nets, and related products.[7]	1923	22	841	610	2,774	5,137	2,363	2,900
	1921	27	705	682	2,678	3,835	1,157	----------
	1919	28	766	551	3,456	6,021	2,565	1,577
	1914	37	1,669	668	3,569	5,150	1,581	1,903
Flags and banners	1923	52	878	758	2,024	3,807	1,783	748
	1921	57	991	777	1,850	3,637	1,787	----------
	1919	79	1,065	795	3,286	5,346	2,060	778
	1914	87	1,495	690	1,750	3,601	1,851	637
Regalia, badges, and emblems.	1923	84	2,146	2,090	4,243	10,586	6,343	1,160
	1921	81	2,204	2,048	4,423	10,359	5,936	----------
	1919	115	2,223	1,800	4,287	9,396	5,109	1,321
	1914	138	2,010	980	2,205	5,025	2,820	655
Hat and cap materials	1923	104	2,304	2,411	13,863	20,508	6,645	4,749
	1921	103	1,722	1,737	6,713	11,545	4,832	----------
	1919	133	3,009	3,133	16,644	26,521	9,877	4,927
	1914	98	1,775	804	5,052	6,929	1,877	2,946
Hammocks	1923	4	68	53	207	351	144	103
	1921	5	51	38	162	249	88	----------
	1919	6	64	40	169	256	87	92
	1914	14	285	119	361	671	310	291
Nets and seines	1923	17	882	749	3,157	4,628	1,471	1,082
	1921	15	705	495	1,946	3,016	1,070	----------
	1919	19	859	561	3,648	5,114	1,466	959
	1914	15	1,058	379	2,257	3,088	831	1,934
House-furnishing goods, not elsewhere classified.	1923	452	8,708	8,454	44,667	69,333	24,666	9,969
	1921	419	7,504	6,956	35,106	54,551	19,445	----------
	1919	467	7,853	6,444	39,794	60,212	20,418	11,857
	1914	370	6,935	3,306	17,391	26,453	9,062	11,276
Carpets and rugs, rag	1923	151	2,042	1,857	2,095	6,097	4,002	2,587
	1921	149	1,576	1,441	1,639	4,860	3,221	----------
	1919	339	2,016	1,551	2,038	5,597	3,559	2,659
	1914	463	2,130	995	722	2,786	2,064	2,656
Linoleum [8]	1923	7	6,261	8,376	27,277	52,527	25,250	23,205
	1921	9	4,877	6,226	21,918	38,475	16,557	----------
	1919	21	5,414	6,518	30,369	52,673	22,304	23,509
	1914	18	4,428	2,604	11,252	17,602	6,350	18,782
Oilcloth [8]	1923	9	1,203	1,781	12,165	17,719	5,554	2,886
	1921	10	947	1,337	9,284	13,692	4,408	----------
	1919	11	1,130	1,201	11,141	15,437	4,296	4,251
	1914	13	1,223	609	6,524	7,996	1,472	3,490
Artificial leather	1923	17	2,462	3,235	22,624	33,558	10,934	8,359
	1921	19	1,444	1,801	11,247	15,516	4,269	----------
	1919	17	2,011	2,163	18,132	26,282	8,150	4,952
	1914	10	795	485	4,108	6,097	1,989	1,674
Asphalted-felt-base floor coverings.[8]	1923	9	1,682	2,204	9,140	25,280	16,140	2,760
	1921	10	816	982	3,717	10,147	6,430	----------
Upholstering materials, not elsewhere classified.	1923	35	1,248	1,280	4,538	7,641	3,103	2,442
	1921	35	740	685	2,688	4,081	1,393	----------
	1919	51	1,557	1,380	4,795	8,694	3,899	4,338
	1914	70	2,454	1,101	5,285	7,879	2,594	6,198

For footnotes see p. 775.

No. 727.—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.								
Waste[9]	1923	88	2,745	2,468	25,248	33,701	8,453	12,347
	1921	87	1,863	1,429	12,633	16,791	4,158	----------
	1919	98	2,810	2,225	22,719	30,684	7,965	11,837
	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.	1923	658	424,913	696,760	2,872,028	4,161,938	1,289,910	5,943,092
	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.	1923	169	36,712	58,935	827,630	1,007,613	179,983	1,832,919
	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.	1923	489	388,201	637,825	2,044,398	3,154,325	1,109,927	4,110,173
	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.	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 steel works and rolling mills.[10]	1923	126	15,962	20,207	41,874	84,431	42,557	43,036
	1921	125	10,148	10,269	18,548	35,774	17,226	----------
	1919	144	17,967	20,974	44,277	89,744	45,467	49,959
	1914	102	10,558	5,961	12,913	23,403	10,490	28,885
Cast-iron pipe, not made in steel works and rolling mills.[10]	1923	74	21,576	25,020	48,804	92,674	43,870	47,239
	1921	70	12,496	13,136	23,897	44,322	20,425	----------
	1919	59	12,625	14,705	25,386	50,236	24,849	28,741
	1914	59	12,557	7,076	16,930	26,659	9,729	25,864
Doors and shutters, not made in steel works and rolling mills.[10]	1923	37	2,429	4,333	5,604	15,367	9,763	3,981
	1921	45	1,782	2,881	4,289	12,467	8,178	----------
	1919	57	2,077	2,730	4,578	10,877	6,299	4,013
	1914	43	1,985	1,538	1,996	5,184	3,188	3,170
Forgings, not made in steel works and rolling mills.[10]	1923	234	27,468	40,207	92,853	179,011	86,158	136,922
	1921	240	16,740	20,636	44,337	83,151	38,814	----------
	1919	241	28,391	39,773	82,024	173,752	91,728	100,996
	1914	191	10,689	7,487	14,611	28,961	14,350	36,543
Horseshoes, not made in steel works and rolling mills.[10]	1923	10	255	332	737	1,814	1,077	1,341
	1921	12	207	314	955	1,932	977	----------
	1919	20	744	830	1,537	3,367	1,830	3,874
	1914	22	588	362	690	1,786	1,096	1,984
Nails, spikes, etc., not made in steel works and rolling mills.[10]	1923	61	2,849	3,235	7,005	13,300	6,295	10,275
	1921	56	2,412	2,576	5,670	10,976	5,306	----------
	1919	65	3,355	3,308	8,875	17,583	8,708	8,971
	1914	64	2,044	1,508	3,594	7,199	3,605	8,135
Springs, steel, railway, vehicle, heavy machine, etc., not made in steel works and rolling mills.[10]	1923	115	8,634	12,782	31,748	59,392	27,644	25,393
	1921	126	5,358	6,779	16,007	31,750	15,743	----------
	1919	112	8,981	11,158	28,019	51,479	23,460	16,560
	1914	84	3,703	2,602	6,143	11,595	5,452	8,025
Steel barrels, drums, and tanks, portable, not made in steel works and rolling mills.[10,11]	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

For footnotes see p. 775.

No. 727.—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								
Structural and ornamental iron work, not made in steel works and rolling mills.[10]	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	109,059
Iron and steel, processed and welded, not made in steel works and rolling mills.[10, 11]	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 steel works and rolling mills.[10]	1923	53	10,633	17,705	57,966	90,823	32,857	40,912
	1921	57	8,728	11,234	37,093	56,662	19,569	
	1919	50	10,426	14,920	51,156	81,869	30,713	23,925
	1914	36	8,845	5,750	26,296	37,655	11,359	17,532
Firearms	1923	21	6,204	7,593	3,644	17,665	14,021	15,639
	1921	20	4,726	5,731	2,696	12,884	10,188	
	1919	26	11,287	13,333	7,614	30,181	22,567	26,167
	1914	29	7,064	5,067	2,670	10,544	7,874	7,374
Galvanizing and other coating, not done in rolling mills.	1923	51	877	1,184	3,363	6,327	2,964	1,856
	1921	51	685	844	2,161	4,018	1,857	
	1919	52	1,665	2,248	10,532	14,476	3,944	1,571
	1914	48	1,580	922	6,293	8,480	2,187	2,385
Hardware, not elsewhere classified.	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	74,246
	1914	597	43,724	23,831	30,861	77,360	46,499	56,836
Pens, steel and brass	1923	5	475	415	177	1,171	994	267
	1921	4	372	309	173	846	673	
	1919	4	807	679	398	1,679	1,281	305
	1914	5	573	243	117	514	397	244
Plumbers' supplies, not including iron pipe, or marble and porcelain sanitary ware.	1923	234	27,201	38,047	51,469	132,665	81,196	59,977
	1921	220	16,670	20,397	25,760	69,119	43,359	
	1919	214	13,592	15,963	27,797	60,055	32,258	29,695
	1914	260	18,479	11,703	18,670	43,386	24,716	28,112
Safes and vaults	1923	34	3,476	4,694	7,086	19,101	12,015	7,690
	1921	34	3,547	4,793	7,440	19,726	12,286	
	1919	38	2,949	3,233	6,609	15,294	8,685	5,342
	1914	39	2,972	1,860	2,646	7,257	4,611	8,406
Screw-machine products.	1923	180	9,126	11,919	15,796	39,239	23,443	28,954
	1921	160	5,911	6,548	7,577	18,365	10,788	
	1919	143	10,262	12,105	14,984	40,015	25,031	23,517
	1914	66	3,643	2,310	3,058	7,248	4,190	7,848
Screws, wood	1923	10	4,108	5,024	5,769	13,707	7,938	8,550
	1921	8	2,742	2,797	2,462	7,419	4,957	
	1919	11	4,889	4,865	5,552	15,460	9,908	7,764
	1914	12	4,446	1,951	2,350	6,217	3,867	8,044
Steam fittings and steam and hot-water heating apparatus.	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.	1923	345	33,029	45,864	53,397	155,801	102,404	65,366
	1921	357	24,530	29,828	41,000	101,573	60,573	
	1919	412	32,868	41,321	54,803	145,718	90,915	49,408
	1914	438	29,535	20,777	23,802	67,941	44,139	41,118
Stoves and appliances, gas and oil.	1923	243	16,783	22,467	49,171	112,461	63,290	22,298
	1921	155	7,921	9,480	21,218	42,713	21,495	
	1919	176	10,565	12,579	24,472	55,792	31,320	11,290
	1914	113	7,790	5,088	10,153	21,449	11,296	7,937

For footnotes see p. 775.

No. 727.—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								
Tinware, not elsewhere classified.[12]	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.	1923	211	16,671	19,751	17,160	72,477	55,317	43,171
	1921	210	14,345	14,750	14,974	49,341	34,367	----------
	1919	304	19,859	20,048	19,478	66,630	47,152	38,555
	1914	252	16,561	9,076	8,186	25,541	17,355	34,665
Files	1923	37	4,590	5,805	3,840	13,566	9,726	11,155
	1921	39	3,595	3,175	2,309	7,647	5,338	----------
	1919	50	5,767	6,192	4,228	17,617	13,389	11,897
	1914	48	4,349	2,135	1,595	5,608	4,013	8,771
Saws	1923	80	5,420	6,730	9,740	30,787	21,047	13,298
	1921	79	3,788	4,087	6,480	18,185	11,705	----------
	1919	112	5,510	6,281	11,792	31,461	19,669	15,046
	1914	100	4,560	3,020	4,714	12,517	7,803	11,744
Other tools, not including machine tools.	1923	700	29,100	37,169	43,206	123,158	79,952	75,248
	1921	714	19,453	22,644	25,550	70,524	44,974	----------
	1919	1,125	35,585	43,836	45,797	144,202	98,405	67,730
	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.	1923	24	296	446	1,213	2,991	1,778	254
	1921	25	245	366	1,170	2,150	980	----------
	1919	41	316	424	811	2,156	1,345	269
	1914	45	601	457	959	2,051	1,092	486
Wire, drawn from purchased bars or rods (excludes steel works and rolling mills).	1923	64	21,310	29,862	133,883	196,364	62,481	123,923
	1921	61	14,832	17,810	62,705	99,946	37,241	----------
	1919	66	19,741	29,290	102,813	162,151	59,338	119,301
	1914	54	17,600	11,021	56,424	81,841	25,417	83,900
Wirework, not elsewhere classified.	1923	444	16,783	19,340	52,280	100,248	47,968	31,617
	1921	413	11,485	13,314	37,039	66,385	29,346	----------
	1919	558	15,224	15,506	50,754	90,549	39,795	29,036
	1914	552	12,126	6,719	24,114	41,789	17,675	21,405
LUMBER AND ALLIED PRODUCTS								
Lumber and timber products, not elsewhere classified.[13]	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	489,419	470,961	1,387,471	916,510	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.	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	307,673	123,446	410,259
Excelsior	1923	75	1,285	1,206	2,766	5,362	2,596	10,939
	1921	79	1,087	978	2,755	4,213	1,458	----------
	1919	95	1,242	1,144	2,522	4,913	2,391	10,332
	1914	99	1,177	558	1,403	2,516	1,113	10,715
Window and door screens and weather strips.	1923	165	3,687	4,196	9,565	21,256	11,691	9,515
	1921	157	2,129	2,656	6,102	12,038	5,936	----------
	1919	214	2,179	2,047	4,897	10,933	6,036	7,515
	1914	220	3,194	1,894	4,261	9,167	4,906	8,123
Boxes, wooden packing, except cigar boxes.	1923	864	39,154	36,464	94,080	162,858	68,778	149,410
	1921	878	32,595	28,307	73,270	122,588	49,318	----------
	1919	1,140	42,445	36,811	102,946	177,819	74,873	143,583
	1914	1,174	38,548	18,206	52,840	86,567	33,727	124,249
Boxes, cigar, wooden	1923	170	5,101	4,171	6,249	14,796	8,547	6,054
	1921	171	4,657	3,728	6,778	14,317	7,539	----------
	1919	189	5,218	3,512	6,337	13,110	6,773	5,009
	1914	238	5,835	2,299	4,269	8,337	4,068	5,251

For footnotes see p. 775.

No. 727.—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.								
Cooperage	1923	623	12,028	13,183	48,356	73,134	24,778	33,519
	1921	625	9,876	10,108	40,586	56,633	16,047	
	1919	1,099	13,219	14,082	58,521	88,236	29,715	30,688
	1914	1,259	17,128	9,161	32,944	50,017	17,073	38,177
Wooden goods, not elsewhere classified.	1923	196	5,727	5,134	10,292	21,734	11,442	22,438
	1921	196	5,492	4,902	9,938	20,231	10,293	
	1919	245	6,443	5,662	10,173	21,793	11,620	25,874
	1914	274	6,418	2,767	4,952	10,162	5,210	20,383
Wood, turned and carved.	1923	519	11,286	10,925	17,055	38,077	21,022	43,368
	1921	528	9,144	8,615	15,530	31,322	15,792	
	1919	722	10,649	9,307	16,609	34,847	18,238	39,722
	1914	828	11,615	5,645	9,166	19,047	9,881	42,541
Lasts and related products.	1923	64	2,258	3,123	3,197	9,900	6,703	6,995
	1921	67	2,618	3,492	4,336	12,377	8,041	
	1919	64	2,910	3,416	3,933	12,471	8,538	5,539
	1914	66	2,094	1,511	1,343	4,589	3,246	5,227
Furniture [14]	1923	3,043	168,089	204,513	342,236	776,495	434,259	485,347
	1921	3,033	124,311	144,110	253,545	550,164	296,619	
	1919	3,273	140,188	143,112	265,555	579,650	314,095	265,064
	1914	3,324	130,138	73,282	123,734	270,939	147,205	239,661
Refrigerators	1923	132	8,485	10,733	21,695	50,076	28,381	17,136
	1921	116	5,804	7,161	16,314	33,010	16,696	
	1919	122	5,786	5,810	11,949	26,049	14,100	13,029
	1914	134	5,617	3,572	7,343	15,052	7,709	11,151
Billiard and pool tables, bowling alleys, and accessories.	1923	32	876	1,401	2,229	6,236	4,007	2,897
	1921	36	925	1,057	3,377	7,368	3,991	
	1919	49	2,101	2,426	6,101	15,733	9,632	5,261
	1914	54	1,453	985	2,488	4,894	2,406	3,197
Mirror and picture frames.[15]	1923	223	4,496	5,761	6,178	18,642	12,464	4,497
	1921	259	3,846	4,879	5,644	15,448	9,804	
	1919	429	4,708	4,775	7,227	18,385	11,158	4,659
	1914	438	4,787	2,850	4,468	11,014	6,546	4,054
Baskets and rattan and willow ware, not including furniture.	1923	215	5,838	4,453	6,119	14,713	8,594	11,474
	1921	198	4,795	3,651	5,230	11,241	6,011	
	1919	375	4,533	3,309	4,904	11,821	6,917	6,319
	1914	419	4,574	1,923	2,999	6,578	3,579	7,291
Coffins, burial cases, and undertakers' goods.	1923	327	11,593	13,334	31,541	65,558	34,017	27,340
	1921	314	9,956	10,586	27,017	54,796	27,779	
	1919	351	11,890	11,451	31,595	64,377	32,782	22,199
	1914	287	9,468	5,382	13,257	26,325	13,068	18,999
Rules, wood, metal, and other.	1923	11	219	218	239	759	520	714
	1921	11	188	162	138	534	396	
	1919	13	168	142	134	481	347	299
	1914	10	408	224	187	634	447	441
Cork products	1923	39	3,478	3,594	8,046	15,566	7,520	10,052
	1921	45	2,774	2,672	6,773	12,968	6,195	
	1919	62	3,545	3,387	9,135	16,282	7,147	8,556
	1914	52	3,454	1,582	4,751	7,875	3,124	5,786
Matches	1923	22	4,712	4,425	11,786	23,940	12,154	15,388
	1921	22	4,530	4,260	13,240	30,274	17,034	
	1919	21	3,726	3,060	6,853	18,496	11,643	12,947
	1914	20	3,800	1,758	5,202	12,556	7,354	7,457
Pulp goods	1923	40	3,648	4,090	11,269	20,436	9,227	13,605
	1921	60	4,718	5,622	16,252	31,213	14,961	
	1919	40	3,041	3,608	11,382	23,608	12,226	12,273
	1914	24	1,654	884	2,191	4,483	2,292	8,820

For footnotes see p. 775.

No. 727.—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.								
Wood preserving	1923	103	6,520	6,878	50,139	71,083	20,944	37,998
	1921	78	4,153	4,502	34,432	47,422	12,990	----------
	1919	73	3,978	4,342	23,242	33,239	9,997	16,104
	1914	68	2,830	1,785	16,060	21,055	4,995	11,551
Turpentine and rosin	1923	1,203	34,328	15,449	8,973	35,167	26,194	1,932
	1921	1,062	27,422	9,512	6,199	23,301	17,102	----------
	1919	1,191	28,067	16,973	13,930	53,051	39,121	2,276
	1914	1,394	34,817	8,583	5,536	20,990	15,454	2,478
LEATHER AND ITS FINISHED PRODUCTS								
Leather, tanned, curried, and finished.	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.	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	1923	169	3,160	3,895	24,569	37,723	13,154	9,075
	1921	164	2,268	2,842	13,076	19,168	6,092	----------
	1919	172	2,765	3,200	28,157	40,481	12,324	7,012
	1914	151	2,951	2,070	15,480	23,036	7,556	7,385
Boots and shoes, other than rubber.	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.	1923	227	7,133	7,115	68,563	89,291	20,728	6,963
	1921	226	7,049	7,613	56,923	72,692	15,769	----------
	1919	252	9,715	9,125	133,887	161,203	27,316	8,448
	1914	236	7,819	4,052	51,451	59,964	8,513	6,018
Boot and shoe findings, not made in boot and shoe factories.	1923	364	7,865	8,274	27,053	48,012	20,959	12,825
	1921	344	5,917	6,609	22,931	39,117	16,186	----------
	1919	427	8,941	8,187	40,428	62,825	22,397	9,970
	1914	369	6,714	3,226	20,304	28,303	7,999	5,436
Gloves and mittens, leather.	1923	260	10,010	8,545	20,224	38,081	17,857	4,372
	1921	272	7,907	5,843	13,844	24,855	11,011	----------
	1919	355	10,685	8,151	26,286	46,941	20,655	3,288
	1914	352	10,668	4,558	12,171	21,614	9,443	3,308
Pocketbooks, purses, and cardcases.	1923	207	5,518	7,291	16,236	32,732	16,496	1,094
	1921	115	2,715	3,224	6,221	13,085	6,864	----------
	1919	139	2,905	3,062	7,557	14,550	6,993	431
	1914	64	1,466	702	1,784	3,351	1,567	242
Saddlery and harness	1923	472	6,617	6,916	24,460	42,113	17,653	7,761
	1921	593	4,489	4,997	17,665	30,164	12,499	----------
	1919	1,823	10,411	10,849	52,443	83,713	31,270	8,205
	1914	2,551	12,969	7,996	33,086	53,559	20,473	10,362
Trunks, suitcases, and bags.	1923	505	11,441	13,520	32,837	63,023	30,186	7,269
	1921	504	8,712	10,260	23,883	46,549	22,666	----------
	1919	597	11,470	12,464	33,222	63,932	30,710	7,696
	1914	561	9,911	5,540	13,625	26,472	12,847	7,510
Leather goods, not elsewhere classified.	1923	461	7,882	8,944	19,596	40,134	20,538	4,902
	1921	482	8,557	10,329	23,698	47,715	24,017	----------
	1919	503	8,945	9,415	30,036	52,953	22,917	3,840
	1914	378	7,071	3,604	10,632	19,334	8,702	3,233
RUBBER PRODUCTS								
Boots and shoes, rubber.	1923	25	29,435	33,671	45,269	131,740	86,471	56,184
	1921	24	23,888	23,428	32,133	94,033	61,900	----------
	1919	25	32,875	30,883	50,347	116,917	66,570	49,400
	1914	23	18,687	9,986	23,956	53,822	29,866	24,561

No. 727.—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				
RUBBER PRODUCTS—Continued								
Rubber tires and inner tubes.[16]	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.[13]	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
PAPER AND PRINTING								
Paper and wood pulp	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
	1921	738	105,294	127,029	445,902	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.	1923	1,958	99,278	99,765	306,211	558,882	252,671	135,910
	1921	1,880	80,278	76,519	224,416	414,895	190,479	----------
	1919	1,967	94,759	77,408	253,742	463,914	210,172	117,815
	1914	1,759	79,368	36,176	102,277	190,568	88,291	85,670
Bags, paper, not made in paper mills.	1923	64	4,686	4,587	29,375	42,272	12,897	6,108
	1921	57	3,707	3,476	29,797	41,190	11,393	----------
	1919	75	4,168	3,663	33,350	47,264	13,914	4,429
	1914	59	3,505	1,659	12,201	17,603	5,402	3,677
Boxes, paper and other, not elsewhere classified.	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	1923	103	5,048	6,224	12,130	26,023	13,893	4,538
	1921	89	4,152	4,777	8,820	19,538	10,718	----------
	1919	119	5,227	4,550	11,275	24,244	12,969	4,033
	1914	108	2,600	1,459	2,908	6,584	3,676	2,155
Paper patterns	1923	19	929	1,098	1,174	9,259	8,085	971
	1921	18	816	844	1,338	10,531	9,193	----------
	1919	19	403	374	317	1,528	1,211	68
	1914	25	1,073	577	626	3,026	2,400	356
Card cutting and designing.	1923	47	1,207	1,242	2,643	6,109	3,466	1,262
	1921	49	762	803	2,019	4,558	2,539	----------
	1919	75	1,148	959	2,298	5,323	3,025	743
	1914	58	517	265	421	1,055	634	441
Cardboard, not made in paper mills.	1923	15	1,176	1,340	5,332	9,340	4,008	2,354
	1921	20	1,157	1,172	3,914	7,642	3,728	----------
	1919	16	1,425	1,337	4,954	9,139	4,185	3,251
	1914	18	1,159	580	2,962	4,350	1,388	2,685
Envelopes	1923	132	9,241	9,525	27,528	50,752	23,224	9,904
	1921	123	7,944	8,181	24,052	43,911	19,859	----------
	1919	106	8,129	6,650	21,965	39,664	17,699	7,124
	1914	90	6,970	3,378	10,235	18,481	8,246	5,195
Paper goods, not elsewhere classified.	1923	311	14,724	15,562	66,958	116,162	49,204	37,840
	1921	290	11,510	11,807	49,872	84,129	34,257	----------
	1919	308	14,135	12,667	65,295	107,285	41,990	35,369
	1914	310	13,495	6,850	28,120	48,871	20,751	26,890
Wall paper, not made in paper mills.	1923	51	5,412	6,221	16,991	34,756	17,765	11,246
	1921	43	3,988	4,982	16,336	29,148	12,812	----------
	1919	48	4,262	3,882	13,153	23,048	9,895	8,123
	1914	48	4,738	2,703	8,536	15,887	7,351	6,930
Printing and publishing and allied industries, total.	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.	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

For footnotes see p. 775.

No. 727.—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								
Printing and publishing, music.	1923	110	919	1,367	2,253	14,627	12,374	1,231
	1921	107	900	1,247	2,016	14,025	12,009	----------
	1919	160	899	927	2,124	14,592	12,468	634
	1914	180	873	573	1,047	7,271	6,224	594
[illegible]	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.	1923	966	20,728	25,216	23,073	76,959	53,886	15,539
	1921	869	17,465	20,318	19,886	63,854	43,968	----------
	1919	1,113	20,361	18,659	23,235	66,021	42,786	11,037
	1914	1,124	21,693	11,575	13,334	38,104	24,770	10,842
Engraving, steel and copperplate, and plate printing.	1923	377	7,529	10,185	7,957	32,551	24,594	5,738
	1921	367	7,156	9,612	7,609	28,779	21,170	----------
	1919	421	7,014	7,908	6,981	24,209	17,228	5,353
	1914	399	6,859	4,527	3,915	13,786	9,871	5,670
Lithographing	1923	328	16,317	25,067	31,009	91,671	60,662	26,869
	1921	296	13,971	21,085	30,522	79,472	48,950	----------
	1919	331	15,618	18,201	27,718	73,151	45,433	18,550
	1914	336	15,171	11,861	14,017	39,136	25,119	15,024
Other industries related to printing and publishing, total.	1923	949	15,811	31,560	15,146	81,219	66,073	22,970
	1921	887	13,419	25,895	13,621	66,501	52,880	----------
	1919	1,231	14,079	19,892	13,982	60,821	46,839	17,311
	1914	1,248	12,983	11,560	7,409	31,797	24,388	13,855
Engraving (other than steel, copperplate, or wood) chasing, etching, and diesinking.	1923	210	1,887	2,853	2,820	9,121	6,301	2,345
	1921	193	1,276	1,761	1,397	4,850	3,453	----------
	1919	478	1,878	2,391	1,927	7,350	5,423	1,750
	1914	486	1,536	1,076	596	3,134	2,538	1,035
Engraving, wood	1923	24	141	214	42	524	482	26
	1921	24	131	219	139	628	489	----------
	1919	55	235	407	219	1,154	935	67
	1914	72	302	310	96	719	623	68
Photo-engraving, not done in printing establishments.	1923	450	8,521	18,669	6,606	43,660	37,054	5,786
	1921	421	6,971	15,046	5,929	36,215	30,286	----------
	1919	422	6,769	10,424	5,038	29,389	24,351	3,800
	1914	376	6,211	6,167	2,798	15,359	12,561	3,724
Stereotyping and electrotyping, not done in printing establishments.	1923	179	4,096	8,334	3,806	20,596	16,790	12,313
	1921	157	3,617	7,082	3,746	17,359	13,613	----------
	1919	171	3,664	5,003	4,235	15,919	11,684	9,498
	1914	189	3,457	3,001	2,255	8,154	5,899	6,743
[illegible]	1923	68	560	844	1,163	4,806	3,643	1,062
	1921	74	816	1,153	1,714	5,319	3,605	----------
	1919	82	723	799	1,620	4,919	3,299	1,351
	1914	94	423	340	763	2,111	1,348	638
Type founding	1923	18	606	646	709	2,512	1,803	1,438
	1921	18	608	634	696	2,130	1,434	----------
	1919	23	810	868	943	2,090	1,147	845
	1914	31	1,054	666	901	2,320	1,419	1,647
CHEMICALS AND ALLIED PRODUCTS								
Ammunition and related products.	1923	27	10,470	10,817	27,741	51,509	23,768	23,172
	1921	28	8,370	7,896	16,006	32,350	16,344	----------
	1919	42	22,816	23,588	38,102	88,038	49,936	39,128
	1914	32	11,493	6,751	16,277	30,840	14,563	11,354
Explosives	1923	106	6,388	9,112	39,496	75,029	35,533	35,231
	1921	109	4,478	6,610	30,644	59,175	28,531	----------
	1919	118	9,249	12,505	45,911	92,475	46,564	51,635
	1914	111	6,306	4,488	25,627	41,433	15,806	45,778

No. 727.—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								
Fireworks	1923	38	1,224	1,156	1,831	4,977	3,146	941
	1921	37	1,229	1,116	1,917	4,727	2,810	
	1919	57	1,222	995	2,108	4,630	2,522	1,005
	1914	41	1,324	616	1,206	2,296	1,090	707
Baking powders and yeast.	1923	57	3,507	4,920	21,657	51,691	30,034	35,845
	1921	62	3,557	4,479	24,666	52,886	28,220	
	1919	88	3,331	3,554	26,635	46,230	19,595	20,071
	1914	124	2,270	1,241	10,895	22,339	11,444	7,862
Blacking, stains, and dressings.	1923	175	2,165	2,170	10,253	25,822	15,569	2,792
	1921	173	1,666	1,522	9,362	18,453	9,091	
	1919	220	2,455	2,109	14,042	25,284	11,242	2,446
	1914	197	1,766	877	5,129	9,882	4,753	2,442
Bluing	1923	25	188	188	800	1,643	843	296
	1921	33	226	203	1,018	1,883	865	
	1919	57	360	285	1,543	2,731	1,188	423
	1914	66	254	105	489	1,184	695	216
Bone black, carbon black, and lampblack.	1923	68	1,303	1,461	5,295	14,600	9,305	5,567
	1921	45	826	980	3,745	8,181	4,436	
	1919	35	675	808	2,848	6,186	3,338	1,857
	1914	27	339	231	686	1,464	778	1,786
Candles	1923	21	746	751	2,393	5,080	2,687	912
	1921	20	609	590	2,091	3,777	1,686	
	1919	19	541	438	2,179	3,351	1,172	597
	1914	15	387	183	1,119	1,731	612	359
Chemicals, not elsewhere classified.[17]	1923	736	74,896	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.	1923	298	2,376	2,746	13,600	35,443	21,843	6,698
	1921	279	1,687	1,885	10,959	23,178	12,219	
	1919	499	1,955	1,898	12,923	26,703	13,780	4,510
	1914	398	1,239	619	3,895	9,152	5,257	2,543
Coke, not including gas-house coke.	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	1923	24	750	893	6,555	10,562	4,007	4,958
	1921	28	840	1,005	6,805	10,086	3,281	
	1919	31	1,347	1,526	11,557	16,938	5,381	6,723
	1914	29	1,059	583	5,215	8,080	2,865	4,972
Druggists' preparations	1923	389	8,966	9,186	33,364	79,143	45,779	11,255
	1921	408	10,838	11,937	34,574	81,698	47,124	
	1919	524	15,568	12,162	55,138	114,594	59,456	12,670
	1914	416	9,277	4,755	22,935	48,010	25,075	8,368
Patent medicines and compounds.	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	2,993	13,328	6,675	35,940	102,463	66,523	18,326
Perfumery, cosmetics, and toilet preparations.	1923	465	7,761	7,102	37,636	100,241	62,605	6,502
	1921	422	5,838	5,358	28,013	72,541	44,528	
	1919	569	5,405	3,983	26,147	59,613	33,466	2,196
	1914	496	2,897	1,280	7,465	16,899	9,434	1,815
Tanning materials and natural dyestuffs.	1923	125	3,243	3,801	24,033	35,972	11,939	32,833
	1921	123	2,993	3,008	20,106	28,311	8,205	
	1919	144	4,342	4,735	34,593	53,744	19,151	34,295
	1914	112	2,839	1,613	13,238	20,620	7,382	23,288
Fertilizers	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	660	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

For footnotes see p. 775.

No. 727.—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								
Gas manufactured, illuminating and heating.	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, not made in fertilizer factories nor in meat-packing or fish-canning establishments.	1923	50	3,651	4,076	14,591	24,366	9,775	24,708
	1921	47	2,915	3,573	13,402	21,342	7,940	----------
	1919	62	4,264	4,777	19,280	32,134	12,854	16,979
	1914	57	3,129	1,854	9,368	13,733	4,365	13,299
[illegible]	1923	101	663	883	5,976	10,621	4,645	3,204
	1921	98	757	970	5,015	9,930	4,915	----------
	1919	127	803	850	7,093	11,230	4,137	3,202
	1914	127	700	399	3,338	5,695	2,357	2,311
Grease and tallow, not including lubricating greases.	1923	254	5,248	7,004	31,275	48,634	17,359	25,275
	1921	265	4,428	5,429	17,787	27,206	9,419	----------
	1919	482	6,647	7,954	47,756	67,265	19,509	25,544
	1914	369	5,106	3,512	17,061	24,901	7,840	17,935
Lubricating greases	1923	52	603	829	7,260	12,584	5,324	2,972
	1921	50	420	534	5,309	8,912	3,603	----------
	1919	53	472	570	4,808	8,869	4,061	2,178
	1914	77	476	282	2,767	4,919	2,152	2,595
Ink, printing	1923	99	1,975	2,859	14,779	29,412	14,633	14,703
	1921	97	1,676	2,470	10,644	20,869	10,225	----------
	1919	90	1,988	2,575	14,661	26,244	11,583	10,229
	1914	70	1,391	1,064	6,806	13,830	7,024	7,643
Ink, writing	1923	31	578	635	2,653	6,107	3,454	695
	1921	33	504	546	2,062	4,980	2,918	----------
	1919	61	702	596	3,320	6,434	3,114	610
	1914	54	512	263	1,236	2,784	1,548	561
Liquors, distilled, and ethyl alcohol.[18]	1923	30	1,062	1,474	17,770	33,000	15,230	8,129
	1921	33	1,141	1,627	22,269	28,789	6,520	----------
	1919	34	1,380	1,717	19,656	31,854	12,198	16,494
	1914	434	6,295	3,994	40,997	206,779	165,782	51,670
Liquors, malt [18]	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 [18]	1923	38	515	524	2,959	5,831	2,872	2,935
	1921	72	415	417	1,693	4,757	3,064	----------
	1919	342	1,011	1,014	8,116	17,454	9,338	5,189
	1914	318	2,292	1,194	9,489	16,618	7,129	9,339
Oil, cake, and meal, cottonseed.	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
Oil, essential	1923	17	170	237	2,256	3,184	928	1,388
	1921	27	299	364	2,548	3,421	873	----------
	1919	78	321	391	3,903	5,698	1,795	1,833
	1914	105	249	133	1,565	2,314	749	1,959
Oil, cake, and meal, linseed.	1923	34	2,631	3,784	102,690	113,221	10,531	21,674
	1921	28	2,073	3,019	58,452	71,032	12,580	----------
	1919	26	2,173	3,053	100,578	120,638	20,060	17,621
	1914	25	1,488	1,127	39,555	44,882	5,327	15,511
Oil not elsewhere classified, not made in petroleum refineries.	1923	211	4,271	5,460	84,201	118,158	33,957	18,431
	1921	245	3,536	3,898	74,550	93,275	18,725	----------
	1919	280	5,930	6,141	119,271	156,480	37,209	30,067
	1914	181	2,049	1,363	26,420	38,040	11,620	10,489
Paints	1923	602	17,182	21,830	184,206	291,124	106,918	93,127
	1921	582	13,877	17,432	127,264	203,071	75,807	----------
	1919	601	17,485	19,550	165,604	256,714	91,110	73,330
	1914	585	13,349	8,315	71,588	112,409	40,821	59,960

For footnotes see p. 775.

No. 727.—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								
Varnishes	1923	224	5,636	8,041	64,749	113,011	48,262	21,154
	1921	222	4,138	5,861	44,134	71,239	27,105	----------
	1919	229	4,022	4,568	51,508	83,633	32,125	11,497
	1914	215	2,734	1,865	16,877	33,215	16,338	7,632
Petroleum refining	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	1923	75	6,809	8,130	16,477	36,837	20,360	58,101
	1921	79	5,993	7,148	16,407	33,158	16,751	----------
	1919	86	6,495	7,353	16,028	37,514	21,486	42,051
	1914	98	5,089	3,041	6,273	14,070	7,797	29,007
Soap	1923	270	17,003	20,776	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.	1923	37	2,357	3,456	11,695	24,405	12,710	19,131
	1921	36	2,832	4,137	9,770	21,463	11,693	----------
	1919	39	4,961	7,917	15,857	31,471	15,614	30,637
	1914	32	3,064	2,213	6,734	15,215	8,481	21,002
Wood distillation and charcoal manufacture.	1923	123	4,123	4,325	17,269	29,695	12,426	14,910
	1921	108	2,130	1,914	6,728	9,677	2,949	----------
	1919	156	5,155	5,466	20,321	33,135	12,814	15,320
	1914	142	3,010	1,646	6,729	10,284	3,555	10,179
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a material, total.	1923	4,560	113,905	162,550	258,647	670,503	411,856	1,049,979
	1921	4,701	83,113	108,644	208,805	456,222	247,417	----------
	1919	7,921	91,384	106,323	186,160	440,641	254,481	786,224
	1914	9,485	115,085	74,315	118,813	276,568	157,755	802,434
Artificial stone products, not including paving and roofing.	1923	1,128	10,766	14,834	20,485	53,602	33,117	30,748
	1921	1,123	6,984	8,691	13,483	31,768	18,285	----------
	1919	2,785	8,378	9,311	13,913	33,664	19,751	22,178
	1914	3,548	10,255	6,308	8,904	21,934	13,030	20,274
Marble, slate, and stone work.	1923	2,691	40,056	61,599	66,883	191,538	124,655	213,133
	1921	2,925	30,260	44,135	53,067	137,241	84,174	----------
	1919	4,240	32,768	38,355	49,524	129,165	79,641	169,177
	1914	4,901	54,891	37,960	37,802	107,055	69,253	206,115
Lime	1923	301	12,290	13,522	19,700	47,244	27,544	74,205
	1921	292	10,345	9,802	14,214	31,015	16,801	----------
	1919	476	11,405	10,869	14,297	33,971	19,674	51,735
	1914	627	12,429	6,040	7,558	18,391	10,833	39,079
Cement	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.	1923	195	9,289	14,894	33,124	73,801	40,677	62,520
	1921	144	4,898	6,997	16,117	32,354	16,237	----------
	1919	161	5,123	5,833	11,822	26,875	15,053	32,356
	1914	165	5,339	3,453	7,993	16,544	8,551	36,599
Asbestos products, other than textiles, steam packing, or pipe and boiler covering.[5]	1923	26	2,005	2,422	6,251	12,270	6,019	9,956
	1921	15	948	1,119	2,825	5,859	3,034	----------
	1919	30	1,661	2,036	4,276	8,522	4,246	4,080
	1914	32	962	484	1,360	2,814	1,454	[10] 2,801
Emery and other abrasive and polishing appliances.	1923	57	3,595	4,708	10,698	25,307	14,609	11,530
	1921	53	2,849	2,876	6,184	12,559	6,375	----------
	1919	60	5,601	5,879	12,228	30,949	18,721	12,963
	1914	49	2,387	1,491	3,006	7,130	4,124	4,020

For footnotes see p. 775.

No. 727.—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								
Grindstones, pulpstones, and millstones.[20]	1923	21	647	691	560	2,096	1,536	3,896
	1921	17	503	515	458	1,499	1,041	----------
	1919	35	712	642	270	1,436	1,166	3,763
	1914	14	686	323	116	684	568	2,160
Hones, whetstones, and similar products.	1923	8	166	172	179	546	367	1,151
	1921	7	95	93	97	300	203	----------
	1919	11	212	203	320	794	474	1,164
	1914	16	170	64	87	260	173	864
Industries using clay as a material, total.	1923	2,765	151,758	185,980	155,980	500,220	344,240	618,194
	1921	2,650	107,001	120,561	109,275	317,276	208,001	----------
	1919	3,489	122,834	128,205	110,143	344,492	234,349	576,503
	1914	4,140	134,986	76,475	62,831	192,412	129,581	518,770
Clay products (other than pottery) and nonclay refractories.[21]	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
Sand-lime brick	1923	31	582	698	946	2,408	1,462	4,332
	1921	26	374	361	501	1,220	719	----------
	1919	32	504	502	575	1,663	1,088	4,358
	1914	45	557	322	350	994	644	5,606
Pottery, including porcelain ware.	1923	304	36,824	46,706	33,600	114,392	80,792	44,532
	1921	271	28,458	35,356	25,227	84,217	58,990	----------
	1919	340	27,934	29,820	20,794	74,919	54,125	29,040
	1914	350	26,705	16,666	12,032	36,943	24,911	22,337
China firing and decorating, not done in potteries.	1923	33	355	460	609	1,493	884	49
	1921	34	325	398	504	1,242	738	----------
	1919	43	244	244	311	867	556	43
	1914	51	295	160	330	727	397	22
Crucibles	1923	13	516	627	1,226	3,468	2,242	1,647
	1921	17	412	496	827	1,970	1,143	----------
	1919	22	848	923	2,233	5,294	3,061	2,714
	1914	10	302	171	1,270	1,886	616	875
Graphite, ground and refined.	1923	8	244	304	1,082	2,184	1,102	2,700
	1921	11	152	185	703	1,457	754	----------
	1919	24	497	434	1,093	2,240	1,147	7,445
	1914	11	250	181	723	1,724	1,001	2,602
Minerals and earths, ground or otherwise treated.	1923	243	8,707	10,168	13,301	35,309	22,008	83,471
	1921	272	6,887	7,298	11,522	26,174	14,652	----------
	1919	419	14,426	16,310	16,270	46,067	29,797	127,064
	1914	244	4,707	2,485	4,561	10,307	5,746	44,067
Statuary and art goods, factory product.	1923	150	1,807	3,244	1,898	7,550	5,652	887
	1921	138	1,634	2,741	1,715	6,667	4,952	----------
	1919	195	1,466	1,716	1,379	5,019	3,640	682
	1914	190	1,988	1,583	842	3,910	3,068	781
Glass and manufactures of glass, total.	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	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.	1923	434	5,157	6,042	11,809	25,027	13,218	4,732
	1921	462	4,682	5,574	10,803	22,209	11,401	----------
	1919	616	6,480	6,155	14,358	28,443	14,085	5,042
	1914	635	8,067	4,670	7,143	16,446	9,303	5,358
Mirrors, framed and unframed.	1923	195	3,464	4,879	20,091	33,468	13,377	5,722
	1921	180	2,368	3,233	10,082	16,740	6,658	----------
	1919	186	2,599	2,819	12,499	20,831	8,332	4,233
	1914	182	3,184	1,968	6,014	10,189	4,175	4,480

For footnotes see p. 775.

No. 727.—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 AND PRODUCTS, EXCEPT IRON AND STEEL								
Metals, total	1923	1,223	67,972	93,384	446,696	644,173	197,477	318,951
	1921	1,115	42,869	50,380	202,052	297,607	95,555	----------
	1919	1,329	78,919	98,925	417,039	613,987	196,948	280,071
	1914	1,206	42,382	26,583	162,896	217,398	54,502	129,525
Babbitt metal, white metal, type metal, and solder.	1923	83	1,497	1,969	33,964	41,487	7,523	4,004
	1921	98	1,372	1,880	22,355	26,255	3,900	----------
	1919	118	2,372	2,882	48,844	59,017	10,173	6,020
	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.	1923	1,035	64,713	88,839	331,756	511,470	179,714	305,839
	1921	911	39,830	46,260	130,627	214,904	84,277	----------
	1919	1,092	75,051	94,132	304,824	482,313	177,489	265,373
	1914	992	40,306	25,084	115,487	162,199	46,712	121,974
Gold, silver, and platinum, reducing and refining, not from the ore.	1923	76	901	1,361	65,089	71,921	6,832	4,620
	1921	77	785	1,131	41,056	45,974	4,918	----------
	1919	87	644	844	49,737	55,483	5,746	3,141
	1914	78	456	391	25,709	28,588	2,879	2,061
Lead, bar, pipe, and sheet.	1923	29	861	1,215	15,887	19,295	3,408	4,488
	1921	29	882	1,109	8,014	10,474	2,460	----------
	1919	32	852	1,067	13,634	17,174	3,540	5,537
	1914	27	585	407	6,048	7,431	1,383	2,609
Smelting and refining, total.	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	1923	30	20,735	31,319	546,699	636,868	90,169	432,886
	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
Lead	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	1923	35	11,918	16,896	64,134	94,184	30,050	69,583
	1921	29	5,778	7,244	24,312	37,483	13,171	----------
	1919	39	13,796	17,783	70,015	104,123	34,108	73,604
	1914	29	9,617	6,700	39,573	53,538	13,965	36,705
Metals, not elsewhere classified.[23]	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 [illegible] silver not from the ore.	[illegible]	41	1,587	2,224	29,049	35,785	6,736	9,654
	[illegible]	60	1,200	1,528	10,032	15,150	5,118	----------
	1919	81	2,167	3,093	40,676	50,246	9,570	7,921
	1914	84	2,585	1,884	31,251	39,902	8,651	10,071
Metal products, total.								
	1914	7,851	155,962	94,793	195,566	396,718	201,152	143,003
Aluminum manufactures.	1923	119	16,288	19,844	66,659	106,930	40,271	58,272
	1921	87	9,584	10,836	25,953	45,822	19,869	----------
	1919	83	11,402	13,327	49,272	75,278	26,006	30,280
	1914	37	4,614	2,613	14,421	19,598	5,177	12,297
Bells	1923	9	218	226	328	792	464	426
	1921	9	203	200	277	645	368	----------
	1919	10	237	205	450	951	501	783
	1914	12	445	244	438	970	532	787

For footnotes see p. 775.

No. 727.—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.								
Clocks and time recorders.	1923	38	9,359	9,879	8,172	28,553	20,381	8,285
	1921	37	6,535	6,558	6,591	17,750	11,159	----------
	1919	46	8,252	7,862	7,178	23,380	16,202	6,952
	1914	48	6,754	3,653	4,008	11,032	7,024	5,993
Watches and watch movements.	1923	17	11,571	13,870	8,836	30,630	21,794	7,396
	1921	17	12,174	13,602	5,161	24,397	19,236	----------
	1919	18	15,888	16,599	6,393	32,044	25,651	7,202
	1914	15	12,390	7,524	2,669	14,275	11,606	6,624
Watch and clock materials and parts, except watchcases.	1923	25	396	380	379	1,289	910	170
	1921	23	390	375	357	1,086	729	----------
	1919	27	582	413	549	1,342	793	252
	1914	25	670	380	343	1,015	672	621
Watchcases	1923	57	4,325	5,414	7,499	17,817	10,318	5,710
	1921	37	3,698	4,217	5,625	13,806	8,181	----------
	1919	33	3,900	4,001	8,206	19,619	11,413	4,275
	1914	31	3,514	1,938	4,002	7,831	3,829	2,369
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1923	2,524	28,852	42,446	93,507	188,908	95,401	34,243
	1921	3,105	25,172	36,562	75,896	148,776	72,880	----------
	1919	4,796	27,640	33,867	80,898	160,314	79,416	24,130
	1914	4,527	28,714	20,518	50,174	94,891	44,717	21,275
Fire extinguishers, chemical.	1923	26	762	847	3,366	6,152	2,786	1,235
	1921	31	580	626	2,081	4,254	2,173	----------
	1919	32	777	751	2,693	5,563	2,870	855
	1914	27	256	200	574	1,298	724	269
Stamped and enameled ware, not elsewhere classified.	1923	329	35,237	42,636	84,518	170,923	86,405	68,326
	1921	324	24,192	26,862	48,233	100,585	52,352	----------
	1919	323	34,248	34,851	65,457	143,654	78,197	51,283
	1914	270	28,731	15,243	32,472	65,121	32,649	34,561
Gas and electric fixtures, not including lamps and reflectors.	1923	350	12,315	15,654	25,966	61,750	35,784	13,818
	1921	308	9,419	11,060	18,788	42,890	24,102	----------
	1919	341	9,795	9,802	20,259	42,268	22,009	9,656
	1914	460	10,913	6,504	14,090	28,740	14,650	9,643
Lamps and reflectors, not including electric bulbs.	1923	185	10,604	13,443	26,674	57,229	30,555	16,716
	1921	157	6,447	7,463	14,014	29,164	15,150	----------
	1919	171	8,360	9,293	18,429	38,099	19,670	12,622
	1914	151	7,134	4,173	8,012	16,638	8,626	8,570
Needles, pins, hooks and eyes, and snap fasteners.	1923	49	6,834	6,703	7,796	22,147	14,351	10,367
	1921	68	6,542	5,542	6,163	18,896	12,733	----------
	1919	92	9,294	8,810	10,227	29,305	19,078	8,423
	1914	49	5,339	2,507	3,242	7,891	4,649	4,783
Gold and silver, leaf and foil.	1923	64	918	934	1,897	3,562	1,665	281
	1921	72	1,104	1,042	4,995	7,014	2,019	----------
	1919	87	950	984	2,655	4,461	1,806	408
	1914	79	1,135	498	1,452	2,432	980	360
Jewelry	1923	1,622	26,354	36,424	83,983	174,034	90,051	16,851
	1921	1,671	23,482	29,938	58,059	127,231	69,172	----------
	1919	2,054	30,871	35,864	110,451	203,939	93,488	15,096
	1914	1,914	28,289	18,302	39,116	81,006	41,890	13,862
Pens, gold	1923	15	428	658	1,257	2,320	1,063	191
	1921	12	289	376	632	1,335	703	----------
	1919	15	416	517	962	1,801	839	145
	1914	12	246	174	302	642	340	138
Silversmithing and silverware.	1923	98	4,972	7,330	10,859	27,207	16,348	7,284
	1921	103	5,287	7,151	8,965	24,411	15,446	----------
	1919	99	6,453	7,359	13,061	29,126	16,065	6,843
	1914	108	7,070	4,795	8,275	19,786	11,511	7,899
Plated ware	1923	83	12,118	15,641	19,814	53,899	34,085	22,390
	1921	66	9,535	10,664	12,409	33,944	21,535	----------
	1919	68	9,492	10,913	17,766	41,635	23,869	14,212
	1914	72	8,717	5,001	8,304	18,484	10,180	10,494

No. 727.—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.								
Tin and other foils, not including gold and silver; collapsible tubes.	1923	24	3,323	3,522	14,515	23,465	8,950	12,595
	1921	22	2,178	2,557	9,265	14,037	4,772	
	1919	15	1,908	1,759	13,008	17,921	4,913	6,991
	1914	14	1,031	528	3,672	5,068	1,396	2,458
Electroplating	1923	446	3,374	5,195	2,613	12,297	9,684	9,505
	1921	392	2,460	3,563	1,960	8,041	6,081	
	1919	515	3,024	3,794	2,639	10,390	7,751	6,788
	1914	479	2,584	1,713	1,336	4,773	3,437	5,308
TOBACCO MANUFACTURES.								
Tobacco—chewing and smoking, and snuff.	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.	1923	3,466	130,036	107,723	360,491	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.	1923	312	30,962	40,510	63,492	151,286	87,794	121,975
	1921	353	30,359	39,835	87,267	163,817	76,550	
	1919	521	54,368	66,705	144,572	304,961	160,389	128,249
	1914	601	48,459	34,593	73,509	164,087	90,578	121,256
Cash registers and calculating machines.	1923	37	14,971	22,775	12,483	95,106	82,623	29,872
	1921	49	9,786	13,243	9,573	53,653	44,080	
	1919	65	16,544	22,537	10,890	83,539	72,649	14,645
	1914	52	8,956	6,110	3,992	30,520	26,528	10,619
Electrical machinery, apparatus, and supplies.	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.	1923	249	48,495	70,878	124,543	266,997	142,454	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.[28]	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.	1923	61	6,127	7,757	14,332	34,250	19,918	7,364
	1921	65	4,280	5,212	9,000	21,956	12,956	
	1919	105	5,589	5,996	10,647	26,267	15,620	8,586
	1914	123	4,972	3,310	6,118	15,184	9,066	5,681
Machine tools [28]	1923	350	33,373	47,337	40,977	137,206	96,229	109,196
	1921	348	21,307	25,252	23,978	67,729	43,751	
	1919	403	53,111	66,179	59,034	212,400	153,366	100,294
Pumps (hand and power) and pumping equipment.	1923	229	14,550	19,991	34,465	92,930	58,465	38,286
	1921	221	12,186	13,969	26,804	69,962	43,158	
	1919	239	16,072	19,732	36,069	85,401	49,332	32,441
	1914	183	8,322	5,555	9,459	24,214	14,755	17,141
Scales and balances	1923	65	4,245	5,500	6,595	24,157	17,562	9,615
	1921	65	3,720	4,428	4,716	15,885	11,169	
	1919	79	5,432	6,534	6,994	20,641	13,647	7,441
	1914	83	4,467	2,934	3,174	9,734	6,560	6,187

For footnotes see p. 775.

No. 727.—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.								
Sewing machines, cases, and attachments.	1923	40	13,435	17,605	17,763	45,967	28,204	22,511
	1921	36	12,569	12,528	14,937	35,608	20,671	----------
	1919	45	19,230	24,494	24,402	57,938	33,537	32,017
	1914	50	18,007	11,091	10,200	27,238	17,038	24,010
Textile machinery and parts.[23]	1923	428	35,672	46,023	49,706	140,661	90,955	56,295
	1921	421	31,025	38,831	44,904	128,935	84,031	----------
	1919	432	31,823	36,529	45,636	122,089	76,453	41,744
Typewriters and supplies.	1923	73	14,963	18,210	13,977	52,498	38,521	11,451
	1921	75	13,381	14,398	10,770	41,790	31,020	----------
	1919	88	15,669	17,009	16,143	52,738	36,594	13,054
	1914	107	11,091	6,967	5,501	24,500	18,999	10,872
Washing machines and clothes wringers, not for use in commercial laundries.	1923	85	6,144	7,839	25,742	50,373	24,631	11,415
	1921	96	4,147	4,898	16,622	30,199	13,577	----------
	1919	105	5,956	6,431	23,389	40,771	17,382	8,816
	1914	111	2,302	1,221	4,149	7,600	3,451	4,898
Windmills and windmill towers.	1923	16	1,101	1,431	2,592	6,311	3,719	2,732
	1921	24	1,383	1,581	3,460	6,530	3,070	----------
	1919	31	1,932	2,145	4,960	9,932	4,972	4,686
	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.	1923	106	4,103	5,842	4,349	15,620	11,271	3,830
	1921	116	3,424	4,520	3,325	12,354	9,029	----------
	1919	240	4,113	3,985	4,445	12,506	8,061	3,219
	1914	241	1,831	1,161	1,023	3,625	2,602	1,765
Musical instruments, organs and orchestrions.	1923	59	1,855	2,662	2,803	9,603	6,800	2,902
	1921	56	2,346	3,343	3,731	10,185	6,454	----------
	1919	68	1,941	1,979	2,217	5,973	3,756	3,245
	1914	85	3,063	1,993	2,660	6,297	3,637	3,666
Musical instruments, pianos.	1923	160	22,208	30,679	54,179	111,160	56,981	26,859
	1921	185	15,836	18,887	38,652	73,640	34,988	----------
	1919	191	22,957	25,474	54,365	107,088	52,723	28,697
	1914	255	23,877	15,705	20,091	62,775	33,684	25,838
Musical instruments, piano and organ materials.	1923	99	9,672	11,243	17,019	38,838	21,820	15,478
	1921	89	5,569	5,970	8,222	18,597	10,375	----------
	1919	113	11,009	10,467	16,693	36,790	20,097	15,716
	1914	138	10,616	5,655	9,502	19,876	10,374	14,569
Phonographs	1923	111	20,491	24,970	45,250	107,311	62,061	41,160
	1921	154	17,938	21,774	41,958	98,213	57,155	----------
	1919	166	28,721	33,963	59,740	158,548	98,808	40,163
	1914	18	9,381	6,341	7,048	27,116	20,068	11,688
TRANSPORTATION EQUIPMENT								
Motor vehicles (not including motorcycles).	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 parts.	1923	2,120	163,530	253,147	564,107	1,013,113	449,006	463,080
	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
Motorcycles, bicycles, and parts.	1923	39	6,576	8,010	18,063	32,259	14,256	14,840
	1921	46	4,308	4,981	10,323	23,098	12,775	----------
	1919	51	10,886	12,763	25,986	53,106	27,120	14,420
	1914	78	6,680	4,739	10,928	22,234	11,306	8,718
Carriages, wagons, sleighs, and sleds.[24]	1923	384	7,740	8,874	17,375	34,681	17,306	25,054
	1921	826	7,797	9,627	16,076	31,659	15,583	----------
	1919	2,286	18,173	19,393	48,362	91,463	43,101	40,316
	1914	4,601	41,304	26,498	52,173	106,697	54,524	74,241

For footnotes see p. 775.

No. 727.—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.								
Carriage, wagon, sleigh, and sled materials.	1923	109	1,983	1,591	4,004	7,313	3,309	10,647
	1921	141	2,747	2,555	6,135	10,787	4,652	----------
	1919	258	6,509	5,667	14,735	26,765	12,030	23,672
	1914	456	11,087	6,059	13,546	24,850	11,304	38,195
Carriages and sleds, children's.	1923	100	8,324	8,856	15,936	34,173	18,237	9,376
	1921	89	5,460	5,578	9,517	21,717	12,200	----------
	1919	103	6,686	6,229	11,700	24,507	12,807	6,071
	1914	92	5,900	3,181	5,682	11,752	6,070	5,652
Aircraft and parts	1923	33	2,901	4,522	3,830	12,945	9,115	5,443
	1921	21	1,395	2,202	2,407	6,642	4,235	----------
	1919	31	3,543	4,907	7,127	14,373	7,246	12,512
	1914	16	168	135	134	790	656	195
Locomotives, not made in railroad repair shops.	1923	19	30,672	51,867	124,262	215,393	91,131	91,214
	1921	22	16,583	20,473	55,412	102,023	46,611	----------
	1919	17	26,715	38,799	72,376	156,270	83,894	96,504
	1914	19	17,391	11,085	23,546	43,374	19,828	50,373
Cars, steam-railroad, not built in railroad repair shops.	1923	131	76,612	123,297	396,348	575,277	178,929	240,074
	1921	108	45,121	67,746	204,058	325,680	121,622	----------
	1919	99	52,298	78,285	356,085	538,223	182,138	157,790
	1914	103	54,288	41,394	132,200	194,776	62,576	126,337
Cars, electric, not built in railroad repair shops.	1923	8	3,978	5,881	17,312	29,074	11,762	10,028
	1921	10	2,912	3,199	7,880	14,856	6,976	----------
	1919	7	2,920	4,132	12,059	18,442	6,383	9,390
	1914	14	3,840	2,467	6,350	10,495	4,145	9,561
Ship and boat building, steel, including repair work.	1923	125	51,961	76,370	71,905	177,703	105,798	280,373
	1921	126	93,323	137,122	153,818	356,215	202,397	----------
	1919	162	344,014	538,373	643,753	1,456,490	812,737	475,567
	1914	79	33,508	25,166	29,270	66,217	36,947	83,706
Ship and boat building, wooden, including repair work.	1923	442	10,326	14,349	12,653	35,529	22,876	37,339
	1921	514	13,122	18,821	15,550	44,619	29,069	----------
	1919	913	43,432	59,074	66,770	165,872	99,102	77,704
	1914	1,068	10,981	7,765	9,327	22,465	13,138	31,408
Wheelbarrows	1923	12	369	445	1,307	2,692	1,385	1,455
	1921	11	228	276	808	1,455	647	----------
	1919	11	291	271	971	1,680	709	765
	1914	21	323	199	429	942	513	1,198
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	744,065
	1921	1,766	385,096	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.	1923	547	34,925	49,226	31,982	86,413	54,431	62,370
	1921	560	33,279	47,775	36,560	87,312	53,752	----------
	1919	624	31,272	39,073	32,026	75,211	43,185	53,805
	1914	649	26,384	18,645	17,609	38,577	20,968	44,989
MISCELLANEOUS INDUSTRIES								
Artificial and preserved flowers and plants.	1923	233	4,696	4,502	8,692	19,650	10,958	847
	1921	201	3,883	3,821	5,850	14,188	8,338	----------
	1919	224	4,138	3,741	7,605	16,143	9,138	468
	1914	217	4,808	1,991	3,207	7,614	4,407	237
Artificial limbs	1923	108	493	711	613	2,635	2,022	692
	1921	105	500	725	619	2,451	1,832	----------
	1919	177	671	794	774	3,271	2,497	857
	1914	153	488	369	316	1,498	1,182	589
Artists' materials	1923	61	1,411	1,747	4,355	8,639	4,284	4,902
	1921	55	1,008	1,199	3,990	6,960	2,970	----------
	1919	58	926	896	2,687	5,508	2,821	3,206
	1914	44	604	315	2,065	3,238	1,173	1,860

No. 727.—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	1923	444	4,730	4,482	14,934	26,262	11,328	4,960
	1921	459	4,302	3,872	10,417	18,188	7,771	----------
	1919	1,034	6,313	5,709	17,365	30,205	12,840	6,037
	1914	868	5,642	2,624	7,884	14,085	6,201	4,495
Brushes, other than rubber.	1923	306	8,719	9,208	25,570	50,511	24,941	10,276
	1921	277	6,460	6,415	18,665	35,545	16,880	----------
	1919	379	7,968	7,113	19,598	39,006	19,408	7,307
	1914	359	7,213	3,461	9,327	17,894	8,567	6,298
Buttons	1923	336	11,860	11,229	13,200	32,750	19,550	15,384
	1921	346	9,686	8,512	10,406	26,534	16,128	----------
	1919	557	15,577	13,773	16,745	41,840	25,095	15,706
	1914	517	14,511	6,424	8,702	20,712	12,010	14,009
Combs and hairpins, except those made from metal or rubber.	1923	42	2,144	2,267	4,583	8,770	4,187	1,919
	1921	38	1,321	1,277	2,172	4,580	2,408	----------
	1919	45	2,229	1,809	3,169	6,566	3,397	1,588
	1914	66	2,773	1,393	2,853	5,478	2,625	2,453
Dairymen's supplies; creamery equipment; and poultrymen's and apiarists' supplies.	1923	192	5,783	6,643	17,587	39,463	21,876	14,308
	1921	180	3,841	4,414	13,085	27,644	14,559	----------
	1919	244	6,437	7,078	18,527	37,397	18,870	11,756
	1914	236	5,551	3,363	9,248	18,950	9,702	11,639
Dental goods	1923	283	4,607	5,081	17,160	32,423	15,263	3,731
	1921	264	4,137	4,348	13,499	25,812	12,313	----------
	1919	319	5,224	4,464	16,420	29,402	12,982	2,708
	1914	172	3,080	1,616	10,715	16,160	5,445	1,874
Enameling and japanning.	1923	83	1,314	1,713	1,822	5,448	3,626	2,727
	1921	64	615	1,018	1,060	2,520	1,460	----------
	1919	110	989	1,051	1,172	3,416	2,244	1,484
	1914	112	1,542	798	1,064	2,547	1,483	1,715
Engravers' materials	1923	24	224	392	1,359	2,303	944	832
	1921	22	184	302	1,046	1,817	771	----------
	1919	21	174	212	1,484	2,248	764	733
	1914	13	106	73	551	768	217	491
Fancy and miscellaneous articles, not elsewhere classified.	1923	542	13,522	13,713	28,531	63,208	34,677	8,098
	1921	509	11,534	11,088	24,384	51,406	27,022	----------
	1919	661	13,961	12,208	32,591	64,054	31,463	8,657
	1914	493	7,399	3,567	8,429	17,659	9,230	4,465
Feathers, plumes, and manufactures thereof.	1923	131	1,712	1,968	3,400	7,867	4,467	410
	1921	135	2,064	2,145	4,298	8,887	4,589	----------
	1919	216	3,504	3,406	6,695	15,378	8,683	502
	1914	239	4,483	1,988	6,102	11,451	5,349	308
Foundry supplies	1923	64	966	1,162	4,823	10,248	5,425	7,736
	1921	50	567	676	2,775	4,966	2,191	----------
	1919	76	906	1,032	5,667	9,955	4,288	6,327
	1914	57	555	301	997	2,013	1,016	4,689
Fuel, manufactured	1923	15	364	511	3,907	5,584	1,677	7,623
	1921	14	371	484	2,280	3,178	898	----------
	1919	11	171	222	1,386	1,974	588	5,180
	1914	14	141	112	609	863	254	3,444
Fur goods	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	1923	162	5,203	8,381	7,242	25,467	18,225	7,776
	1921	126	4,429	6,759	6,071	19,157	13,086	----------
	1919	141	5,075	7,098	6,339	20,385	14,046	5,421
	1914	96	1,525	923	906	2,875	1,969	2,207
Hair work	1923	113	1,317	1,352	5,568	11,264	5,696	17
	1921	128	1,222	1,256	6,734	10,952	4,218	----------
	1919	198	1,084	1,065	3,829	6,963	3,134	119
	1914	205	1,193	581	1,529	3,335	1,806	68

No. 727.—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								
Hand stamps and stencils and brands.	1923	255	2,312	3,035	3,103	11,131	8,028	2,571
	1921	234	2,068	2,657	2,785	9,079	6,294	----------
	1919	382	2,136	2,262	3,148	9,337	6,189	1,848
	1914	384	1,767	1,149	1,425	4,486	3,061	1,355
Hats, straw	1923	97	6,812	7,523	16,341	32,569	16,228	3,673
	1921	110	5,924	6,415	14,560	28,617	14,057	----------
	1919	148	7,302	6,605	16,910	32,187	15,277	3,382
	1914	149	9,483	5,253	14,086	25,444	11,358	5,144
Instruments, professional and scientific.	1923	258	12,275	15,503	18,040	63,074	45,034	16,203
	1921	266	9,384	11,700	13,326	42,132	28,806	----------
	1919	351	15,931	17,500	19,495	58,137	38,642	12,981
	1914	307	7,107	4,652	5,582	17,495	11,913	6,731
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1923	30	603	663	1,121	2,441	1,320	880
	1921	39	674	690	1,144	2,395	1,251	----------
	1919	44	842	735	1,294	2,817	1,523	879
	1914	54	795	391	958	1,896	938	650
Jewelry and instrument cases.	1923	111	2,977	2,904	4,417	10,506	6,089	1,662
	1921	107	2,241	2,088	2,713	7,036	4,323	----------
	1919	142	2,734	2,148	3,506	8,126	4,620	1,075
	1914	125	2,393	1,094	1,450	3,621	2,171	1,012
Lapidary work	1923	87	644	1,286	5,887	9,130	3,243	565
	1921	64	399	738	2,840	4,345	1,505	----------
	1919	124	1,155	2,838	19,363	30,051	10,688	680
	1914	89	584	641	3,941	5,360	1,419	534
Mattresses and bed springs, not elsewhere classified.	1923	1,015	14,103	16,473	61,477	107,562	46,085	30,324
	1921	889	11,748	13,547	42,056	74,624	32,568	----------
	1919	1,041	12,637	12,805	49,209	83,953	34,744	23,387
	1914	1,000	11,747	6,723	22,399	38,717	16,318	20,604
Models and patterns, not including paper patterns.	1923	697	5,813	9,766	11,188	30,165	18,977	12,072
	1921	656	3,936	6,027	4,042	15,742	11,700	----------
	1919	928	6,949	10,318	6,396	25,300	18,904	13,750
	1914	762	4,274	3,103	2,045	8,605	6,560	5,801
Motion pictures, not including projection in theaters.[25]	1923	97	6,408	16,601	30,657	86,418	55,761	15,476
	1921	127	6,259	14,740	31,190	77,397	46,207	----------
	1919	50	3,646	6,709	19,579	36,705	17,126	4,169
Optical goods	1923	457	12,205	14,338	19,112	54,462	35,350	13,397
	1921	452	11,120	12,723	16,520	44,292	27,772	----------
	1919	506	14,723	14,388	17,785	53,718	35,933	15,649
	1914	314	7,919	4,649	6,606	18,188	11,582	7,710
Paving materials, other than brick.	1923	627	19,442	22,109	24,842	71,456	46,614	197,290
	1921	653	15,387	17,285	24,474	61,129	36,655	----------
	1919	889	16,072	17,169	16,020	45,741	29,721	191,471
	1914	609	19,540	11,184	14,163	35,678	21,515	137,862
Pencils, lead	1923	20	5,827	5,540	8,659	24,568	15,909	7,288
	1921	14	5,134	5,035	7,260	21,382	14,122	----------
	1919	12	5,970	5,299	9,074	24,134	15,060	8,099
	1914	14	4,330	1,944	4,564	8,328	3,764	3,728
Pens, fountain and stylographic.	1923	53	3,398	3,659	7,909	20,239	12,330	2,710
	1921	51	2,742	3,044	5,620	12,795	7,175	----------
	1919	56	3,207	2,981	5,811	15,997	10,186	1,492
	1914	55	1,154	718	1,614	6,865	5,251	1,157
Photographic apparatus and materials.[26]	1923	111	9,905	13,224	19,253	71,828	52,575	34,791
	1921	136	10,690	13,771	22,836	70,595	47,759	----------
	1919	187	13,465	14,900	33,807	88,393	54,586	24,610
	1914	146	8,674	5,545	11,539	39,041	27,502	16,439
Pipes (tobacco) and cigar and cigarette holders.	1923	30	2,402	2,720	3,828	9,705	5,877	2,354
	1921	36	1,765	1,937	2,826	7,124	4,298	----------
	1919	56	2,539	2,555	3,497	11,554	8,057	2,001
	1914	47	2,354	1,188	2,308	4,220	1,912	1,641

For footnotes see p. 775.

No. 727.—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								
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings.	1923	122	7,665	10,826	55,520	84,342	28,822	39,598
	1921	136	6,908	9,213	45,013	76,193	31,180	----------
	1919	178	8,871	10,344	52,588	85,895	33,307	39,247
	1914	170	4,088	2,642	17,605	27,978	10,373	11,702
Sand, emery, and other abrasive paper and cloth.	1923	14	1,176	1,519	6,870	13,753	6,883	3,694
	1921	12	680	868	3,592	6,462	2,870	----------
	1919	12	771	841	5,061	9,304	4,243	3,977
	1914	12	681	359	2,686	4,328	1,642	3,092
Signs and advertising novelties.	1923	648	12,988	16,429	22,641	67,224	44,583	11,781
	1921	624	10,373	12,703	18,734	53,271	34,537	----------
	1919	779	10,432	9,715	16,072	43,343	27,271	7,714
	1914	776	9,566	5,933	9,059	24,792	15,733	7,345
Soda-water apparatus	1923	66	2,659	3,779	6,712	18,169	11,457	4,238
	1921	62	2,144	3,048	6,496	15,407	8,911	----------
	1919	66	2,599	3,232	6,627	15,185	8,558	4,131
	1914	67	2,229	1,661	3,883	8,781	4,898	3,795
Sporting and athletic goods, not including firearms or ammunition.	1923	170	9,683	10,440	18,493	41,707	23,304	11,091
	1921	152	7,063	7,401	15,401	31,811	16,410	----------
	1919	188	6,412	5,753	11,969	23,840	11,871	6,789
	1914	162	5,602	2,771	6,952	13,235	6,283	4,116
Stationery goods, not elsewhere classified, and manifolding machinery.	1923	225	13,314	14,628	34,714	77,689	42,975	11,539
	1921	221	11,285	12,399	29,606	64,597	34,991	----------
	1919	223	11,261	9,578	28,160	58,363	30,203	8,342
	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.	1923	142	5,064	6,432	15,849	32,991	17,142	17,671
	1921	157	4,877	5,329	15,984	29,112	13,128	----------
	1919	169	6,147	7,103	22,725	40,525	17,800	26,755
	1914	149	4,213	2,525	8,176	14,213	6,037	17,165
Surgical appliances	1923	178	5,375	5,597	23,662	44,968	21,306	9,290
	1921	190	4,310	4,555	14,458	32,495	18,037	----------
	1919	268	6,390	6,084	22,214	43,534	21,320	12,382
	1914	238	4,282	2,211	7,098	14,920	7,822	6,359
Theatrical scenery and stage equipment.	1923	17	210	430	635	1,626	991	162
	1921	18	169	361	492	1,214	722	----------
	1919	17	149	238	505	1,067	562	104
	1914	7	88	89	125	327	202	65
Toys, games, and playground equipment.	1923	411	14,484	13,901	23,829	56,066	32,237	16,111
	1921	382	9,448	8,953	14,569	35,491	20,922	----------
	1919	541	14,201	11,847	19,841	45,657	25,816	14,423
	1914	290	7,887	3,499	5,779	13,757	7,978	6,719
Umbrellas, parasols, and canes.	1923	187	3,776	3,739	18,000	28,395	10,395	2,409
	1921	154	3,149	3,126	16,889	26,008	9,119	----------
	1919	198	3,368	3,140	15,633	25,309	9,676	3,357
	1914	265	4,792	2,167	8,592	13,813	5,221	2,544
Whips	1923	12	200	181	302	742	440	334
	1921	14	292	240	428	1,022	594	----------
	1919	26	717	582	1,097	2,986	1,889	853
	1914	40	1,163	559	1,341	3,162	1,821	1,071
Window shades and fixtures.	1923	305	5,957	6,826	29,521	47,640	18,119	11,450
	1921	242	3,781	4,421	17,888	29,648	11,760	----------
	1919	287	4,411	3,669	18,249	29,191	10,942	8,946
	1914	286	4,077	2,181	11,889	17,444	5,555	6,594
All other industries [26]	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

For footnotes see p. 775.

casings" includes, for 1921, data for "lard not made in [illegible]
For 1923, 1919, and 1914 such data are included with [illegible]

for 1923 but not for earlier years.
can be given for prior years.
4.
men's," for 1914.

" and linoleum for 1919 and 1914.
um" is included in "all other industries," page 774.

[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 page 769.)

[12] "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works and rolling mills" industry.

[13] Includes "pulp wood" for 1914; this industry was not classified separately for 1919, 1921, or 1923.

[14] Includes "show cases" and "store and office fixtures."

[15] Formerly reported as "looking-glass and picture frames."

[16] "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 [illegible]

Coal-tar products" for 1919.
note 2 to Table 726, page 749. At the 1919 and 1921 cen-
eal beverages (near beer and similar soft drinks) and in
e page 752.)

s," page 774.
clay products."

ssified" includes for 1914: "Iron and steel,
s, and tanks, portable," and "textile machin-
at that census.

" includes for 1919 data formerly reported as
of "photographic materials."
wood," 2; "tin plate and terneplate, not made in
establishments; "oakum," 2; "ordnance and acces-
plate and terneplate," 4. For 1919, "butter, rework-
om fiber other than wood," 5; "straw goods, not
4; "whalebone cutting," 1; and "wood carpet," 3.
ordnance and accessories," 2;
rneplate," 31; "whalebone
carpet," 6.

Source: Bureau of the Census, Department of Commerce.

No. 728.—MANUFACTURES IN CITIES HAVING

[NOTE.—As to comparability of 1921 and 1923 figures with

[All figures except number of wage earners

City and State	Average number of wage earners				Wages (thousands of dollars)			
	1914	1919	1921	1923	1914	1919	1921	1923
Akron, Ohio	24,680	65,054	30,173	44,903	17,310	94,779	43,752	71,284
Albany, N. Y	9,371	11,216	8,337	10,542	5,635	10,872	9,149	13,823
Atlanta, Ga	12,585	15,739	12,660	16,005	6,004	14,512	11,871	16,116
Baltimore, Md	73,769	97,814	76,442	90,232	35,509	103,129	79,280	93,698
Birmingham, Ala	10,863	17,264	8,778	14,817	6,505	19,894	9,720	16,595
Boston, Mass	78,894	88,759	70,493	82,978	49,444	96,401	86,181	107,875
Bridgeport, Conn.[2]	30,042	42,862	25,892	33,207	16,929	51,812	27,090	37,882
Buffalo, N. Y	54,416	75,899	54,565	70,092	34,818	95,702	70,366	96,573
Cambridge, Mass	16,749	22,550	17,073	25,674	10,217	22,842	19,345	30,999
Camden, N. J	22,541	40,906	33,192	27,842	12,978	53,630	44,119	38,413
Chicago, Ill	313,710	403,942	311,215	385,685	213,737	507,754	444,054	571,725
Cincinnati, Ohio[2]	59,861	69,680	57,263	65,695	33,159	68,650	66,546	78,760
Cleveland, Ohio[2]	103,317	157,730	103,396	141,648	67,351	211,206	133,034	205,388
Columbus, Ohio	17,236	26,751	21,202	27,618	11,177	30,979	26,959	37,236
Dallas, Tex	5,284	7,913	6,594	8,143	3,464	7,963	8,378	9,420
Dayton, Ohio	24,061	31,131	20,348	29,665	14,076	39,680	26,127	41,779
Denver, Colo.[2]	11,062	16,635	13,348	15,629	7,942	19,342	18,191	19,942
[illegible]	5,306	7,085	6,833	9,558	3,560	7,559	9,453	12,665
[illegible]	99,603	167,016	95,376	171,025	69,447	245,434	150,620	282,741
[illegible]	36,834	37,015	35,131	37,018	16,131	30,514	31,259	35,509
Fort Worth, Tex	2,308	4,452	3,201	6,249	1,542	5,082	4,570	7,558
Grand Rapids, Mich	17,427	23,548	19,353	24,033	10,296	26,170	24,787	32,669
Hartford, Conn.[3]	17,137	26,264	18,952	23,611	11,312	31,441	22,200	30,354
Houston, Tex	5,607	9,860	7,848	9,242	3,590	10,402	9,336	11,851
Indianapolis, Ind	30,971	49,977	33,569	45,818	19,042	52,410	41,096	54,364
Jersey City, N. J	31,021	36,981	30,026	33,264	17,651	42,613	38,352	44,736
Kansas City, Kans.[3]	13,095	22,839	13,999	16,264	8,176	27,130	17,174	19,460
Kansas City, Mo	16,252	22,137	19,722	22,956	10,504	23,742	25,893	29,118
Los Angeles, Calif	23,744	47,118	41,713	55,467	18,277	55,111	58,112	81,468
Louisville, Ky	25,930	29,902	28,815	37,620	14,196	28,886	31,636	42,145
Lowell, Mass	29,904	30,111	24,721	27,162	14,002	29,865	24,290	28,256
Memphis, Tenn	8,389	11,963	8,208	10,508	4,901	10,482	8,344	10,836
Milwaukee, Wis	61,839	84,222	61,036	74,590	36,270	89,921	76,941	93,424
Minneapolis, Minn	28,295	38,154	28,810	33,462	18,895	41,275	36,157	41,163
Nashville, Tenn	8,573	10,666	11,120	11,685	4,321	9,362	11,118	10,735
New Bedford, Mass	33,343	41,630	32,766	37,917	16,558	40,012	28,953	41,146
New Haven, Conn	24,993	30,874	21,297	26,108	14,462	31,435	22,752	30,648
New Orleans, La	17,348	26,641	20,288	21,575	8,538	24,614	19,412	18,737
New York, N. Y	585,279	638,775	536,665	579,005	357,498	805,822	764,597	851,186
Newark, N. J	63,084	86,707	57,798	70,066	36,647	104,322	69,281	89,465
Norfolk, Va	5,263	5,119	4,678	5,083	2,258	5,982	5,491	5,875
Oakland, Calif	7,706	23,347	16,187	15,027	5,966	31,579	23,090	21,096
Omaha, Nebr.[3]	8,922	21,304	16,061	18,142	5,810	27,230	21,057	23,195
Paterson, N. J.[3]	30,925	37,217	31,345	33,247	16,195	38,597	35,427	41,277
Philadelphia, Pa	251,286	281,105	226,042	274,319	138,249	326,792	270,267	356,438
Pittsburgh, Pa.[3]	69,620	83,290	57,301	76,665	45,068	109,859	74,286	110,466
Portland, Oreg	11,273	26,813	15,436	21,534	8,542	38,758	19,990	28,244
Providence, R. I	44,176	53,372	38,568	45,495	24,482	53,178	40,810	52,970
Reading, Pa	24,131	29,122	26,668	28,712	11,885	29,624	27,392	34,775
Richmond, Va.[2]	17,282	21,759	14,497	18,833	8,440	19,843	13,748	18,995
Rochester, N. Y.[1]	44,113	63,792	54,168	58,649	26,600	69,246	70,072	77,646
St. Louis, Mo	85,058	107,919	88,619	113,253	51,150	108,557	104,135	135,468
St. Paul, Minn	19,483	22,649	18,059	22,841	12,796	24,449	24,291	29,108
Salt Lake City, Utah	4,931	6,362	4,741	6,224	3,801	7,153	6,173	7,509
San Antonio, Tex	4,083	6,614	4,833	5,581	2,412	5,794	5,072	5,335
San Francisco, Calif.[3]	31,758	48,550	37,353	43,638	25,289	59,704	53,972	61,376
Scranton, Pa	12,559	14,467	12,789	13,093	6,040	11,978	12,748	13,537
Seattle, Wash.[4]	12,429	40,843	13,699	17,842	9,935	63,395	19,142	25,323
Spokane, Wash	3,020	4,752	4,191	4,580	2,465	5,419	5,131	5,973
Springfield, Mass	14,240	18,429	14,688	19,089	9,350	19,796	18,155	23,965
Syracuse, N. Y	17,551	28,153	18,520	23,921	11,031	31,858	22,799	31,631
Toledo, Ohio	27,076	42,090	23,077	41,613	18,124	53,363	29,400	57,537
Trenton, N. J	19,828	24,547	18,586	24,045	11,134	27,858	21,670	30,913
Washington, D. C	8,877	10,482	8,640	9,823	6,069	13,189	12,955	14,796
Wilmington, Del	15,048	21,420	11,093	14,993	8,674	29,347	11,769	19,041
Worcester, Mass	29,452	38,673	26,698	36,449	17,633	44,440	31,220	47,244
Yonkers, N. Y	12,650	11,932	11,759	14,005	6,455	14,002	14,808	18,803
Youngstown, Ohio	15,861	19,414	13,169	20,516	12,349	38,319	19,108	35,202

[1] Data not available for 1923.
[2] Statistics for 1921 include data for one establishment located elsewhere in the State.

IN 1920 100,000 OR MORE INHABITANTS

those of previous censuses, see general note, p. 745]

in thousands of dollars; that is, 000 omitted]

Value of products				Value added by manufacture[1]			City and State
1914	1919	1921	1923	1914	1919	1921	
122,292	558,962	305,773	406,837	56,230	244,590	119,156	Akron, Ohio.
25,211	45,455	41,172	53,026	13,811	23,972	21,356	Albany, N. Y.
41,279	113,992	79,815	122,284	18,162	46,121	34,260	Atlanta, Ga.
215,172	677,879	469,508	654,766	94,639	250,123	183,632	Baltimore, Md.
43,144	127,214	45,182	89,423	17,632	40,395	21,844	Birmingham, Ala.
284,802	618,922	483,067	583,600	134,234	269,316	231,166	Boston, Mass.
85,120	208,090	108,400	148,856	40,394	125,777	53,977	Bridgeport, Conn.[2]
247,516	634,410	431,383	590,692	89,520	233,789	163,782	Buffalo, N. Y.
57,484	127,865	117,955	185,524	25,949	58,738	60,782	Cambridge, Mass.
71,824	218,165	186,422	180,766	35,730	105,061	100,322	Camden, N. J.
1,483,498	3,657,424	2,485,819	3,323,341	581,565	1,278,182	1,068,644	Chicago, Ill.
210,860	500,041	404,015	434,176	96,753	203,761	186,812	Cincinnati, Ohio.[2]
352,418	1,091,577	683,803	1,096,503	153,925	478,128	305,200	Cleveland, Ohio.[3]
57,608	184,022	146,132	186,843	26,972	71,303	69,794	Columbus, Ohio.
31,065	93,650	70,699	92,189	11,495	28,147	26,151	Dallas, Tex.
71,071	174,991	124,797	187,934	38,117	96,530	71,402	Dayton, Ohio.
46,982	125,411	98,364	120,790	18,946	46,071	41,424	Denver, Colo.[3]
23,747	59,831	72,288	102,919	11,472	26,540	32,763	[illegible]
400,348	1,234,520	764,506	1,438,247	178,099	578,607	315,367	[illegible]
64,663	163,246	133,408	172,396	27,502	67,065	62,538	Fall River, Mass.
9,974	38,160	25,102	75,163	4,142	12,503	10,431	Fort Worth, Tex.
49,792	109,135	101,671	130,278	25,797	57,973	54,807	Grand Rapids, Mich
42,831	118,003	77,914	101,894	25,187	69,684	45,799	Hartford, Conn.[3]
25,868	86,874	73,745	89,134	9,744	29,082	26,305	Houston, Tex.
139,700	398,667	262,286	346,858	48,636	131,913	105,691	Indianapolis, Ind.
164,528	374,183	289,796	313,999	52,746	110,762	108,488	Jersey City, N. J.
159,700	468,686	235,562	262,447	20,433	51,168	42,548	Kansas City, Kans.[3]
60,953	192,815	155,812	196,674	28,972	68,505	68,617	Kansas City, Mo.
103,458	278,184	301,464	417,654	44,517	118,365	149,119	Los Angeles, Calif.
105,223	204,566	176,023	240,536	49,624	78,466	70,917	Louisville, Ky.
56,049	137,802	80,646	100,998	22,945	60,809	38,858	Lowell, Mass.
39,133	117,718	71,111	95,537	16,128	39,593	28,170	Memphis, Tenn.
223,555	576,161	417,027	514,591	98,679	234,393	183,629	Milwaukee, Wis.
187,854	491,383	348,128	338,329	56,555	128,549	117,310	Minneapolis, Minn.
33,276	71,108	72,338	83,042	13,915	25,662	29,959	Nashville, Tenn.
65,575	210,773	110,014	149,999	28,001	88,202	59,135	New Bedford, Mass.
57,752	125,456	84,559	113,925	30,435	70,159	47,590	New Haven, Conn.
69,814	182,799	117,456	135,184	29,253	60,491	48,853	New Orleans, La.
2,202,832	5,260,708	4,328,187	5,349,077	1,063,677	2,399,232	2,079,687	New York, N. Y.
210,601	577,609	336,809	448,172	97,163	239,647	158,520	Newark, N. J.
13,710	29,588	23,852	29,232	6,390	13,966	11,904	Norfolk, Va.
28,522	134,756	106,425	122,492	13,523	70,779	44,841	Oakland, Calif.
66,438	452,237	244,342	315,971	18,372	69,133	58,716	Omaha, Nebr.[3]
78,429	216,659	161,146	194,858	37,799	101,608	78,285	Paterson, N. J.[2]
784,500	1,996,481	1,537,328	1,998,750	333,303	840,141	672,808	Philadelphia, Pa.
246,694	614,727	393,431	610,189	96,779	247,862	159,577	Pittsburgh, Pa.[3]
55,697	196,380	105,015	154,415	21,798	84,993	43,995	Portland, Oreg.
115,335	267,629	170,117	215,654	51,365	127,302	87,196	Providence, R. I.
53,232	141,561	119,780	134,502	21,846	58,867	56,998	Reading, Pa.
62,491	156,724	85,134	146,413	31,932	67,280	36,426	Richmond, Va.[2]
140,697	351,416	291,117	337,362	82,167	187,133	154,708	Rochester, N. Y.[2]
360,480	871,700	665,519	914,277	156,674	330,874	245,390	St. Louis, Mo.
68,682	149,638	115,012	150,355	32,863	64,468	52,736	St. Paul, Minn.
16,663	33,357	31,130	47,572	8,130	15,938	13,384	Salt Lake City, Utah.
17,849	35,456	28,662	34,756	7,759	13,207	12,082	San Antonio, Tex.
162,300	417,321	339,626	416,318	65,260	155,903	130,157	San Francisco, Calif.[2]
28,722	54,630	52,833	64,169	12,923	25,684	23,095	Scranton, Pa.
64,475	274,431	115,047	155,781	26,705	124,781	45,629	Seattle, Wash.[4]
16,636	40,149	32,634	40,562	7,182	14,498	12,324	Spokane, Wash.
44,429	98,333	82,786	104,568	22,514	50,530	43,448	Springfield, Mass.
52,164	150,091	109,062	149,145	28,413	75,408	53,021	Syracuse, N. Y.
115,049	293,521	191,697	360,375	44,555	120,233	62,890	Toledo, Ohio.
54,822	122,478	89,284	116,623	24,879	62,017	39,985	Trenton, N. J.
28,987	68,827	67,640	73,108	16,739	37,887	37,379	Washington, D. C.
39,403	121,040	54,539	80,016	17,202	60,552	21,771	Wilmington, Del.
82,829	208,706	138,707	212,043	37,035	102,525	67,535	Worcester, Mass.
67,223	140,017	107,183	144,896	15,115	33,567	26,947	Yonkers, N. Y.
92,111	241,458	138,972	272,184	23,034	78,359	35,923	Youngstown, Ohio.

[3] Statistics for 1921 include data for two establishments located elsewhere in the State.
[4] Statistics for 1921 include data for three establishments located elsewhere in the State.

Source: Bureau of the Census, Department of Commerce.

No. 729.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES

[NOTE.—As to comparability of figures for 1921 and 1923 with those of previous years, see general note, p. 745. Data for horsepower not collected in 1921]

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	1923	196,309	8,773,156	11,009,298	34,705,698	60,555,998	25,850,300	23,694,428
	1921	196,267	6,946,570	8,202,324	25,321,055	43,653,283	18,332,228	
	1919	290,105	9,096,372	10,533,400	37,378,380	62,418,079	25,041,699	22,410,192
	1914	275,791	7,036,247	4,078,332	14,368,089	24,246,435	9,878,346	22,307,189
New England	1923	19,081	1,254,496	1,472,315	3,290,156	6,419,975	3,129,820	4,151,136
	1921	19,057	1,071,699	1,161,291	2,521,634	4,902,508	2,380,874	
	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	1923	66,007	2,694,027	3,595,238	11,124,614	19,738,954	8,614,340	9,627,308
	1921	67,181	2,246,104	2,770,748	8,132,677	14,588,658	6,455,981	
	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	1923	43,978	2,387,049	3,333,621	10,166,125	17,821,694	7,655,569	9,061,680
	1921	43,549	1,710,939	2,214,128	6,877,924	11,804,936	4,927,011	
	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	1923	16,605	469,725	563,914	2,848,565	4,299,549	1,450,984	1,714,030
	1921	17,336	384,797	476,315	2,379,772	3,506,514	1,126,742	
	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	1923	17,049	832,016	729,359	2,438,631	4,238,237	1,799,606	3,143,936
	1921	16,436	646,207	564,943	1,739,932	2,985,309	1,245,377	
	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	1923	7,513	347,200	310,354	988,075	1,702,670	714,594	1,461,604
	1921	7,254	259,256	225,321	644,254	1,093,672	449,418	
	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	1923	7,947	267,111	265,332	1,375,838	2,091,624	715,786	1,269,347
	1921	8,104	229,549	238,042	1,150,111	1,724,331	574,220	
	1919	13,909	285,244	298,022	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	1923	3,971	106,060	147,279	622,263	985,756	363,493	777,745
	1921	4,016	82,000	118,577	396,215	616,843	220,629	
	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	1923	14,158	420,472	591,387	1,851,431	3,257,540	1,406,109	1,886,942
	1921	13,334	316,019	432,959	1,478,530	2,430,511	951,975	
	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	1923	1,642	83,328	91,854	217,070	402,650	185,580	570,532
	1921	1,761	75,710	88,429	192,102	339,562	147,459	
	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
New Hampshire	1923	1,078	75,314	79,074	185,754	333,125	147,370	352,656
	1921	1,122	67,416	67,893	139,269	246,346	107,077	
	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	340,065
Vermont	1923	1,021	30,783	34,695	80,776	149,952	69,176	177,212
	1921	1,101	25,767	28,068	63,689	113,904	50,216	
	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	1923	10,519	667,172	799,363	1,835,013	3,570,543	1,735,530	1,931,787
	1921	9,994	579,071	641,361	1,441,035	2,849,414	1,408,379	
	1919	11,906	713,836	766,623	2,260,713	4,011,182	1,750,468	1,716,932
	1914	12,013	606,698	341,310	931,384	1,641,373	709,989	1,380,912
Rhode Island	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	319,638
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884

No. 729.—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.								
Connecticut	1923	3,130	263,232	314,829	612,961	1,288,281	675,320	727,021
	1921	3,320	210,990	221,126	407,846	836,164	428,318	----------
	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	1923	38,186	1,150,901	1,581,349	4,764,626	8,960,638	4,196,012	3,263,325
	1921	38,107	1,000,414	1,303,421	3,687,584	6,973,506	3,285,922	----------
	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	2,168,607	3,814,661	1,706,054	2,321,817
New Jersey	1923	8,767	448,069	578,927	2,039,477	3,396,628	1,357,150	1,256,896
	1921	8,784	381,773	460,471	1,484,334	2,556,143	1,071,809	----------
	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	1923	19,054	1,095,057	1,434,963	4,320,510	7,381,688	3,061,178	5,107,593
	1921	20,290	863,917	1,006,856	2,960,759	5,059,009	2,098,250	----------
	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	1923	11,195	699,132	979,660	2,909,167	5,146,515	2,237,348	3,307,726
	1921	11,479	494,288	627,033	1,919,090	3,300,693	1,381,603	----------
	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	1,029,782	1,782,808	752,026	1,985,950
Indiana	1923	4,909	291,131	374,510	1,190,070	2,031,675	841,605	1,372,007
	1921	5,109	206,534	251,456	826,398	1,377,772	551,374	----------
	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	1923	14,345	645,627	913,220	2,794,613	5,041,113	2,246,501	1,980,508
	1921	13,952	513,876	701,530	2,098,750	3,705,380	1,606,630	----------
	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	1923	5,097	503,308	769,071	2,270,773	3,882,192	1,611,419	1,471,550
	1921	5,718	304,471	419,969	1,305,746	2,206,230	900,485	----------
	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
Wisconsin	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,889
	1921	7,291	191,770	214,141	727,941	1,214,861	486,920	----------
	1919	10,303	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	1923	3,900	103,964	125,531	647,323	962,775	315,452	460,128
	1921	4,989	85,804	107,250	585,473	850,447	264,974	----------
	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	1923	3,420	77,847	94,206	434,336	690,032	255,697	232,333
	1921	3,527	62,274	78,546	338,704	521,446	182,742	----------
	1919	5,483	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	1923	5,291	196,694	228,015	944,082	1,547,189	603,106	553,397
	1921	5,442	156,384	182,897	728,179	1,162,006	433,827	----------
	1919	8,592	195,037	196,515	1,056,437	1,594,208	537,751	476,648
	1914	8,386	152,182	89,197	388,715	637,952	249,237	389,376
North Dakota	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	1923	489	5,146	6,211	33,673	47,321	13,648	16,458
	1921	574	4,635	6,350	26,846	41,558	14,711	----------
	1919	1,414	6,882	7,905	42,986	62,171	19,185	22,176
	1914	898	3,788	2,623	17,079	24,139	7,060	16,324
Nebraska	1923	1,379	31,267	39,761	314,027	415,057	101,030	129,429
	1921	1,390	27,655	37,395	246,178	333,565	87,388	----------
	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

No. 729.—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 North Central—Continued.								
Kansas	1923	1,786	51,255	65,056	444,420	595,030	150,610	255,555
	1921	1,926	44,938	59,208	428,127	561,134	133,007	----------
	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	1923	453	23,116	27,369	70,736	128,951	58,216	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	1923	3,168	128,826	136,286	569,035	903,446	334,411	497,945
	1921	3,128	107,085	110,485	386,868	637,574	250,706	----------
	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	1923	600	9,823	14,796	32,870	73,108	40,238	31,846
	1921	490	8,640	12,955	30,261	67,640	37,379	----------
	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	1923	2,743	111,578	104,680	304,493	548,153	243,661	431,237
	1921	2,570	88,555	85,063	268,940	454,261	185,321	----------
	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
West Virginia	1923	1,487	85,661	109,937	259,151	479,510	220,359	371,699
	1921	1,550	60,536	78,549	170,876	310,423	139,546	----------
	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	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	1923	1,180	96,802	64,753	221,240	360,446	139,206	407,735
	1921	1,107	76,251	51,410	141,902	236,421	94,519	----------
	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	1923	3,058	137,476	92,144	381,769	604,453	222,684	449,888
	1921	2,809	98,264	69,916	243,939	381,297	137,357	----------
	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	1923	1,690	65,047	52,357	83,188	188,258	105,071	138,269
	1921	1,720	53,289	42,734	67,063	145,821	78,758	----------
	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	1923	1,975	76,724	82,648	242,410	427,094	184,684	251,554
	1921	2,038	58,840	62,636	173,662	302,742	129,080	----------
	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	237,802
Tennessee	1923	2,307	106,504	92,482	334,111	555,266	221,154	391,465
	1921	2,245	75,446	65,741	225,951	374,038	148,087	----------
	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	1923	1,996	109,620	95,205	323,666	541,729	218,063	640,892
	1921	1,855	82,748	66,747	186,407	302,809	116,401	----------
	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	1923	1,235	54,352	40,019	87,888	178,582	90,693	177,693
	1921	1,116	42,222	30,197	58,234	114,084	55,850	----------
	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

No. 729.—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:								
Arkansas	1923	1,231	44,545	37,770	90,709	172,541	81,832	165,154
	1921	1,289	33,431	27,804	64,677	119,029	54,352	----------
	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	1923	1,781	94,719	83,031	407,414	624,683	217,268	402,938
	1921	1,851	85,170	76,761	311,589	479,100	167,511	----------
	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	1923	1,242	25,489	33,069	230,263	315,208	84,946	152,956
	1921	1,398	22,241	29,532	203,802	283,764	79,961	----------
	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
Texas	1923	3,693	102,358	111,462	647,452	979,192	331,740	548,299
	1921	3,566	88,707	103,946	570,043	842,438	272,396	----------
	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	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	1923	510	16,347	22,886	43,134	87,429	44,295	72,146
	1921	485	10,783	15,183	36,057	57,067	21,010	----------
	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	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	1923	1,377	31,226	40,653	150,093	255,190	105,097	176,076
	1921	1,491	27,625	38,611	147,249	221,324	74,076	----------
	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	1923	186	5,459	6,484	9,954	20,422	10,468	16,863
	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	1923	283	9,008	12,635	80,993	123,377	42,384	128,531
	1921	269	4,774	6,809	26,495	39,110	12,615	----------
	1919	480	8,528	12,015	92,645	120,769	28,124	103,958
	1914	322	6,808	6,229	39,283	64,090	24,807	54,095
Utah	1923	586	15,901	19,784	129,752	191,590	61,838	141,671
	1921	645	13,310	18,392	74,873	111,055	36,183	----------
	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	1923	104	4,666	7,795	9,941	22,243	12,302	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	1923	3,029	111,663	156,435	372,044	678,543	306,499	593,330
	1921	2,908	77,518	99,191	259,685	448,165	188,480	----------
	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	1923	1,909	62,655	81,769	195,922	363,715	167,794	322,297
	1921	1,730	40,167	49,395	123,670	223,664	99,994	----------
	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	1923	9,220	246,154	353,183	1,283,465	2,215,281	931,817	971,315
	1921	8,606	198,334	284,373	1,095,181	1,758,682	663,501	----------
	1919	11,942	243,692	305,207	1,218,869	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. 730.—HOURS OF LABOR: Average Number of Wage Earners Distributed According to Prevailing Hours of Labor Per Week, for Major Industries

[I. [illegible] than the worker is the unit of grouping, all of the workers of a single [illegible]

Industry	Census year	Total wage earners	In establishments where the prevailing hours of labor per week were—						
			44 and under	Between 44 and 48	48 [1]	Between 48 and 54	54	Between 54 and 60	60 and over
Agricultural implements.	1914	48,459	(2)	(2)	4,461	2,632	4,559	25,258	11,549
	1921	30,359	1,249	2,330	1,707	18,902	2,539	3,279	353
	1923	30,962	1,096	331	318	19,786	2,120	6,530	781
Bags, other than paper, not including bags made in textile mills.	1914	9,358	(2)	(2)	101	1,478	3,520	2,730	1,529
	1921	10,324	357	406	2,661	4,780	1,708	366	46
	1923	11,548	846	427	2,724	5,360	1,291	900	--------
Boots and shoes not including rubber boots and shoes.	1914	191,555	(2)	(2)	4,966	23,263	79,699	77,854	5,773
	1921	183,502	14,897	22,608	81,601	41,444	17,794	4,819	339
	1923	225,216	19,724	19,119	100,314	61,588	16,864	7,484	123
Boxes, paper and other, not elsewhere specified.	1914	45,311	(2)	(2)	5,451	8,585	17,771	11,186	2,318
	1921	46,242	4,004	2,494	15,305	17,470	3,381	2,896	692
	1923	56,855	3,226	3,570	19,565	21,837	2,764	5,288	605
Boxes, wooden packing, except cigar boxes.	1914	38,548	(2)	(2)	858	3,155	5,251	15,421	13,863
	1921	32,595	3,096	643	3,819	8,837	3,584	6,871	5,745
	1923	39,154	1,062	431	4,936	10,844	3,520	12,520	5,832
Brass, bronze, copper, and allied products.	1914	40,306	(2)	(2)	1,851	6,680	7,545	17,401	6,829
	1921	39,830	4,907	2,780	6,853	7,400	1,609	15,936	345
	1923	64,713	2,811	684	10,456	14,325	3,098	30,988	2,351
Bread and other bakery products.	1914	121,052	(2)	(2)	14,556	6,887	48,579	10,334	43,696
	1921	148,500	5,268	2,196	69,739	30,064	23,787	4,855	12,591
	1923	162,613	4,171	10,336	75,666	23,127	30,916	4,817	13,580
Brick, tile and terra-cotta, and fire-clay products.	1914	100,182	(2)	(2)	10,883	4,489	18,186	13,844	52,780
	1921	68,759	2,566	1,238	12,464	8,317	18,790	7,942	17,442
	1923	102,723	3,469	1,607	19,021	14,936	20,096	13,863	20,731
Butter	1914	14,149	(2)	(2)	1,334	243	1,859	1,131	9,582
	1921	18,506	382	49	2,199	824	3,428	1,814	9,810
	1923	20,782	395	150	2,922	949	3,263	2,323	10,780
Canning and preserving, fruits and vegetables.	1914	50,325	(2)	(2)	4,555	1,821	8,753	5,677	29,514
	1921	38,668	1,287	262	10,190	1,499	8,016	3,122	14,292
	1923	57,178	2,130	599	14,140	5,135	9,066	4,136	21,972
Carpets and rugs, other than rag.	1914	31,309	(2)	(2)	23	2,099	23,235	5,685	267
	1921	22,922	278	--------	13,417	6,570	2,591	66	--------
	1923	35,217	349	38	20,913	3,330	6,679	3,903	5
Cars and general shop construction and repairs by steam-railroad companies.	1914	339,518	(2)	(2)	74,431	50,616	100,759	46,375	67,337
	1921	385,006	10,284	12,820	249,755	10,432	432	100,127	1,156
	1923	488,505	571	17,382	340,348	9,087	10,486	101,847	8,784
Cars, [illegible] companies.	1914	54,288	(2)	(2)	341	5,294	19,291	16,885	12,477
	1921	45,121	717	104	7,968	21,465	4,529	9,681	657
	1923	76,612	1,327	1,802	12,074	39,116	3,292	14,840	4,161
Cement	1914	27,916	(2)	(2)	24	3	73	1,536	26,280
	1921	26,231	1	--------	1,218	--------	1,123	7,419	16,470
	1923	35,091	7	--------	2,401	--------	2,477	7,881	22,325
Chemicals [3]	1914	32,311	(2)	(2)	947	303	1,596	12,912	16,563
	1921	46,306	7,434	3,021	11,281	8,706	4,078	8,370	3,416
	1923	74,897	11,802	5,120	14,072	16,361	2,259	17,697	7,586
Clothing, men's	1914	173,747	(2)	(2)	35,114	87,907	37,719	10,344	2,663
	1921	165,206	123,995	10,175	14,248	10,964	3,995	1,633	195
	1923	194,820	142,815	11,251	18,011	18,303	3,726	652	62
Clothing, women's	1914	168,907	(2)	(2)	11,741	123,066	28,780	4,785	535
	1921	144,865	103,270	10,651	16,075	13,407	1,075	362	25
	1923	133,195	91,921	12,412	15,488	12,098	865	407	4
Coffee and spice, roasting and grinding.	1914	8,549	(2)	(2)	1,297	2,125	2,491	1,959	677
	1921	8,882	1,064	1,177	2,099	2,964	809	362	407
	1923	9,665	1,271	926	1,972	3,676	1,114	494	212

1 [illegible] 4.
2 [illegible] vailable.
3 [illegible]

No. 730.—HOURS OF LABOR: AVERAGE NUMBER OF WAGE EARNERS DISTRIBUTED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK, FOR MAJOR INDUSTRIES—Continued

Industry	Census year	Total wage earners	In establishments where the prevailing hours of labor per week were—						
			44 and under	Between 44 and 48	48 [1]	Between 48 and 54	54	Between 54 and 60	60 and over
Coke, not including gas-house coke.	1914	21,107	(2)	(2)	1,582	36	6,637	1,809	10,993
	1921	16,070	122	--------	4,962	180	1,097	2,000	7,790
	1923	28,364	324	--------	14,427	--------	2,216	5,415	5,982
Condensed milk	1914	6,002	(2)	(2)	58	20	433	159	5,332
	1921	9,462	24	--------	185	27	1,579	631	7,016
	1923	8,723	4	--------	746	334	1,090	1,088	5,411
Confectionery and ice cream. [4]	1914	64,034	(2)	(2)	5,839	10,490	20,566	13,780	13,350
	1921	81,213	4,642	3,101	24,361	19,497	11,383	7,725	10,504
	1923	63,485	3,224	5,077	18,873	19,576	8,240	6,577	1,918
Copper, tin, and sheet-iron work.	1914	28,714	(2)	(2)	14,368	2,500	5,840	3,624	2,442
	1921	25,172	12,382	740	4,677	4,130	1,405	1,591	247
	1923	28,852	12,829	867	4,037	7,684	940	2,376	119
Cotton goods	1914	379,366	(2)	(2)	1,075	1,572	149,157	68,842	158,720
	1921	412,058	2,739	6,155	171,108	7,375	32,330	150,383	41,968
	1923	471,503	845	5,900	153,601	13,341	52,914	189,034	55,868
Dyeing and finishing textiles, exclusive of that done in textile mills.	1914	48,467	(2)	(2)	557	2,709	16,186	23,695	5,260
	1921	51,510	2,527	657	27,701	9,260	5,275	4,990	1,100
	1923	63,414	1,850	932	27,430	11,788	14,449	5,943	1,022
Electrical machinery, apparatus, and supplies.	1914	118,078	(2)	(2)	4,078	30,529	38,838	41,715	2,918
	1921	161,204	18,871	7,561	92,148	29,002	4,640	8,594	388
	1923	234,892	15,187	8,256	125,806	65,142	8,622	11,508	371
Engines and water wheels.	1914	29,657	(2)	(2)	1,982	1,075	8,862	14,789	2,949
	1921	35,567	5,131	5,415	11,795	7,607	2,031	3,367	221
	1923	48,495	5,159	2,701	12,746	13,679	2,234	11,746	230
Fertilizers	1914	22,815	(2)	(2)	281	500	2,656	3,061	16,317
	1921	16,898	242	78	1,397	1,416	1,397	7,568	4,800
	1923	18,572	154	44	1,082	1,566	1,654	8,436	5,636
Flour-mill products	1914	39,718	(2)	(2)	3,414	355	2,949	1,331	31,669
	1921	35,378	927	78	13,946	732	2,656	1,641	15,398
	1923	35,194	371	132	14,602	817	2,582	1,759	14,931
Food preparations, not elsewhere specified.	1914	20,306	(2)	(2)	2,362	1,680	4,038	2,949	9,268
	1921	22,868	1,512	1,836	4,512	4,587	2,194	4,134	3,993
	1923	26,212	3,042	478	5,869	5,852	4,122	3,376	3,478
Foundry and machine-shop products. [5]	1914	362,471	(2)	(2)	25,699	45,433	110,782	129,822	50,735
	1921	321,363	46,192	21,178	83,675	76,067	40,604	44,059	9,588
	1923	448,777	28,652	11,393	113,392	139,000	63,651	77,371	15,318
Fur goods	1914	9,030	(2)	(2)	1,137	5,430	2,108	291	64
	1921	12,052	9,512	340	1,343	591	178	52	36
	1923	14,439	11,791	429	1,377	461	272	77	32
Furniture (including show cases).	1914	130,138	(2)	(2)	10,715	12,528	29,873	35,925	40,997
	1921	124,311	11,518	5,370	15,673	47,641	14,577	26,543	3,589
	1923	168,089	14,380	1,272	15,772	70,338	15,122	47,802	3,403
Gas, illuminating and heating.	1914	43,792	(2)	(2)	2,914	133	9,213	8,548	22,984
	1921	34,956	20	7	12,398	1,135	1,880	12,426	7,090
	1923	42,232	48	--------	8,676	1,008	2,160	23,958	6,432
Glass	1914	74,502	(2)	(2)	12,205	27,975	11,394	7,458	15,470
	1921	54,748	7,160	7,155	23,903	7,389	1,696	4,012	3,433
	1923	73,335	8,150	8,663	37,393	7,814	4,650	4,599	2,063
Hardware (including hardware saddlery).	1914	43,724	(2)	(2)	3,589	4,720	7,818	23,093	4,504
	1921	35,228	2,344	921	2,776	13,497	918	14,687	85
	1923	52,205	646	394	2,641	25,677	2,335	19,858	154
Ice, manufactured	1914	23,011	(2)	(2)	548	58	664	2,181	19,560
	1921	24,066	86	3	3,819	205	686	5,573	13,703
	1923	26,852	132	33	4,600	202	709	5,872	15,304
Iron and steel, blast furnaces.	1914	29,356	(2)	(2)	11	80	1,551	13	27,701
	1921	18,698	--------	--------	1,808	--------	263	1,409	15,218
	1923	36,712	--------	--------	3,302	--------	1,978	7,109	24,323
Iron and steel, steel works and rolling mills.	1914	248,716	(2)	(2)	19,972	19,084	25,565	45,996	138,099
	1921	235,515	34,228	3,311	61,475	15,575	10,614	33,260	77,052
	1923	388,201	25,424	930	118,156	33,209	77,040	73,643	59,799

[illegible] ble.

[illegible] included in "foundry and machine-shop products" in 1914.

No. 730.—Hours of Labor: Average Number of Wage Earners Distributed According to Prevailing Hours of Labor Per Week, for Major Industries—Continued

Industry	Census year	Total wage earners	In establishments where the prevailing hours of labor per week were—						
			44 and under	Between 44 and 48	48 [1]	Between 48 and 54	54	Between 54 and 60	60 and over
Jewelry	1914	28,289	(2)	(2)	3,275	5,041	9,635	9,837	501
	1921	23,482	9,032	1,087	9,414	2,539	724	659	27
	1923	26,354	9,333	675	11,996	3,290	558	496	6
Knit goods	1914	150,520	(2)	(2)	3,673	7,860	87,549	34,260	17,178
	1921	161,880	9,259	4,198	49,179	39,449	28,114	28,092	3,589
	1923	194,244	10,318	6,372	52,151	56,743	33,975	30,838	3,847
Leather, tanned, curried, and finished.	1914	55,936	(2)	(2)	909	3,241	10,355	22,205	19,226
	1921	48,955	1,009	499	15,465	16,571	9,297	4,135	1,979
	1923	59,703	658	702	16,518	24,556	10,374	4,135	2,760
Liquors, malt	1914	62,070	(2)	(2)	44,209	2,258	10,160	2,154	3,289
	1921	18,551	2,891	37	14,335	80	743	98	367
Locomotives, not made by railroad companies.	1914	17,391	(2)	(2)	189	5,594	1,285	10,323	--------
	1921	16,583	350	1,462	--------	6,260	--------	8,508	3
	1923	30,672	--------	--------	267	12,650	468	17,287	--------
Lumber and timber products.[3]	1914	479,786	(2)	(2)	12,850	10,923	21,615	24,638	409,760
	1921	364,247	8,822	2,199	76,073	15,587	18,955	28,141	214,470
	1923	495,932	7,702	3,030	120,624	19,011	28,385	44,812	272,368
Lumber, planing-mill products, not including products of planing mills connected with sawmills.	1914	96,214	(2)	(2)	14,173	11,349	25,402	16,605	28,685
	1921	78,033	14,372	1,672	14,576	17,282	12,300	11,782	6,049
	1923	103,008	17,831	1,986	16,413	25,266	12,149	21,279	8,084
Marble and stone work	1914	54,891	(2)	(2)	24,728	8,566	7,956	4,764	8,877
	1921	30,260	12,202	798	4,717	5,078	3,388	2,903	1,174
	1923	40,056	17,314	700	4,020	9,649	3,186	3,948	1,239
Millinery and lace goods, not elsewhere specified.	1914	45,274	(2)	(2)	4,557	15,519	18,765	5,368	1,065
	1921	53,701	25,034	7,317	10,789	7,886	1,818	826	31
	1923	54,246	24,622	9,004	10,666	7,996	1,767	168	23
Mineral and soda waters	1914	15,506	(2)	(2)	2,468	646	3,591	1,236	7,565
	1921	14,651	1,295	308	5,401	999	3,048	731	2,869
	1923	29,274	3,827	231	14,712	1,398	4,238	813	4,055
Motor-vehicle bodies and parts.	1914	47,785	(2)	(2)	1,284	8,030	7,009	25,771	5,691
	1921	69,119	4,371	2,371	18,725	31,367	2,071	9,350	864
	1923	163,530	3,340	4,017	49,135	73,194	6,866	25,541	1,437
Motor vehicles	1914	79,307	(2)	(2)	13,033	19,963	10,782	28,573	6,956
	1921	143,658	7,624	3,128	68,988	52,818	2,546	4,359	4,195
	1923	241,356	850	7,902	100,806	115,382	4,997	11,059	360
Oil and cake, cottonseed.	1914	21,810	(2)	(2)	28	454	204	753	20,371
	1921	16,163	121	9	376	167	446	576	14,468
	1923	12,745	48	--------	180	125	605	139	11,648
Paints	1914	13,349	(2)	(2)	547	1,646	3,788	4,692	2,676
	1921	13,877	629	466	2,039	5,214	921	3,888	720
	1923	17,182	1,114	507	2,083	6,971	1,220	3,934	1,353
Paper and wood pulp	1914	88,457	(2)	(2)	10,624	5,581	12,702	10,427	49,123
	1921	105,294	341	--------	58,622	11,078	12,663	2,235	20,355
	1923	120,677	1,363	590	74,443	3,924	13,984	5,065	21,308
Patent medicines and compounds.	1914	13,328	(2)	(2)	4,223	4,251	2,241	1,565	1,048
	1921	13,800	3,439	1,764	3,631	3,943	358	517	148
	1923	17,353	3,578	3,209	4,437	4,797	362	787	183
Petroleum refining	1914	25,366	(2)	(2)	1,241	848	12,621	56	10,600
	1921	63,189	4,164	575	29,138	3,808	922	23,028	1,554
	1923	66,717	5,212	891	33,777	3,466	748	20,508	2,115
Pickles, preserves, and sauces.	1914	12,590	(2)	(2)	858	708	3,332	4,429	3,263
	1921	13,061	446	666	2,404	3,029	4,325	1,532	659
	1923	15,356	927	691	1,512	4,578	1,977	4,576	1,095
Printing and publishing, book and job.	1914	113,121	(2)	(2)	80,023	19,145	12,093	1,293	567
	1921	121,055	41,948	3,484	65,616	8,200	1,022	672	113
	1923	129,890	50,663	3,478	65,953	8,599	1,028	107	62
Printing and publishing, newspapers and periodicals.	1914	114,375	(2)	(2)	80,130	7,977	17,057	5,139	4,072
	1921	107,534	19,082	5,060	71,765	5,263	4,204	1,546	461
	1923	116,440	21,634	6,519	76,485	5,386	3,722	2,309	385

[1] Includes 48 and under in 1914.
[2] Corresponding figures not available.
[3] Exclusive of "Pulpwood" not shown as a separate classification in 1921.

No. 730.—Hours of Labor: Average Number of Wage Earners Distributed According to Prevailing Hours of Labor Per Week, for Major Industries—Continued

Industry	Census year	Total wage earners	In establishments where the prevailing hours of labor per week were—						
			44 and under	Between 44 and 48	48 [1]	Between 48 and 54	54	Between 54 and 60	60 and over
Rubber tires, tubes, and	1914	55,335	(2)	(2)	3,216	9,621	9,110	28,249	5,139
	1921	79,385	8,703	13,689	18,802	18,523	1,154	17,682	831
	1923	108,433	9,580	26,547	34,068	22,244	2,071	12,644	1,279
Shipbuilding, steel	1914	33,508	(2)	(2)	11,928	6,861	6,900	928	6,891
	1921	93,323	57,820	7,487	24,376	1,374	2,144	122	--------
	1923	51,961	21,033	3,165	21,143	4,713	1,633	274	--------
Shirts	1914	51,072	(2)	(2)	4,051	12,562	27,222	7,363	774
	1921	45,427	12,238	7,594	7,441	12,839	3,554	1,746	15
	1923	51,672	11,493	6,813	7,542	21,671	3,352	791	10
Silk goods, including products of throwsters.	1914	108,170	(2)	(2)	1,169	4,916	56,632	43,243	2,210
	1921	121,378	25,336	1,568	24,097	56,230	8,796	4,740	611
	1923	125,234	24,025	2,627	26,305	59,920	7,870	3,948	539
Slaughtering and meat-packing.	1914	98,832	(2)	(2)	4,728	3,263	13,188	8,734	68,919
	1921	117,042	8,179	3,783	86,716	4,655	4,832	3,256	5,621
	1923	132,792	3,611	3,046	95,322	8,316	9,939	4,309	8,249
Smelting and refining, copper.	1914	17,731	(2)	(2)	336	2,225	864	11,170	3,136
	1921	8,203	--------	--------	1,447	--------	265	6,522	59
	1923	20,735	--------	--------	11,589	997	1,322	6,661	166
Smelting and refining, lead.	1914	7,385	(2)	(2)	72	--------	727	5,073	1,513
	1921	4,509	--------	--------	663	--------	--------	3,815	31
	1923	6,194	8	--------	2,448	--------	141	3,397	200
Soap	1914	14,172	(2)	(2)	1,027	3,446	1,514	6,371	1,814
	1921	16,558	1,274	725	4,912	7,693	684	1,115	155
	1923	17,002	1,475	415	5,392	6,786	976	1,907	51
Stamped and enameled ware, not elsewhere specified.	1914	28,731	(2)	(2)	2,627	3,864	6,077	11,623	4,540
	1921	24,192	2,743	196	4,991	8,551	2,117	5,540	54
	1923	35,237	458	868	8,153	14,826	2,666	8,007	259
Steam fitting and steam and hot-water heating apparatus.	1914	26,388	(2)	(2)	3,983	1,689	3,810	7,203	9,703
	1921	30,808	1,982	207	18,736	4,542	3,592	1,012	737
	1923	44,141	482	384	21,916	13,116	4,550	3,078	615
Stoves and hot-air furnaces.	1914	29,535	(2)	(2)	2,957	3,046	11,182	7,549	4,801
	1921	24,530	2,939	979	9,412	3,068	5,680	1,405	1,047
	1923	33,029	2,526	963	13,327	7,747	5,272	1,959	1,235
Structural ironwork, not made in rolling mills.	1914	47,167	(2)	(2)	1,533	8,596	13,905	19,523	3,610
	1921	32,897	5,680	636	6,353	9,940	2,356	7,626	306
	1923	51,591	4,276	239	9,489	20,658	3,598	12,667	664
Sugar, beet	1914	7,997	--------	--------	--------	--------	180	108	7,709
	1921	13,602	--------	--------	--------	--------	--------	8,213	5,389
	1923	7,571	--------	--------	--------	--------	53	3,101	4,417
Sugar refining, not including beet sugar.	1914	11,253	(2)	(2)	614	591	--------	1,498	8,550
	1921	15,457	--------	--------	2,721	--------	2,466	--------	10,270
	1923	15,254	--------	--------	3,047	4,641	--------	--------	7,566
Textile machinery and parts.[3]	1921	31,025	1,018	537	7,492	18,548	1,074	2,204	152
	1923	35,672	884	50	8,536	22,723	1,232	2,145	102
Tinware, not elsewhere specified.	1914	22,584	(2)	(2)	497	2,183	8,075	8,023	2,906
	1921	22,711	771	721	7,047	10,437	952	2,123	660
	1923	30,511	523	308	8,133	14,275	2,052	4,768	452
Tobacco, chewing and smoking, and snuff.	1914	25,980	(2)	(2)	1,275	1,677	4,952	16,478	1,598
	1921	16,628	420	1,445	1,554	8,113	1,520	3,190	386
	1923	16,301	336	1,653	1,366	9,500	1,493	1,869	84
Tobacco, cigars, and cigarettes.	1914	152,892	(2)	(2)	44,969	19,365	46,856	30,936	10,766
	1921	133,357	17,857	8,205	32,278	39,035	28,815	5,269	1,898
	1923	130,036	18,538	6,615	28,008	39,740	30,506	4,415	2,214
Woolen goods	1914	49,165	(2)	(2)	1,062	634	14,010	26,378	7,081
	1921	56,434	124	238	30,306	6,327	11,274	7,758	407
	1923	72,408	39	473	36,507	11,402	14,792	8,876	319
Worsted goods	1914	109,527	--------	--------	--------	1,589	74,295	30,550	3,093
	1921	105,930	298	--------	83,826	6,430	13,215	1,944	217
	1923	122,144	1,655	88,393	12,012	17,628	2,203	118	135

[1] Includes 48 and [illegible]
[2] Corresponding figures not available.
[3] "Textile machi[illegible] "foundry and machine shop products" in 1914.
Source: Bureau of the Census, Department of Commerce.

No. 731.—INDEXES OF QUANTITATIVE VOLUME OF PRODUCTION OF MANUFACTURING AND MINING INDUSTRY

[NOTE.—Based on the monthly average for 1919 as 100. The "Manufacturing" index here given is adjusted according to the varying length of the month in working days. The mineral indexes are unadjusted. The former covers 64 products and the latter 9]

Month	Manufacturing (adjusted)						Minerals					
	1920	1921	1922	1923	1924	1925	1920	1921	1922	1923	1924	1925
January	103	71	81	111	113	117	107	98	92	124	130	133
February	108	73	85	118	122	124	94	86	95	110	124	113
March	108	76	90	124	124	129	107	90	115	125	122	118
April	104	78	96	130	118	130	93	84	62	121	108	119
May	104	82	102	130	108	128	112	95	73	142	126	140
June	106	82	113	126	104	128	123	96	85	147	125	139
July	99	79	108	119	101	128	124	92	85	151	128	145
August	101	80	107	116	109	122	129	99	92	156	129	151
September	96	81	103	118	114	122	121	94	114	139	134	132
October	92	85	113	118	116	131	132	104	127	153	141	139
November	82	85	112	113	114	128	123	90	121	136	122	128
December	72	75	110	109	112	122	115	86	117	125	124	122

Source: Survey of Current Business, Department of Commerce.

No. 732.—MANUFACTURING PRODUCTION: INDEXES OF QUANTITATIVE VOLUME, FOR GROUPS OF INDUSTRIES

[NOTE.—Based on the monthly average for 1919 as 100. [illegible] totaled in Table 731. They are not adjusted for lengt[illegible]

Period	Food-stuffs	Tex-tiles	Iron and steel	Lum-ber	Sole leather, boots and shoes	Paper and print-ing	Chem-icals and oils	Stone and clay prod-ucts	Met-als, non-fer-rous	To-bacco	Mis-cel-lane-ous
1920	91	93	119	101	82	110	112	116	109	98	89
1921	93	93	56	88	79	89	104	90	82	95	65
1922	102	108	98	121	90	106	118	114	121	99	85
1923	110	112	129	136	97	108	140	124	156	107	114
1924	112	95	105	135	83	107	148	127	167	110	113
1925	106	104	124	150	86	111	170	138	180	115	133
1925											
January	113	117	141	144	85	113	168	106	179	111	104
February	94	108	127	137	85	99	151	100	171	100	112
March	96	112	143	150	94	111	159	125	182	109	139
April	97	112	123	152	93	116	156	141	184	107	154
May	105	99	118	150	82	113	164	154	185	112	152
June	119	94	107	153	79	112	167	157	183	124	153
July	114	95	105	148	82	106	172	160	189	127	156
August	110	91	116	160	90	106	171	157	186	120	118
September	109	97	118	158	89	106	174	151	183	123	118
October	113	108	130	166	96	118	188	158	193	132	148
November	96	105	131	144	77	114	181	133	159	116	129
December	105	110	134	142	76	119	186	112	167	104	119

Source: Survey of Current Business, Department of Commerce.

No. 733.—TEXTILE MANUFACTURES: PRODUCTION

[NOTE.—In general, [illegible] products, especiall[illegible] textile inc[illegible] in cost of [illegible] output of [illegible] some of t[illegible]

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
COTTON-GOODS INDUSTRY							
All products, total value					**676,569**	**1,278,221**	**1,901,126**
[illegible]	[illegible]	2,665,627	1,600,999	1,695,520	133,332	158,216	208,338
[illegible]			1,157,680	1,578,196		82,039	144,054
Voiles	do		86,285	134,709		11,021	19,189
Lawns, nainsooks, cambrics, and similar muslins.	do	1,153,242	392,203	367,209	60,218	58,408	57,277
Tobacco, cheese, butter, bunting, and bandage cloths.	do		274,256	402,312		10,024	20,110
[illegible]		489,661	536,609	571,665	36,706	87,984	99,698
[illegible]		185,326	300,720	332,815	15,948	51,712	70,726
[illegible]	do	289,970	191,715	303,421	21,257	22,031	46,762
[illegible]	do	392,109	384,636	489,380	32,892	51,835	91,589
[illegible]	do	229,330	214,652	279,140	24,948	39,866	72,402
[illegible]		(1)	100,039	109,101	(1)	11,767	19,539
[illegible]		263,862	294,718	381,397	24,352	37,691	69,635
[illegible]							
Tire duck	do	251,368	51,723	68,259	49,179	57,738	42,324
Ducks (except tire)	do		135,200	167,084		34,943	57,163
Tire fabrics	do	(1)	43,934	158,296	(1)	43,914	63,756
Tapestries	do	10,138	10,414	20,684	5,412	13,922	20,890
Pile fabrics:							
Plushes, velvets, velveteens, etc.	do	29,129	11,510	27,711	8,540	14,439	35,621
[illegible]			16,356	27,389		6,700	12,043
[illegible]			39,244	47,446		13,755	16,125
[illegible]ering. Towels, etc. (except pile fabrics).	do	75,799	80,680	75,200	[2] 9,805	17,393	20,568
Cotton table damask	do	(1)	43,120	40,905	(1)	10,760	10,852
Blankets	do	(1)	91,520	88,060	(1)	21,507	24,713
Bedspreads and quilts (crochet, marseilles, and satin).	do	(1)	31,828	35,691	(1)	11,002	13,552
Bags and bagging	do	129,357	92,836	161,917	9,706	6,761	19,218
Yarns for sale	Pound	497,987	484,219	620,725	127,364	218,555	348,685
Thread	do	26,507	23,276	31,646	22,917	50,202	55,311
Batting, wadding, and mattress felts.	do	(1)	49,856	95,170	(1)	5,877	16,646
Cotton waste for sale	do	317,198	271,775	378,640	14,417	13,308	37,306
All other products					79,576	114,851	187,025
COTTON-LACE INDUSTRY							
All products, total value					**13,207**	**25,981**	**35,792**
Nottingham lace curtains	Pairs	5,591	3,915	6,038	4,679	8,435	12,944
Nottingham lace curtain nets.	Lin. yard	7,505	17,236	30,278	1,258	6,785	10,312
Levers laces	Sq. yard	7,237	4,453	10,524	3,681	3,988	8,029
All other products					3,589	6,773	4,507
KNIT GOODS							
All products, total value					**258,913**	**634,074**	**848,177**
Hose	Doz. pair	44,186	52,081	59,615	63,145	229,187	278,887
Halfhose	do	30,978	28,160	37,818	34,954	61,301	99,846
Sueded cotton gloves	do	2,470	469	95	10,520	3,900	830
Gloves and mittens (except sueded).			2,216	1,999		21,309	15,888
Shirts and drawers	Dozen	21,759	11,712	12,747	57,523	49,876	61,683
Union suits	do	6,273	9,284	10,746	35,596	84,989	99,219
Bathing suits	do	274	909	972	2,034	11,202	17,554

[1] Not reported separately.

[2] Includes "All other terry weaves."

No. 733.—Textile Manufactures: Production—Continued

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
KNIT GOODS—CONTD.							
Scarfs and shawls	Dozen	63	363	980	714	7,785	10,356
Headwear	do	987	508	843	3,456	3,409	4,813
Neckties	do	(3)	1,757	3,324	(3)	9,137	12,317
Jersey cloth and tricollette	Sq. yard	10,594	38,112	38,703	4,379	35,413	43,367
Stockinette			(4)	(4)		1,441	2,836
Glove and shoe linings	do	6,222	(4)	(4)	670	2,118	5,836
Towels and towelings	do	(1)	754	1,055	(1)	734	735
Cotton yarns for sale	Pound	17,053	12,778	14,735	3,990	5,836	6,946
Cotton waste for sale	do	12,999	18,442	18,216	629	1,031	1,989
All other products					41,303	105,406	185,025
SILK GOODS							
All products, total value					254,011	583,419	761,322
Broad silk:							
All silk	Lin. yard	142,713	223,298	255,097	96,690	284,761	332,843
Silk mixed	do	73,320	50,293	101,937	41,030	56,296	123,240
Velvets	do	16,318	11,477	17,134	8,570	16,000	23,880
Plushes	do	9,115	5,580	6,444	10,136	12,126	17,217
Upholstery and tapestry	do	478	974	2,800	840	3,826	10,636
Organzine, tram, and crêpe twist for sale.	Pound	4,070	6,430	8,433	16,024	47,071	67,417
Spun silk for sale	do	1,607	4,737	3,486	4,577	17,115	14,729
Machine twist	do	660	805	1,100	4,037	8,649	11,410
Sewing, embroidery, and other floss silks.	do	902	1,083	652	5,645	9,273	6,780
Ribbons					38,201	53,598	52,122
Laces, embroideries, nets, veils, veilings, etc.					[5] 1,329	2,845	2,893
Fringes and gimps					1,025	6,913	10,278
Braids and binding					3,073	15,879	17,556
All other products					22,834	49,067	70,321
WOOLEN AND WORSTED GOODS							
All products, total value					379,484	755,584	1,062,558
Suitings, dress goods, overcoatings, and cloakings, total.	Sq. yard	455,044	423,649	512,139	238,310	501,180	657,233
All-wool woolen	do	90,950	132,286	172,028	55,660	156,551	231,211
All-wool worsted	do	222,421	185,359	210,988	141,778	279,913	333,959
Wool and cotton mixed	do	31,400	18,490	24,732	11,711	14,270	26,261
Cotton-warp woolen	do	53,510	44,363	63,203	13,598	22,665	37,002
Cotton-warp worsted	do	56,763	43,151	41,188	15,563	27,781	28,800
Flannels for underwear (all wool).	do	2,176	1,847	2,843	880	1,320	2,120
Flannels for underwear (cotton mixed).	do	4,996	2,625	3,777	1,090	1,191	1,636
Domett flannels and shirtings	do	16,092	4,529	6,155	2,814	2,218	2,595
Satinets and linseys	do	8,415	4,523	6,107	1,535	1,525	2,278
Blankets, all-wool	do	6,490	6,754	11,872	4,187	6,505	9,321
Horse blankets	do	8,165	1,942	2,475	2,018	1,173	1,339
Yarns for sale	Pound	132,560	125,616	179,455	85,872	161,080	252,242
Noils and wool waste for sale	do	50,395	40,647	55,110	10,140	9,577	19,297
All other products					32,638	69,815	114,497
FELT GOODS							
All products, total value					13,693	24,129	42,037
Felt cloths	Pound		3,566	6,404	797	7,020	13,577
Trimming and lining felts, skirts and skirtings.	do		3,242	3,318	1,321	2,391	2,421
Boot and shoe linings	do		4,260	1,581	1,513	3,593	1,336
Hair felting	do		9,543	27,946	635	2,191	5,025
All other felts					8,829	7,203	17,530
All other products					598	1,731	2,148
HATS, WOOL-FELT							
All products, total value					1,944	4,964	8,643
Hats	Dozen	381	280	454	1,777	4,049	7,182
Hat bodies and hats in the rough.	do	6	55	59	13	245	479
All other products					154	670	982

[1] Not reported separately. [3] Included in "All other products." [4] No comparable data.
[5] Exclusive of embroideries, which are included in "All other products."

No. 733.—Textile Manufactures: Production—Continued

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
CARPETS AND RUGS							
All products, total value					69,128	103,881	199,481
[illegible]	[illegible]	17,311	13,057	21,723	15,187	20,394	51,525
[illegible]	[illegible]	20,855	12,070	17,943	25,946	25,951	65,105
Rugs, woven whole	do	28,174	27,778	43,576	23,551	53,693	75,528
All other					4,444	3,843	7,323
WOOL SHODDY							
All products, total value					7,707	6,803	16,698
Recovered wool fiber	Pound	43,156	27,314	55,051	5,977	5,944	13,679
All other products					1,730	859	3,019
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
All products, total value					83,235	101,071	125,095
Rope, cable, and cordage:							
Manila hemp	Pound	104,909	71,842	92,266	12,860	13,243	14,926
Sisal	do	39,899	37,282	59,829	2,991	5,001	8,168
Henequin	do	13,534	4,254	6,259	1,042	530	836
Cotton	do	13,244	13,132	15,801	2,540	4,381	6,425
All other	do	26,815	8,554	25,791	2,097	1,694	4,120
Twine, binder	do	302,287	236,409	248,773	24,095	31,643	25,017
Twine, other	do	105,250	80,359	120,061	13,997	17,619	26,818
[illegible]	do	75,875	54,055	99,134	8,320	9,864	19,213
[illegible]	do	5,708	1,494	4,064	3,409	2,874	5,723
[illegible]	Sq. yard	10,800	7,678	6,544	1,766	3,473	2,812
[illegible]	do	131,828	54,505	35,252	6,441	4,515	2,610
All other products					3,677	6,234	8,427
HATS, FUR-FELT							
All products, total value					37,350	52,614	75,253
Hats	Dozen	2,119	1,756	1,970	33,604	44,044	62,423
Hat bodies and hats in the rough.	do	329	458	813	2,373	5,133	10,171
All other products					1,373	3,437	2,659
OILCLOTH AND LINOLEUM [6]							
All products, total value						74,319	129,084
Oilcloth (cotton back)	Sq. yard		65,237	81,027		14,921	18,714
Linoleum (jute back)	do		38,801	53,060		32,629	44,589
Floor covering (felt back) [7]	do		31,728	71,076		13,043	30,240
Artificial leather [7]	do		30,784	56,901		13,726	29,798
All other products							5,743

[6] Con[illegible]

[7] "Artificial leather" and "floor covering" were given separate classifications for the [illegible] in this table for these two industries for 1921 have been compiled from reports classified under the following industry classifications in 1921: "Oilcloth and linoleum, floor;" "Oilcloth, enameled;" "Upholstery materials, not elsewhere classified."

No. 734.—BOOTS AND SHOES: Production

[Note.—Detailed value data were not collected at the censuses. For total value of products of the industry see Table 727, p. 760. Data for 1922 to 1925 compiled from monthly reports of manufacturers]

Product	Quantity (thousands of pairs)						
	1914	1919	1921	1922	1923	1924	1925
Boots and shoes, total	292,666	331,225	286,771	323,876	351,114	313,230	323,553
Men's	98,031	95,017	69,458	89,984	100,283	84,663	86,546
Boys' and youths'	22,896	26,504	18,462	21,632	22,239	20,274	21,021
Women's	80,916	104,813	101,474	105,368	109,676	104,135	104,782
Misses' and children's	48,322	48,538	35,066	39,444	40,136	35,694	38,691
Infants'	15,477	16,669	17,379	23,939	27,015	23,823	24,587
[illegible]		586	5,547	8,448	6,434	5,853	5,914
[illegible]	27,024	11,056	8,602	6,739	8,347	6,260	8,564
[illegible]		28,042	30,784	28,323	36,984	32,529	33,448

Source of tables 733 and 734: Bureau of the Census, Department of Commerce.

No. 735.—LEATHER: Production by Principal Kinds

[Note.—For value of products of the tanning industry see Table 727, p. 760]

[All figures in thousands of unit specified]

Kind		1914	1921	1922	1923	1924	1925
Sole leather, cattle	backs, bends, and sides	18,098	18,063	17,735	18,732	14,640	14,879
Belting leather	butts and butt bends	974	1,195	1,014	1,471	1,231	809
Harness leather	sides	2,944	811	1,377	1,555	1,269	1,288
Bag case and strap leather	do	1,005	821	1,249	1,200	1,056	1,175
Upholstery leather:[1]							
Whole-hide grains	hides	654	288	493	490	466	463
Machine buffed	do	(2)	125	224	253	183	163
Whole hide splits	pieces	1,105	676	1,182	1,230	917	832
Upper leather (other than patent):[1]							
Cattle (including foreign tanned kip)	sides	8,258	12,596	16,432	18,571	14,329	15,338
Calf and kip	skins	15,869	14,827	15,435	18,004	15,981	13,621
Goat and kid	do	29,875	34,356	47,880	46,537	34,641	40,887
Cabretta	do	(2)	2,900	2,232	2,696	2,380	2,412
Sheep and lamb	do	16,795	13,359	17,895	19,271	18,148	14,124
Patent leather (other than upholstery):[1]							
Cattle (including kip side)	sides	1,791	2,278	6,472	5,656	8,854	8,628
Horse and colt	half fronts	1,259	195	932	1,080	802	684
Goat and kid	skins	3,615	489	742	446	865	991
Glove leather:[1]							
Horse, colt, ass, and mule—							
Half fronts	number	614	453	688	930	1,000	1,146
Shanks	do	--------	576	770	1,619	1,165	1,011
Cabretta	skins	(2)	560	625	1,428	1,197	1,678
Sheep and lamb	do	3,912	3,813	6,776	7,789	5,561	5,326
Fancy and bookbinders' leather:[1]							
Sheep and lamb	skins	[3] 6,051	1,990	2,854	2,987	2,847	1,984
Splits (other than upholstery)	pieces	(2)	(2)	(2)	19,545	16,055	19,700

[1] Figures shown for principal kinds only.
[2] Not available.
[3] Reported as "fancy" only.
Source: Bureau of the Census, Department of Commerce.

No. 736—RUBBER MANUFACTURING INDUSTRY: Products

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
All products, total value		--------	--------	--------	300,994	704,903	958,518
Tires and inner tubes:							
Pneumatic—							
Automobile and truck	Number	15,929	59,380	102,655	125,780	430,688	533,090
Motorcycle and bicycle	do	3,728	1,975	4,311	6,906	4,263	5,689
Solid—							
Truck	do	(1)	401	944	(2)	14,736	29,061
All other	do	(1)	185	--------	13,736	653	1,291
Boots, rubber	Pair	4,024	6,532	9,098	12,648	15,104	23,573
Shoes and overshoes, rubber	do	57,212	57,191	60,103	37,858	60,759	83,031
Shoes, canvas, with rubber soles	do	(1)	15,237	26,114	(1)	18,944	28,382
[illegible]		(1)	137,490	289,222	(1)	14,528	23,691
[illegible]		(1)	5,003	13,509	(1)	1,740	4,008
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	(1)	15,545	33,039	(1)	6,910	14,189
All other	do	(1)	19,679	18,101	(1)	4,308	6,570
Belting	--------	--------	--------	--------	7,989	13,069	24,267
Hose	--------	--------	--------	--------	16,854	18,140	34,012
Packing	--------	--------	--------	--------	3,508	4,460	5,028
Clothing	--------	--------	--------	--------	6,799	4,084	13,147
Druggists' and stationers' sundries	--------	--------	--------	--------	7,512	13,501	19,864
Hard-rubber goods	--------	--------	--------	--------	(1)	11,941	25,134
All other manufactures of rubber	--------	--------	--------	--------	41,384	47,035	69,123
Reclaimed rubber	Pound	(1)	68,277	131,732	11,135	7,424	11,714
All other products	--------	--------	--------	--------	8,885	12,616	2,154

[1] Not reported for 1914.
[2] Included in "All other solid."
Source: Bureau of the Census, Department of Commerce.

No. 737.—CHEMICALS: Products Made For Sale

[Note.— [illegible] quant[illegible] made [illegible] in the [illegible] establishments manufacturing chemicals]

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1921	1923	1914	1921	1923
Total value					200,196	454,374	708,372
Acids:							
Acetic	Pound	70,618	34,545	57,652	1,272	1,791	4,155
Arsenic and arsenious	do	(1)	9,400	29,394	(1)	556	2,608
[illegible]	[illegible]	8,584	12,692	17,278	589	1,781	1,736
[illegible]	[illegible]	50,446	54,616	51,096	2,321	6,375	4,992
[illegible]	[illegible]	2,658	3,850	5,689	1,516	1,914	2,829
[illegible]	[illegible]	85	96	156	1,349	2,778	3,102
[illegible]	[illegible]	43	40	78	2,204	3,406	5,503
Nitric	do	15	8	22	1,592	1,318	2,741
Oleic	Pound	21,933	47,896	48,786	1,301	3,338	4,354
Phosphoric	do	12,420	6,197	12,829	680	899	955
[illegible]	[illegible]	14,351	14,331	22,478	1,243	1,512	2,753
[illegible]	[illegible]	2,338	2,604	4,345	15,395	27,418	38,274
Sulphuric reclaimed, (50° B for 1923)	do	136	168	170	519	1,634	1,479
Other acids					2,856	5,543	6,546
Alums	Ton	157	170	249	3,468	6,632	7,445
Aluminous abrasives	do	(1)	9	20	(1)	903	2,126
Aluminum and its other compounds					(1)	15,709	43,607
Bleaching compounds:							
Chlorine	Pound	12,217	57,223	76,118	473	3,189	2,778
Hypochlorites, (calcium, sodium)	Ton	155	87	158	2,916	4,620	5,951
Peroxide bleaches	Pound	32,595	32,541	32,422	1,303	3,292	3,365
Sulphur bleaches					610	2,800	4,635
Coal-tar products:							
Crudes					8,065	21,634	38,297
Intermediates						8,998	23,280
Dyes and other finished products					5,427	45,287	60,316
All other products						8,175	21,891
Gases, compressed and liquefied:							
Acetylene	Cu. ft.	121,696	290,854	522,349	2,318	7,504	13,080
Hydrogen	do	1,669	99,104	103,818	17	640	696
Oxygen	do	104,714	1,059,825	2,057,526	1,829	13,965	23,382
Nitrous oxide (laughing gas)	Gallon	17,838	42,016	45,297	213	748	731
Other gases					104	1,802	2,328
Nitrogen compounds:							
Ammonia (aqua)	Pound	35,544	(2) 39,084	38,694	1,412	(2) 2,796	2,454
Ammonia (anhydrous)	do	16,660	(2) 27,637	23,529	3,141	(2) 6,199	6,415
Ammonium chloride	do	11,512	14,339	31,937	641	1,069	2,409
Other ammonium compounds					472	(2) 2,130	1,269
Cyanides, ferro and ferri	Pound	(1)	3,687	13,582	2,399	1,116	3,215
Other cyanides	do					3,007	5,509
From coke oven operations not included in total value (Geological Survey)—							
[illegible]	do	(3)	529,932	884,953	(3)	13,091	25,954
[illegible]	do	(3)	30,010	50,987	(3)	3,052	5,140
Plastics:							
Pyroxylin, including collodion	Pound	(1)	21,678	41,776	3,778	13,966	22,159
Finished articles of pyroxylin					5,527	2,070	11,300
Rubber substitutes	Pound	(1)	8,078	11,208		2,233	2,922
Artificial silk, visca, cellophane, etc.	do	(1)	(3)	36,477	4,591	40,568	59,051
Other plastics		(1)	(3)	(1)			6,798
Potassium compounds:							
Bitartrate (cream of tartar)	Pound	12,696	5,779	5,971	3,125	1,630	1,746
Iodide	do	(1)	298	439	4,731	889	1,623
Other						1,811	2,120
Sodium compounds:							
Bichromate and chromate	Ton	12	18	27	1,125	3,823	3,995
Biborate (borax)	do	27	18	53	2,072	2,745	5,102
Carbonates—							
Soda ash	do	935	776	1,259	10,938	29,347	32,427
Sal soda (crystals)	do	107	69	69	1,510	2,175	1,690
Bicarbonate	do	90	101	145	1,439	2,635	3,738
Modified sodas	do	(1)	(1)	48	(1)	(1)	1,342
Hydroxide (caustic)	do	292	231	431	9,105	16,628	25,057
Repacked caustic	do	(1)	33	33	(1)	5,305	5,034
Phosphates	do	15	27	36	853	3,053	3,171
Silicate	do	169	222	331	1,649	4,642	5,067

[1] No data. [2] Includes production of the gas industry. [3] No comparable data.

No. 737.—Chemicals: Products Made for Sale—Continued

	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1921	1923	1914	1921	1923
Sodium compounds—Continued.							
Sulphates—							
Salt cake	Ton	90	96	141	842	2,046	2,972
Glauber's salt	do	35	52	66	428	1,289	1,521
Thiosulphate (hypo)	do	(1)	18	23	(1)	1,203	1,124
Other	do	(1)	51	133	(1)	428	855
Sulphide	Ton	20	23	32	517	1,740	2,209
Other					2,148	6,639	16,544
Miscellaneous:							
Acetone	Pound	10,426	4,380	10,928	1,100	442	2,355
Barium compounds					361	784	1,355
Bismuth compounds					(1)	783	1,509
Calcium—							
Acetate	Ton	82	28	72	2,139	737	4,823
Arsenate	Pound	(1)	2,420	13,261	(1)	363	1,703
Carbide	Ton	(1)	(1)	119	(1)	12,641	8,818
Chloride	do	45	79	91	342	2,027	2,039
Hypochlorite	do	(1)	83	147	(1)	4,296	5,192
Phosphate	do	12	23	39	1,299	4,123	4,393
Carbon bisulphide	Pound	(1)	14,942	25,201	(1)	796	1,337
Cobalt compounds and alloys					(1)	721	1,710
Copper sulphate (blue vitriol)	Pound	37,152	27,222	32,304	1,599	1,768	1,778
	Gallon	(1)	520	2,530	(1)	818	2,193
	Ton	(1)	49	215	(1)	8,835	20,899
	Pound	8,426	6,056	20,214	655	652	2,604
Glycerin (glycerol) refined	do	59,810	59,861	74,105	10,779	9,514	12,214
Iron sulphate (copperas)	Ton	46	29	71	353	515	1,275
Lead arsenate	Pound	8,642	9,230	10,755	512	1,029	2,229
Radium salts	Milligram	(1)	37	14	(1)	3,434	877
Silver nitrate	Ounce	(1)	2,579	3,438	[4] 846	1,229	1,509
Sulphur, refined	Ton	31	29	61	1,141	1,600	2,765
Tin—							
Oxide	Pound	8,291	1,182	4,126	2,029	622	1,893
Chloride	do		7,335	7,387		1,232	1,696
Other	*do*					*319*	*376*
Vanillin	do	121	191	228	526	1,494	1,327
Zinc chloride	do		75,291	64,575	[5] 1,131	3,634	1,997
All other products, including chemicals not separately reported, etc.					53,361	20,523	40,733

[1] No data. [4] Includes other silver salts. [5] Includes other zinc compounds.

No. 738.—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	1921	1923	1914	1921	1923
All products, total value				21,383	30,266	38,866
Natural dyestuffs:						
Extracts	40,779	32,149	37,269	1,739	3,849	2,908
Ground, chipped, or dry	(1)	7,324	1,749	124	203	31
Tanning extracts:						
Oak and chestnut	328,198	261,241	445,234	4,130	6,355	8,865
Hemlock	18,978	9,394	9,316	340	347	287
Sumac	4,512	5,030	6,112	130	346	309
Quebracho	109,597	65,564	103,981	2,945	2,447	3,349
Other		9,092	46,084		346	1,090
Other tanning materials				354	2,025	1,233
Mordants				392	1,243	801
Sizes:						
Dextrin	18,914	30,953	57,571	706	1,642	3,287
Rosin	20,717	59,995	103,702	373	1,609	2,766
Gum, other than rosin	3,832	13,161	12,716	205	745	843
Starches, glue, and other	(1)	52,675	45,342	1,769	3,093	2,183
Turkey red oil	11,682	10,414	23,741	820	995	2,309
Softeners and other assistants				717	2,255	3,148
All other products				6,639	2,766	5,457

[1] No data.

Source of Tables 737 and 738: Bureau of the Census, Department of Commerce.

No. 739.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

NOTE.—Only [illegible] harply defined character, and in general only those for which quantitative [illegible] See also chem[illegible] 703), manufac[illegible] Semifinished [illegible] establishment[illegible] where otherwise s[illegible] 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	1921	1923	1914	1921	1923
ONE BLACK, CARBON BLACK, AND LAMPBLACK							
All products, total value					2,972	11,326	16,760
[illegible]one black	Pound	44,509	53,141	49,725	1,532	4,006	2,418
[illegible]arbon black	do	22,869	59,766	138,263	918	5,446	11,692
[illegible]ampblack	do	(1)	6,586	11,117	504	935	1,457
[illegible]ll other products					18	939	1,193
FERTILIZERS							
All products, total value					169,018	188,247	192,968
[illegible]	Ton	8,432	5,994	7,549	153,261	174,879	177,227
[illegible]	do	5,612	3,324	4,222	121,677	122,926	124,135
[illegible]izers.							
[illegible]		1,693	1,959	2,445	14,779	33,026	32,698
[illegible]		68	18	14	1,367	573	507
[illegible]		1,059	693	869	15,438	18,354	19,887
[illegible]		1,406	1,320	1,631			
Made for sale	do	129	176	265	769	1,872	2,006
[illegible]ish scrap	do	63	45	76	1,916	1,721	2,723
[illegible]ll other products					13,072	9,775	11,012
ICE, MANUFACTURED							
All products, total value					67,320	168,351	170,592
[illegible]e:							
Ice industry	Ton	18,325	29,668	34,490	55,258	152,404	158,593
Can ice	do	17,146	28,403	33,627	52,150	146,205	154,499
Plate ice	do	1,179	1,264	863	3,108	6,199	4,094
Other industries	do	2,718	1,715	1,345	6,934	9,461	5,930
[illegible]ll other products, etc.[2]					5,128	6,485	6,069
PAINT AND VARNISH							
All products, total value					149,173	288,697	440,565
[illegible]olors (pigments)	Pound	459,052	743,506	1,309,517	17,450	47,637	91,480
[illegible]aints in oil—							
In paste form	do	420,012	428,156	425,880	29,038	46,603	50,570
Ready mixed	Gallon	40,746	48,068	71,347	41,544	91,092	127,144
[illegible]ater paints and kalsomine—							
Dry or in paste	Pound	61,904	87,745	122,217	2,055	4,395	5,534
Mixed for use	Gallon	297	51	10	147	87	11
[illegible]arnishes and japans	do	36,365	45,124	80,330	31,994	68,162	116,410
[illegible]illers—							
Liquid	do	966	984	846	670	1,052	940
Paste and dry	Pound	49,588	21,497	34,534	1,319	1,597	2,041
[illegible]utty	do	69,828	65,898	92,745	1,250	2,642	3,775
[illegible]leached shellac	do	8,055	8,801	15,280	1,807	5,370	9,571
[illegible]insced oil[2]	Gallon	2,231	3,606	3,445	1,202	2,653	3,396
Production, all industries	do	(1)	62,717	84,878			
[illegible]ll other products					20,697	17,407	29,693
SOAP							
All products, total value					135,304	243,046	281,295
[illegible]ard soaps	Pound	1,696,484	1,752,136	2,000,341	104,465	164,070	179,924
Toilet soaps	do	169,926	197,274	240,145			53,099
Tallow and foots	do	1,092,034	941,467	1,082,626			66,425
Soap chips	do	97,746	144,536	218,754			25,373
All other hard soaps	do	336,778	468,859	458,816			35,027
[illegible]owdered soaps	do	367,744	580,371	655,061	(1)	29,431	39,799
[illegible]oft soap	do	57,002	63,275	67,752	1,697	2,722	2,465
[illegible]quid soap	do	(1)	10,529	17,879	(1)	1,267	1,666
[illegible]pecial soap articles[2]	do	(1)	28,462	56,270	833	2,463	5,270
[illegible]lycerin (for sale)—							
Crude	do	12,745	19,619	23,459	1,818	1,862	2,695
[illegible]	do	32,674	39,976	54,418	5,776	6,217	8,554
[illegible]					6,305	15,115	16,928
[illegible]ll other products					13,910	19,899	23,994

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

Source: Bureau of the Census, Department of Commerce.

No. 740.—FERTILIZER: Amount Sold in 12 Southern States as Shown By Tag Sales

State	1924–25	1923–24	1922–23	1921–22
	Tons	*Tons*	*Tons*	*Tons*
Total	5,075,065	4,713,036	4,328,560	3,444,031
Percentage increase over preceding year	*7.7*	*8.9*	*25.7*	*11.0*
Virginia	448,150	448,319	432,348	433,579
North Carolina	1,217,628	1,175,299	1,081,230	936,271
South Carolina	868,307	862,240	682,910	511,054
Georgia	778,168	683,865	671,901	523,803
Florida	367,165	362,750	380,903	344,535
Alabama	590,515	470,490	429,543	284,523
Mississippi	268,078	204,572	215,235	135,632
Tennessee	143,674	114,060	105,891	89,459
Missouri	64,232	47,176	51,525	50,008
Arkansas	124,612	95,538	81,253	34,065
Louisiana	111,930	121,936	107,494	69,050
Texas	103,005	126,791	79,237	31,362

Source: The Fertilizer Review, National Fertilizer Association.

No. 741.—PRINTING AND PUBLISHING: Census Statistics

Publications	1914	1919	1921	1923
	Value (thousands of dollars)			
Total	810,508	1,536,408	1,827,809	2,021,356
Newspapers and periodicals, printed and published or published only	419,210	806,306	1,005,270	1,154,786
Subscriptions and sales	163,577	278,007	328,283	360,893
Advertising	255,633	528,299	676,987	793,893
[illegible]	283,589	566,322	734,321	803,497
[illegible]	135,621	239,984	270,949	351,289
New [illegible] by others	8,577	22,913	35,301	36,803
Books and pamphlets	87,637	165,561	166,663	178,474
Sheet music and books of music	7,626	16,277	14,293	14,163
Job printing, general, electrotyping, engraving, and lithographing	278,401	508,213	566,648	623,047
Blank books	4,153	6,954	7,564	
All other products	4,904	10,184	32,070	13,993
Newspapers and periodicals	**Aggregate circulation per issue**			
Daily	28,777,454	33,028,630	32,341,678	35,783,107
Sunday	16,479,943	19,368,913	20,863,355	24,511,693
Triweekly	549,495	492,286	523,872	431,504
Semiweekly	2,483,629	2,020,165	1,540,206	2,024,683
Weekly	50,336,963	51,902,121	43,521,178	47,860,508
Monthly	79,190,838	91,681,807	83,469,144	91,654,028
Quarterly	18,853,991	18,920,544	21,745,216	22,197,918
All other classes	8,922,584	5,007,517	6,962,012	7,529,173
Books and pamphlets	**Number of copies**			
Total	175,166,698	252,068,816	325,950,602	359,391,018
Education	51,069,521	75,075,335	164,648,606	96,479,723
Fiction	30,598,501	24,317,643	21,632,483	30,014,162
General literature	(1)	(1)	(1)	61,915,885
History	2,458,912	6,280,483	1,404,860	6,457,303
Juvenile	16,399,881	24,434,912	30,773,228	49,679,895
Law	1,701,602	2,254,861	2,295,034	3,652,777
Poetry and drama	1,926,892	2,682,568	2,229,005	2,985,271
Religion and theology	24,411,502	36,496,230	30,626,056	48,193,861
All other	37,599,887	80,526,784	72,341,330	60,002,141

[1] Not segregated.

Source: Bureau of the Census, Department of Commerce.

No. 742.—MACHINERY: Value of the Principal Classes Manufactured

[Note.—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 743, 744, 745, and 747]

Class	Values (thousands of dollars)			
	1914	1919	1921	1923
Adding and calculating machines	14,734	53,993	30,016	51,996
Agricultural machinery	64,866	94,080	58,136	82,130
Air compressors	5,158	18,650	15,729	27,702
Aircraft	481	9,705	3,311	9,077
Bakers' machinery	2,555	9,359	10,560	14,451
Blowers and fans	(1)	12,141	12,518	14,386
Bottling machinery	1,359	10,463	6,642	5,999
Brick, pottery, and other clay-working machinery	2,439	3,187	3,772	7,537
Canning machinery	(1)	(1)	5,139	10,361
Cash registers and parts	15,935	31,574	23,944	44,382
Concrete mixers	2,956	10,450	8,663	14,463
Condensers	(1)	24,216	8,665	4,263
Confectioners' machinery	(1)	9,341	5,157	5,781
Cotton gins	4,902	10,176	2,721	7,175
Cranes	4,194	52,534	20,445	42,197
Dairy machinery	12,998	34,279	17,759	16,486
[illegible]	2,669	9,108	4,991	14,557
[illegible]	50,601	112,422	97,123	138,928
[illegible]	17,228	70,187	40,931	64,297
Engines (steam or internal-combustion) and water wheels [2]	93,635	501,574	186,488	266,285
Flour-mill and gristmill machinery	5,018	19,581	8,663	9,084
[illegible]	4,426	9,823	4,554	8,891
[illegible]	1,091	3,316	4,088	2,651
[illegible]	(1)	3,597	1,122	488
Laundry machinery	7,565	13,891	12,983	19,077
Lawn mowers	2,848	3,777	6,401	8,258
Leather-working machinery, other than shoe	1,666	4,691	2,626	2,575
Locomotives [3]	43,374	156,270	90,111	194,673
Machine tools	(1)	179,747	61,935	132,423
Metal-working machinery, other than machine tools	17,420	57,541	19,288	56,817
Meters, gas and water	11,538	27,765	18,181	29,546
[illegible]	13,254	51,243	30,290	47,590
[illegible]	(1)	3,006	2,869	2,631
[illegible]	15,919	28,453	12,710	20,752
Motor vehicles, except motorcycles	458,761	1,736,818	1,326,120	2,611,735
Oil-mill machinery, cottonseed and other	1,878	11,306	1,472	5,386
Oil-well machinery	10,569	28,351	27,415	52,158
Ore crushers	(1)	2,367	3,322	5,096
Packing-house machinery	(1)	(1)	4,133	5,565
Paper-mill and pulp-mill machinery	8,588	27,421	31,581	30,342
Printing machinery	19,223	53,325	54,870	70,906
[illegible]	27,457	66,456	69,255	92,815
[illegible]	19,522	30,667	33,174	36,542
[illegible]	3,545	15,778	17,858	27,514
[illegible]	2,726	17,002	8,003	6,849
Sewing machines, cases, and attachments	27,238	57,938	35,608	46,150
Shoe machinery	5,959	16,261	9,482	12,399
Slot-vending machines	(1)	1,646	2,466	4,850
Steam shovels	(1)	12,454	12,858	23,684
Stokers, mechanical	(1)	4,280	7,161	14,095
Sugar-mill machinery	1,972	14,847	12,075	9,112
Textile machinery and parts	(1)	118,044	115,167	127,406
Typewriters and parts	29,517	43,318	33,361	42,018
Vacuum cleaners	2,059	21,462	21,726	36,870
Washing machines and clothes wringers, domestic	(1)	42,896	32,444	57,551
Well-drilling machinery, other than oil-well	(1)	2,567	1,353	1,074
Windmills	5,843	9,933	6,997	7,491
Woodworking machinery	13,393	36,763	25,682	49,544

1 [illegible]

2 [illegible] ate units.

3 [illegible] for 1921 and 1923, steam, gasoline, and electric-locomotives.

Source: Bureau of the Census, Department of Commerce.

No. 743.—MACHINE TOOLS AND TEXTILE MACHINERY: PRODUCTION

[NOTE.—Unlike Table 742 this table covers only products of establishments assigned to the specific industries named and not those made in establishments assigned to other industries. Quantities have [illegible] for many other industries because of marked differences in size, character, and [illegible] machines in the same class. Changes in these respects between censuses may [illegible] of the numbers reported]

Class	Number			Value (thousands of dollars)		
	1919	1921	1923	1919	1921	1923
MACHINE TOOLS INDUSTRY						
All products, total value				212,400	67,729	137,206
Bending machines	153	54	616	942	164	616
Boring machines	1,433	898	803	8,768	3,181	3,577
Drilling machines	16,642	4,503	8,121	11,430	3,297	8,140
Gear-cutting machines, all types	2,688	844	1,107	5,845	1,737	3,506
Grinding machines	12,886	3,671	16,780	15,803	3,393	7,782
Hammers, pneumatic and other	38,535	3,650	1,977	4,952	1,114	876
Lathes	29,031	7,622	11,986	37,475	8,644	18,990
Milling machines	11,480	2,273	2,906	18,526	3,823	6,047
Pipe machines	4,118	1,192	1,958	2,481	570	1,002
Planers	1,482	194	302	8,129	1,272	2,110
Portable tools		432,451	124,420	10,908	4,481	9,313
Presses	35,786	23,828	12,745	6,357	8,927	6,144
Screw machines	6,227	2,661	2,113	9,625	2,840	4,841
Shapers	4,515	1,418	1,569	4,231	1,020	2,053
Shears	1,367	3,347	1,763	1,566	907	981
Broaching machines	549	530	235	1,395	617	347
All other machine tools				31,314	5,486	20,849
Parts and attachments				(1)	8,937	25,461
All other products				32,653	7,319	8,571
TEXTILE MACHINERY INDUSTRY						
All products, total value				122,089	128,935	140,661
Fiber-to-fabric machinery, total	40,582	37,924		35,530	34,801	34,043
Picker machines	935	710	2,950	1,149	1,924	3,715
Carding machines	15,210	4,407	3,076	7,618	6,663	4,346
Combing machines	(1)	446	197	(1)	1,108	528
Drawing frames		5,949	4,894		1,074	1,216
[illegible]	2,359	2,856	2,649	4,509	6,284	4,670
[illegible]	6,950	6,649	6,045	9,613	11,512	9,493
[illegible]	1,122	1,736	1,570	1,860	3,647	3,205
[illegible] cone, etc	9,690	5,900		5,803	1,711	6,248
Beaming, warping, and slashing	(1)	9,271		(1)	878	1,222
All other preliminary machines	4,316	(2)	(2)	4,978	(2)	(2)
Fabric machinery, total		89,724		29,865	27,666	30,402
Looms, except carpet and rug		27,543	33,530	(1)	14,520	14,141
Knitting machines		51,338	40,693	(1)	11,873	13,242
Braiding machines		5,737	7,375	(1)	1,013	988
Other fabric machinery		5,106		(1)	260	2,031
Machinery for bleaching, dyeing, printing, finishing, etc					4,319	10,277
Other textile machinery [3]				17,887	11,229	19,797
Parts, attachments and accessories				34,788	42,796	40,729
All other products				4,019	8,124	4,813

[1] Not shown separately for 1919. [2] Not called for on schedules. [3] Includes repairs.

Source: Bureau of the Census, Department of Commerce.

No. 744.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

[NOTE.—Includes subsidiary products of establishments classed under other industries]

Product	1914	1919	1921	1923
Total value	$359,432,155	$1,063,526,297	$882,988,855	$1,375,467,131
Generators (not specified elsewhere):				
Alternating current—				
Number	[1] 2,512	[1] 3,799	1,687	1,975
Kilovolt-amperes	[1] 1,188,005	[1] 2,724,395	2,994,477	4,566,304
Value	[1] $7,437,445	[1] $12,666,092	$15,513,414	$18,508,280
Direct current—				
Number	[2] 9,633	[2] 6,607	5,691	10,308
Kilowatts	[2] 221,221	[2] 894,132	186,006	254,830
Value	[2] $2,967,465	[2] $6,641,643	$2,922,667	$4,235,285
[illegible]	[3] $5,933,273	[3] $36,662,797	$27,442,763	$54,527,062
[illegible]	(4)	24,078,536	4,042,956	7,165,306
Transformers, etc	14,513,831	27,060,624	42,103,028	59,114,722
Rotating converting apparatus	5,367,895	4,851,404	6,311,458	7,304,964
Control apparatus, railway, vehicle, motor and other	[5] 8,394,612	[5] 21,583,542	19,550,522	33,176,615
Electric locomotives (mining, industrial, and railway)	3,720,914	8,159,825	7,792,104	6,817,011
Stationary motors (not fan), total	27,503,937	81,908,240	58,078,493	84,777,710
Fractional horsepower	[6] 1,190,564	[6] 4,920,311	16,906,738	23,939,172
One horsepower and over:				
Direct current	9,799,661	20,200,313	9,357,953	13,865,447
Alternating current	16,603,712	55,971,245	31,813,802	46,973,091
Railway motors	5,882,776	4,336,994	6,465,669	9,782,610
Vehicle motors, except automotive starting	1,351,442	2,018,108	508,578	803,433
[illegible]	4,895,860	9,908,001	8,610,946	12,053,861
[illegible]	4,512,230	18,722,295	9,393,998	13,824,932
[illegible]	13,080,964	60,036,152	48,558,280	92,843,390
[illegible]	9,521,689	28,829,068	14,608,893	21,446,098
[illegible]	799,802	3,597,975	3,715,792	3,776,125
[illegible]	3,602,741	13,291,615	5,527,654	14,745,541
Incandescent lamps	17,350,385	57,646,900	59,728,393	71,966,225
Vacuum tubes	(4)	[5] 2,984,181	2,210,757	10,672,551
[illegible]	[5] 201,956	[5] 2,649,365	244,069	2,085,854
[illegible]	22,815,640	46,214,342	101,992,354	90,857,998
[illegible]	1,253,954	2,092,340	2,404,155	2,639,919
[illegible]	[5] 792,465	[5] 8,074,036	9,549,649	44,176,298
Household apparatus and appliances:				
Vacuum cleaners, portable	(4)	[5] 21,842,430	10,752,905	35,981,514
[illegible]	1,466,620	5,646,421	4,730,907	8,198,941
[illegible]	[5] 1,327,183	[5] 7,815,212	3,164,332	5,485,893
[illegible]	[7] 671,413	[7] 3,444,170	1,795,427	3,676,645
[illegible]	(4)	(4)	1,151,122	1,862,180
[illegible]	8,786,506	19,322,164	21,032,535	28,221,484
[illegible]	[5] 15,382,662	[5] 26,327,837	36,298,897	59,396,199
Magneto-generators	22,260,847	22,012,122	4,065,243	10,303,620
Spark plugs		19,518,997	10,013,109	13,659,921
Coils		9,755,674	6,510,841	7,867,710
Insulated wire and cables	69,505,573	128,682,339	98,332,970	184,472,095
Searchlights, flood lights, motion-picture, photo-engraving and stage projectors	2,081,545	4,342,246	1,943,402	2,478,988
Railway signals and attachments	(4)	(4)	1,620,351	4,465,648
Fuses, cut-outs and fuse plugs	1,757,430	7,895,098	4,483,023	9,245,283
[illegible]	(4)	6,504,147	6,508,726	16,374,082
[illegible]	[5] 7,580,292	[5] 26,919,178	21,806,416	34,966,232
[illegible]	1,188,773	2,353,416	2,044,045	3,833,631
[illegible]	(4)	[5] 9,379,145	2,691,124	8,796,369
Conduits, underground and interior	4,874,709	19,266,629	19,346,266	37,500,210
Electrical signaling apparatus (other than railway)	674,580	6,124,131	6,444,097	7,142,304
Electrotherapeutic apparatus, exclusive of X-ray tubes and motor-driven devices	2,653,098	5,911,221	6,820,277	5,991,382
All other	57,289,658	226,449,036	145,156,243	218,245,011

[1] Figures not comparable with 1921 and 1923, because of change in classification; synchronous con- der [illegible] ting converting apparatus for 1914.

[2] [illegible] clude generators under 10 kilowatts. (See note 3.)

[3] [illegible] enerators under 10 kilowatts, not used as automotive [illegible]

[illegible] 21 and 1923, because of changes in classification.

[illegible] nd 1919 and as "ranges" in 1921.

Source: Bureau of the Census, Department of Commerce.

No. 745.—ENGINES, WATER WHEELS, TRACTORS, AND LOCOMOTIVES

[NOTE.—For electrical machinery see Table 744. Figures, except for automobile engines, include subsidiary products of establishments classed under other industries. Engines made in automobile factories are included in Table 748]

Class	Number produced			Horsepower (thousands)			Value (thousands of dollars)		
	1914	1921	1923	1914	1921	1923	1914	1921	1923
Total	418,526	401,613	797,805	6,554	9,305	17,527	131,019	242,526	407,433
Steam engines, total	14,664	8,560	13,654	2,193	1,984	2,424	21,784	30,357	27,143
Stationary turbines	1,307	2,016	2,476	1,313	1,100	1,813	8,662	12,343	10,328
Stationary, other	12,404	3,617	7,443	806	264	374	11,822	7,784	10,036
Portable (except automobile)	(1)	978	1,868	(1)	37	133	(1)	991	3,853
Marine turbines	(2)	34	--------	(2)	318	--------	(2)	2,321	--------
Marine, other	953	1,687	725	74	245	75	1,300	5,916	1,547
All other	(3)	228	1,142	(3)	20	29	(3)	1,002	1,379
Internal-combustion engines and tractors, total	384,623	388,306	748,457	3,853	6,610	14,236	62,965	127,868	188,940
Automobile [4]	71,745	159,592	385,145	1,916	3,726	9,585	11,623	31,005	55,719
Diesel	(3)	330	1,006	(3)	89	198	(3)	8,273	13,487
Marine, other	44,157	19,237	35,092	340	210	290	7,570	7,604	8,430
Stationary	250,722	105,317	123,450	1,145	571	720	25,607	20,571	23,237
Portable	(5)	11,332	58,775	(5)	57	238	(5)	1,414	5,342
Tractors, farm	15,150	68,403	140,777	424	1,553	3,073	17,651	51,001	80,059
Tractors, road		493			17			923	
Tractors, other		5,470			17			1,245	
All other	2,849	18,132	4,212	28	370	132	514	5,832	2,666
Water wheels, motors, and turbines	19,239	2,990	32,096	508	711	867	3,633	4,624	6,881
Locomotives (steam)	(3)	1,757	3,598	--------	--------	--------	42,637	79,677	184,469

[1] Included with "Stationary, other," [2] Included with "Stationary, turbines." [3] No data.
[4] Not including engines installed in automobiles manufactured in the same establishments.
[5] Included with stationary engines.

No. 746.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1914	1921	1923	1914	1921	1923
PIANOS						
All products, total value	--------	--------	--------	63,310	74,358	111,202
Pianos:						
Upright	227,686	88,655	105,748	31,431	17,557	21,675
Upright, player	84,456	101,534	170,549	18,892	29,851	46,296
Upright, player, reproducing type		5,309	12,658		2,837	4,649
Grand—						
Baby	10,510	15,613	38,024	4,615	7,757	16,101
Baby, player		2,609	6,769		2,857	5,429
Parlor		2,562	5,899		1,609	3,834
Parlor, player		1,453	2,737		1,535	3,065
Concert		101	666		73	932
Automatic and electric	3,622	3,374	4,539	1,373	2,193	2,381
Pneumatic player actions and player attachments	6,493	8,160	8,304	855	1,116	556
All other products including perforated music rolls	--------	--------	--------	6,144	6,973	6,284
ORGANS						
All products, total value	--------	--------	--------	7,547	11,339	11,080
Organs:						
Pipe	1,185	1,949	1,712	3,620	8,717	9,654
Reed and orchestrions	41,621	8,117	7,824	2,758	994	577
Parts, supplies, and all other products	--------	--------	--------	1,169	1,628	849
OTHER MUSICAL INSTRUMENTS						
All products, total value	--------	--------	--------	3,977	12,704	15,801
PHONOGRAPHS [1]						
All products, total value	--------	--------	--------	27,116	98,213	107,311
	Thousands	*Thousands*	*Thousands*			
Phonographs:						
For disk records	514	588	978	15,291	38,251	55,395
All other		8	20		354	1,642
Disk records	23,314	103,437	92,855	10,377	47,323	35,714
Cylinder records and blanks	3,907	1,755	5,249	734	521	658
Needles, parts, and all other	--------	--------	--------	714	11,764	13,902

[1] Does not include subsidiary products reported by establishments engaged primarily in other industries: In 1923 these amounted to $1,302,000.

Source of Tables 745 and 746: Bureau of the Census, Department of Commerce.

No. 747.—FARM EQUIPMENT: PRODUCTION

[NOTE.—Values for group totals for 1921 have been omitted since the values of parts and attachments in that year were not distributed by groups but included under miscellaneous equipment. For all wagons, see Table 748; for all tractors, see Table 745]

Class	Number				Value (thousands of dollars)			
	1921	1923	1924	1925	1921	1923	1924	1925
All products, total value					328,041	364,854	323,367	379,947
Plows and listers						24,252	21,030	23,549
Moldboard plows	410,617	668,126	537,595	514,768	9,897	12,365	10,655	11,933
Disk plows	16,287	19,299	12,874	20,394	1,936	1,466	1,192	1,754
Listers	22,981	42,989	41,030	37,974	971	1,424	1,630	1,486
Other plows	(1)	11,984	9,075	10,450	(1)	169	152	180
Attachments and parts					[2] 203	8,828	7,401	8,196
Harrows, weeders, rollers, etc						11,484	9,577	9,532
Disk harrows	118,521	126,639	85,699	95,670	6,539	5,594	4,630	5,132
Spike-tooth harrow sections	175,777	194,570	180,573	172,531	1,423	1,223	1,429	1,391
Spring-tooth harrow sections	82,527	120,462	87,830	93,881	1,041	1,490	1,014	842
Other harrows, weeders, rollers, etc					1,433	1,153	926	615
Attachments and parts					(1)	2,024	1,578	1,552
Planting machinery						9,588	9,699	13,252
Corn planters, one and two row	58,811	63,006	58,843	59,830	2,109	2,442	2,493	2,718
Combined corn and cotton planters	35,011	43,744	56,749	62,600	735	1,117	1,746	2,005
Grain drills	42,571	30,572	15,579	32,582	3,501	2,935	1,532	3,567
Broadcastseeders	49,542	78,438	75,480	78,452	438	566	574	483
Other planting machinery					1,658	1,139	1,966	2,576
Attachments and parts					(1)	1,389	1,388	1,903
Cultivators[3]						13,151	14,524	17,499
1-horse	86,349	154,786	129,372	154,695	500	822	720	818
1-row	137,819	191,510	189,940	171,403	4,844	6,012	6,929	6,609
2-row	23,502	27,844	46,921	50,471	1,624	1,728	3,782	4,107
Hand cultivators (wheeled hoes)	150,937	141,082	115,685	117,340	603	424	359	373
Other cultivators	47,409	38,345	13,194	49,426	580	452	367	1,541
Attachments and parts					(1)	3,713	2,366	4,051
Harvesting machinery						26,278	29,752	28,171
Grain binders	72,314	62,764	55,731	42,405	9,344	8,611	9,297	6,650
Grain headers	4,253	3,621	5,693	2,857	815	832	1,552	664
Combined harvesters and threshers	5,027	4,012	5,828	5,124	4,680	4,910	6,634	7,212
Corn binders	5,773	15,719	17,267	20,829	828	2,064	2,488	2,933
Potato diggers	11,747	12,624	10,278	6,226	820	796	672	387
Other harvesting machinery	19,997	11,197	19,548	23,319	1,541	1,350	2,418	2,984
Attachments and parts					(1)	7,715	6,691	7,341
Haying machinery						15,503	15,767	15,400
Mowers	103,826	130,374	126,448	112,299	5,167	6,576	7,386	6,042
Rakes	83,285	80,647	77,542	78,117	2,771	2,882	2,971	2,816
Loaders	21,487	23,340	13,484	15,778	1,535	1,802	1,133	1,245
Other haying machinery	10,831	6,959	7,939	16,997	757	362	569	1,122
Attachments and parts					(1)	3,881	3,708	4,175
Machines for preparing crops for market or use						30,761	23,682	27,387
Threshers	15,923	13,957	10,929	14,876	13,708	12,568	9,422	14,042
Ensilage and fodder cutters	12,251	12,846	14,208	13,677	2,095	2,075	2,165	2,064
Corn shellers	26,119	45,771	38,967	42,818	940	1,478	1,383	1,168
Corn huskers and shredders	4,720	3,231	3,600	2,225	1,569	1,448	1,636	1,219
Hay presses	6,089	5,456	3,311	3,189	1,652	1,704	1,091	1,106
Feed grinders and crushers	18,049	99,425	93,207	98,051	383	1,844	1,615	1,565
Other machines	4,787	14,854	17,895	30,676	1,089	1,145	1,056	1,505
Attachments and parts					(1)	8,499	5,314	4,718
Farm tractors and traction engines	75,977	137,204	120,926	167,640		93,978	83,210	120,559
Gas tractors[3, 4]	74,809	136,584	120,643	167,543	50,408	76,078	68,658	100,797
Steam traction engines	1,168	620	283	97	2,874	1,893	712	252
Attachments and parts					(1)	16,007	13,840	19,510
Horse-drawn vehicles	92,816	254,203	160,451	202,359		24,553	15,537	17,128
Farm wagons	56,747	147,039	84,852	107,712	5,141	13,865	8,132	10,139
Farm trucks	1,656	45,423	38,230	63,167	65	2,054	1,917	2,876
Buggies	34,413	55,913	26,695	19,496	3,655	4,475	2,269	1,781
All other (incl. 2-wheeled carts)		5,828	10,674	11,984		308	438	318
Attachments and parts					(1)	3,851	2,781	2,014
Miscellaneous equipment					(5)	115,306	100,589	107,838
Stalls, stanchions, and stock pens					83	2,874	2,111	2,759
Stock tanks and waterers		271,894	123,964	185,713		2,313	1,312	2,028
Cream separators	74,108	162,169	143,977	182,239	6,928	7,726	6,141	8,452
Internal-combustion engines (farm)	116,649	163,910	120,458	169,196	21,985	12,817	9,463	11,907
Windmills and windmill towers	64,228	119,338	120,577	154,947	3,953	4,636	4,611	5,658
Other, incl. attachments and parts					(5)	84,940	76,950	77,035

[1] Not separately reported. [2] Plowstocks only. [3] Motor cultivators included with gas tractors.
[4] Includes road and industrial tractors. [5] Omitted as incomparable. See headnote.

Source: Bureau of the Census, Department of Commerce.

No. 748.—VEHICLES AND AIRCRAFT: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1914	1921	1923	1914	1921	1923
MOTOR VEHICLES						
Motor vehicle industry, total value of products				503, 230	1, 671, 387	3, 163, 328
Motor vehicles made in motor vehicle industry	568, 781	1, 602, 336	3, 901, 986	458, 761	1, 331, 375	2, 616, 785
Other products of motor vehicle industry				44, 469	340, 012	546, 543
Motor vehicles made in other industries	[1] 4, 258	731	385	[1] 6, 297	677	421
Total motor vehicles, incl. chassis and trailers	[1] 573, 039	1, 603, 067	3, 902, 371	[1] 465, 058	1, 332, 052	2, 617, 206
Classification of vehicles						
Passenger vehicles	543, 881	1, 406, 257	3, 432, 308	414, 542	1, 134, 360	2, 277, 777
Touring, open	451, 032	903, 009	1, 782, 992	345, 973		962, 097
Roadsters and runabouts, open	81, 597	196, 577	373, 208	45, 890	678, 727	156, 573
Sport (speedsters), open			58, 944		120, 394	65, 326
Closed	11, 098	304, 220	1, 201, 577	22, 350	329, 144	1, 066, 838
Public conveyances (cabs, etc.)		2, 253	12, 878		5, 755	24, 667
All other	154	198	2, 709	329	340	2, 276
Government and municipal vehicles	728	1, 131	1, 192	3, 941	9, 458	10, 052
Business vehicles	24, 172	105, 857	281, 477	40, 278	99, 009	222, 420
Delivery cars	4, 391	15, 085	28, 042	4, 750	10, 658	17, 140
Trucks	19, 519	90, 253	252, 563	34, 741	86, 351	202, 723
All other	262	519	872	787	2, 000	2, 557
Chassis	(2)	79, 325	175, 273	(2)	83, 293	101, 486
Passenger	(2)	38, 823	53, 256	(2)	18, 805	25, 121
Business	(2)	40, 502	122, 017	(2)	64, 488	76, 365
Trailers	(2)	3, 769	11, 460	(2)	2, 075	4, 367
Tractors [3]	(2)	6, 728	661	(2)	3, 857	1, 104
MOTORCYCLES, BICYCLES, AND PARTS						
All products				22, 234	23, 098	32, 259
Motorcycles	62, 154	26, 991	41, 898	12, 162	6, 439	10, 025
Bicycles	299, 029	216, 464	486, 177	3, 757	6, 219	10, 727
Parts, repairs, and all other products				6, 315	10, 440	11, 507
CARS, STEAM AND ELECTRIC RAILROAD [4]						
All products				205, 271	340, 536	604, 351
Steam:						
Passenger	1, 653	668	1, 159	19, 607	16, 223	25, 183
Baggage, express, etc	1, 792	680	678	24, 404	17, 968	15, 069
Box	50, 481	13, 809	60, 035	40, 953	40, 453	119, 148
Flat	4, 781	1, 490	2, 949	3, 120	2, 394	4, 066
Gondolas	25, 077	10, 043	29, 259	22, 809	27, 209	55, 073
Hopper	9, 754	10, 248	36, 630	10, 708	24, 963	66, 992
Refrigerator	5, 800	5, 860	19, 891	8, 077	23, 566	52, 261
Stock	3, 929	1, 868	3, 323	2, 587	4, 311	5, 235
Tank	1, 250	3, 832	6, 009	1, 255	11, 007	14, 074
Other varieties	15, 584	4, 115	6, 873	6, 709	8, 681	12, 824
Electric:						
Passenger	2, 335	1, 358	2, 767	8, 076	9, 525	25, 696
Other varieties	207	62	115	714	603	489
All other products, including repairs				56, 252	153, 633	208, 241
CARRIAGES AND WAGONS						
All products				109, 656, 953	33, 054, 237	38, 145, 141
Wagons	572, 409	79, 794	223, 972	36, 533, 152	9, 625, 113	21, 130, 217
Carriages and buggies	550, 401	34, 588	57, 669	34, 193, 368	3, 684, 443	4, 610, 840
Other conveyances	54, 605	6, 110	4, 651	1, 557, 178	296, 845	294, 845
All other products, parts, repairs, etc				37, 373, 255	19, 447, 836	12, 109, 239
AIRCRAFT						
All products					7, 431	12, 945
Airplanes	(5)	290	[6] 505	(5)	3, 818	6, 166
Seaplanes	(5)	12	82	(5)	315	1, 571
Under construction at close of year	(5)	374	281	(5)	[7] 966	[7] 1, 340
Parts				(5)	902	861
All other products, including repairs				(5)	1, 430	3, 007

[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 745.
[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. 749.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

[NOTE.—The statistics for 1915 to 1925 relate to the 12 months ending July 31, and those for prior years to the 12 months ending August 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 consuming cotton mixed with other fibers (thousands)	Cotton consumed, including linters and foreign (thousands of bales)			
	Total in place	Active					Total	The South	New England	Other States
		Total	The South	New England	Other States					
1840	(1)	2,285	181	1,597	506	(1)	237	71	159	7
1850	(1)	3,998	265	2,959	775	(1)	576	78	431	67
1860	(1)	5,236	324	3,859	1,053	(1)	845	94	567	184
1870	(1)	7,132	328	5,498	1,306	(1)	797	69	551	177
1880	(1)	[2] 10,653	[2] 561	[2] 8,632	[2] 1,460	(1)	[2] 1,570	[2] 189	[2] 1,129	[2] 252
1890	(1)	14,384	1,570	10,934	1,880	(1)	2,518	539	1,502	477
1900	(1)	19,472	4,368	13,171	1,933	(1)	3,873	1,523	1,909	440
1906	25,812	25,250	8,995	14,408	1,848	(1)	4,909	2,374	2,060	476
1907	26,939	26,375	9,528	14,913	1,935	651	4,985	2,411	2,073	501
1908	27,964	27,505	10,201	15,329	1,975	602	4,539	2,187	1,895	457
1909	28,573	28,018	10,429	15,592	1,997	559	5,241	2,554	2,144	542
1910	28,929	28,267	10,494	15,735	2,038	--------	4,799	2,292	2,016	490
1911	30,804	29,523	11,085	16,511	1,927	456	4,705	2,328	1,911	465
1912	31,583	30,579	11,583	17,140	1,856	500	5,368	2,712	2,108	547
1913	32,150	31,520	12,227	17,311	1,981	455	5,786	2,961	2,211	615
1914	32,744	32,108	12,711	17,408	1,988	414	5,885	3,023	2,251	610
1915	32,841	31,964	12,956	17,101	1,908	395	6,009	3,193	2,197	619
1916	33,333	32,806	13,382	17,474	1,950	405	7,279	3,977	2,627	674
1917	34,221	33,889	14,156	17,761	1,972	453	7,658	4,335	2,654	669
1918	34,941	34,543	14,529	17,985	2,029	447	7,685	4,414	2,643	628
1919	35,443	34,931	14,846	18,066	2,019	429	6,224	3,491	2,232	501
1920	35,834	35,481	15,231	18,287	1,963	402	6,762	3,714	2,419	629
1921	36,618	36,047	15,709	18,388	1,951	336	5,409	3,152	1,645	612
1922	36,946	35,708	15,906	17,939	1,863	314	6,549	3,978	1,853	718
1923	37,409	36,260	16,310	18,054	1,896	289	7,312	4,489	2,086	737
1924	37,804	35,849	16,944	17,066	1,839	258	6,217	4,051	1,567	600
1925	37,929	35,032	17,292	15,975	1,765	251	6,852	4,460	1,675	717

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Cotton, exclusive of linters					Linters	Cotton, exclusive of linters			Linters
	Total	Domestic			Foreign		Total	Domestic	Foreign	
		Total	Upland	Sea Island						
1906–1910	[3] 4,829	[3] 4,680	[4] 4,595	[4] 62	149	[5] 163	[3] 731	[3] 673	58	[5] 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	[6] 4,909	[6] 4,771	(1)	(1)	138	([6])	[6] 680	[6] 640	40	([6])
1907	[6] 4,985	[6] 4,845	4,785	60	140	([6])	[6] 1,017	[6] 937	80	([6])
1908	[6] 4,539	[6] 4,389	4,345	44	150	([6])	[6] 594	[6] 532	62	([6])
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

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

Source: Bureau of the Census, Department of Commerce.

No. 750.—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				Cotton consumed (1,000 bales)		
	1922	1923	1924	1925	1922	1923	1924	1925	1923	1924	1925
Total	**92, 701**	**99, 508**	**80, 275**	**94, 633**	**93. 5**	**98. 9**	**78. 5**	**92. 9**	**6, 521**	**5, 522**	**6, 428**
January	7, 929	9, 274	8, 347	8, 554	96. 6	107. 6	95. 5	97. 2	610	578	594
February	7, 123	8, 450	7, 100	7, 893	93. 5	109. 6	87. 3	100. 5	567	509	551
March	7, 770	9, 536	7, 071	8, 615	89. 3	108. 3	82. 4	100. 0	624	486	583
April	6, 642	8, 780	6, 776	8, 520	83. 5	109. 2	80. 0	100. 2	577	479	597
May	7, 497	9, 303	5, 908	7, 932	87. 8	107. 6	67. 5	93. 8	621	414	532
June	7, 648	8, 391	5, 344	7, 686	91. 2	98. 8	64. 6	89. 2	542	350	494
July	7, 040	7, 144	5, 182	7, 310	87. 2	87. 4	60. 3	84. 6	463	347	484
August	8, 029	7, 543	5, 434	6, 954	91. 9	85. 4	63. 8	80. 5	492	357	449
September	7, 781	7, 506	6, 472	7, 102	94. 2	93. 6	76. 4	83. 8	486	438	483
October	8, 279	8, 407	7, 655	7, 962	99. 2	95. 8	86. 2	89. 4	543	534	544
November	8, 728	8, 022	7, 143	7, 834	106. 5	96. 7	87. 8	96. 0	533	495	543
December	8, 236	7, 152	7, 841	8, 272	101. 4	87. 0	90. 7	99. 5	464	534	575

No. 751.—COTTON SPINDLE ACTIVITY AND CONSUMPTION BY STATES

NOTE.—All data except as specified are for years ended July 31. See headnote Table 750.

Section and State.	Cotton spindles in place (thousands)			Spindle—hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	Aug. 31, 1911	July 31, 1922	July 31, 1925	1922–23	1923–24	1924–25	1911–1915, average	1916–1920, average	1921–1925, average	1923–24	1924–25
United States	**30, 804**	**36, 948**	**37, 929**	**101, 931**	**84, 360**	**91, 055**	**5, 257**	**6 388**	**5, 869**	**5, 681**	**6, 193**
The South	11, 657	16, 075	17, 635	55, 776	50, 599	55, 912	2, 740	3, 579	3, 811	3, 858	4, 220
New England	17, 045	18, 856	18, 333	41, 271	30, 102	31, 201	2, 101	2, 354	1, 732	1, 535	1, 639
Other States	2, 102	2, 014	1, 961	4, 884	3, 659	3, 941	416	455	326	287	335
Alabama	968	1, 301	1, 432	4, 245	3, 968	4, 311	275	361	385	393	430
Connecticut	1, 270	1, 365	1, 239	3, 393	2, 657	2, 530	127	138	106	97	96
Georgia	1, 981	2, 679	2, 855	9, 318	7, 898	8, 954	589	812	840	864	966
Maine	1, 067	1, 146	1, 118	2, 830	2, 164	2, 176	170	184	159	149	146
Massachusetts	10, 613	11, 923	11, 597	25, 233	17, 763	18, 666	1, 269	1, 432	1, 023	870	951
New Hampshire	1, 463	1, 449	1, 446	2, 452	1, 890	2, 308	292	297	206	192	205
New Jersey	483	434	513	969	899	1, 080	56	48	43	39	62
New York	964	1, 020	996	2, 827	1, 842	1, 908	199	232	168	144	165
North Carolina	3, 354	5, 293	5, 982	19, 063	17, 333	19, 607	840	1, 129	1, 197	1, 200	1, 335
Pennsylvania	280	236	158	374	318	314	48	46	29	31	31
Rhode Island	2, 527	2, 829	2, 788	6, 985	5, 378	5, 255	232	290	228	218	230
South Carolina	4, 187	5, 090	5, 321	17, 905	16, 606	18, 007	743	875	941	948	1, 030
Tennessee	253	428	544	1, 354	1, 322	1, 366	74	103	108	120	115
Virginia	373	634	711	1, 740	1, 571	1, 674	85	106	112	106	111
All other States	1, 021	1, 120	1, 228	3, 243	2, 752	2, 898	258	335	325	311	320

No. 752.—EXPORTS AND IMPORTS OF COTTON MANUFACTURES

[In thousands of dollars; that is, 000 omitted]

Yearly average or year ended June 30—	Exports, domestic	Imports	Year ended June 30—	Exports, domestic	Imports	Year ended June 30—	Exports, domestic	Imports
1840	3, 550	6, 504	1901	20, 272	40, 247	1914	51, 467	70, 705
1850	4, 734	20, 781	1902	32, 108	44, 460	1915	71, 973	46, 205
1860	10, 935	33, 216	1903	32, 216	52, 463	1916	112, 053	47, 512
1870	3, 787	23, 380	1904	22, 404	49, 524	1917	136, 300	56, 182
1880	9, 981	29, 929	1905	49, 666	48, 920	1918	169, 378	44, 751
1890	9, 999	29, 918	1906	52, 944	63, 043	1919	232, 207	34, 763
1891–1895	13, 354	29, 428	1907	32, 305	73, 705	1920	364, 044	111, 875
1896–1900	20, 494	33, 497	1908	25, 178	68, 380	1921	240, 359	97, 550
1901–1905	31, 333	47, 123	1909	31, 879	63, 232	1922	122, 935	88, 196
1906–1910	35, 141	67, 282	1910	33, 397	68, 053	1923	145, 347	93, 374
1911–1915	53, 761	63, 025	1911	40, 852	66, 997	1924	126, 962	92, 067
1916–1920	202, 796	59, 016	1912	50, 770	65, 153	1925	148, 163	87, 859
1921–1925	156, 753	91, 809	1913	53, 744	66, 066			

Sources: Tables 750 and 751, Bureau of the Census, Department of Commerce; Table 752, Bureau of Foreign and Domestic Commerce.

No. 753.—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]

	1915	1919	1920	1921	1922	1923	1924	1925
Black blasting powder	7,909	7,220	10,195	6,401	7,155	8,078	6,683	6,279
Used for railway and other construction work	290	204	196	164	310	370	341	382
Used for coal mining	6,701	6,140	8,791	5,613	6,190	7,020	5,625	5,297
Used for metal mining [1]								138
Used for quarrying and non-metallic mineral mining [1]								240
Used for other mining	268	252	347	185	168	175	144	
Used for all other purposes	650	625	861	439	487	513	572	221
High explosives other than "permissible"	235,829	198,269	229,112	170,952	209,476	267,405	273,323	286,435
Used for railway and other construction work	22,280	12,760	15,053	18,317	22,434	31,930	40,647	39,916
Used for coal mining	22,384	29,616	37,273	34,232	25,498	37,829	36,608	26,947
Used for metal mining [1]								102,623
Used for quarrying and non-metallic mineral mining [1]								71,501
Used for other mining	109,129	89,755	89,132	50,977	78,074	105,004	103,836	
Used for all other purposes	82,036	66,138	87,654	67,426	83,470	92,642	92,231	45,448
"Permissible" explosives	27,350	38,855	53,963	41,134	43,430	60,371	55,134	58,353
Used for railway and other construction work	140	183	267	263	154	324	265	263
Used for coal mining	21,842	32,840	45,222	38,056	40,198	56,807	52,147	52,256
Used for metal mining [1]								3,533
Used for quarrying and non-metallic mineral mining [1]								838
Used for other mining	4,688	2,498	3,751	882	1,453	783	515	
Used for all other purposes	681	3,333	4,724	1,934	1,625	2,457	2,207	1,463

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

No. 754.—EXPLOSIVES: Amounts (Excluding Exports) Manufactured in the United States Sold in Each State, Calendar Year, 1925

[Note.—See headnote to Table 753]

State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives
	Kegs [1]	*Pounds*	*Pounds*
Total	6,278,564	286,434,529	58,353,217
Alabama	146,540	9,492,481	5,168,725
Alaska	1,031	2,477,010	83,900
Arizona	60,378	13,345,025	
Arkansas	47,416	1,937,830	151,500
California	153,564	17,341,791	189,950
Colorado	91,154	6,421,666	925,300
Connecticut	1,153	1,288,350	11,700
Delaware	66	89,135	
Florida	22,226	8,785,350	
Georgia	21,040	1,611,380	1,000
Idaho	13,214	4,583,340	25,830
Illinois	1,065,782	8,155,750	4,002,375
Indiana	624,371	3,938,102	793,100
Iowa	218,043	2,540,315	12,000
Kansas	314,680	8,694,851	180,550
Kentucky	609,763	3,615,608	2,654,875
Louisiana	114	1,917,549	100,200
Maine	2,201	654,100	50
Maryland	25,387	1,504,650	189,100
Massachusetts	1,424	984,075	500
Michigan	6,866	15,794,837	3,289,650
Minnesota	37,113	13,138,193	
Mississippi	2,630	1,514,200	250
Missouri	84,010	9,441,953	44,750
Montana	76,751	6,870,505	66,660
Nebraska	2,675	296,399	
Nevada	61,733	4,436,169	30,000
New Hampshire	436	181,350	150
New Jersey	3,719	3,028,225	600
New Mexico	12,918	2,794,041	453,650
New York	12,338	11,451,824	182,400
North Carolina	34,653	3,833,975	23,300
North Dakota	34,177	208,200	12,475
Ohio	389,457	10,265,246	274,550
Oklahoma	95,858	15,805,478	221,672
Oregon	48,900	6,479,150	72,900
Pennsylvania	1,019,131	39,720,586	24,371,455
Rhode Island	208	60,450	
South Carolina	3,433	853,355	
South Dakota	2,254	1,204,570	3,400
Tennessee	126,193	3,835,325	362,700
Texas	41,373	4,010,395	50,200
Utah	19,438	8,175,765	811,350
Vermont	4,366	303,050	1,850
Virginia	97,908	3,459,975	1,255,875
Washington	55,398	8,938,210	748,850
West Virginia	560,691	5,782,725	10,687,625
Wisconsin	5,196	4,140,715	350
Wyoming	49,020	1,031,305	897,350

[1] Kegs of 25 pounds each.

[2] Includes District of Columbia.

Source of Tables 753 and 754: Bureau of Mines, Department of Commerce.

No. 755.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits: Exclusive of fruit brandy	Distilled spirits: Fruit brandy	Distilled spirits: Total	Fermented liquors	Year ended June 30—	Distilled spirits: Exclusive of fruit brandy	Distilled spirits: Fruit brandy	Distilled spirits: Total	Fermented liquors
	1,000 tax galls.[1]	*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 barrels*[2]		*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 barrels*[2]
1905	147, 811	5, 449	153, 259	[3] 49, 522	1918	173, 476	5, 357	178, 834	[3] 50, 266
1910	156, 238	7, 656	163, 894	[3] 59, 545	1919	98, 976	1, 802	100, 779	[3] 27, 713
1911	175, 402	7, 953	183, 356	[3] 63, 283	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					

[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. 756.—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	Denatured alcohol produced: Specially denatured	Denatured alcohol produced: 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
1916	----------	33	84, 532, 253	7, 871, 953	38, 807, 154	46, 679, 106
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, 808, 273

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

No. 757.—LEAF TOBACCO: Amounts Consumed in the Manufacture of Cigars, Cigarettes, Chewing and Smoking Tobacco, and Snuff

[Note.—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]

[All figures in thousands of 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	1918	664, 974	149, 837	146, 056	369, 081
1901–1905	435, 194	124, 411	12, 444	298, 339	1919	625, 862	151, 503	166, 783	307, 576
1906–1910	495, 848	139, 206	22, 079	334, 563	1920	621, 864	168, 597	146, 907	306, 360
1911–1915	549, 474	153, 560	54, 225	341, 659	1921	587, 391	143, 228	158, 336	285, 827
1913	558, 415	163, 006	56, 559	338, 871	1922	619, 517	151, 709	169, 597	298, 211
1915	551, 728	146, 448	66, 791	338, 488	1923	662, 064	159, 753	200, 395	301, 916
1916	601, 605	159, 068	93, 338	349, 199	1924	669, 103	153, 413	217, 700	297, 990
1917	658, 066	169, 576	133, 506	354, 984	1925[1]	689, 424	148, 291	245, 139	295, 994

[1] Estimated.

Source of Tables 755, 756, and 757: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 758.—PRODUCTION OF MANUFACTURED TOBACCO

[NOTE.—Compiled from monthly returns of manufacturers. Figures relate exclusively 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 1925 to 34,746,125 for cigars and 6,094,228,868 for cigarettes. 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	222,265	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	408,728	[2] 116,459	[2] 10,194	[2] 6,927	[2] 237,003	37,776	6,699,425	557,523	16,824	65,446,093
1913	443,875	164,339	14,894	10,935	220,810	32,898	7,571,508	959,409	15,106	15,555,693
1916	466,166	165,631	15,998	10,846	239,721	33,970	7,042,127	890,483	22,193	25,290,294
1917	482,977	179,413	15,174	11,287	243,586	33,517	7,559,890	967,229	24,596	35,331,264
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	53,119,784
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	246,990	39,029	6,597,677	530,714	16,054	72,708,989
1925 [3]	410,229					37,798	6,500,752	448,205	18,033	79,957,612

	Number of factories Jan. 1, 1925, making—			Production in 1924 (calendar year)				
	Tobacco and snuff	Cigars	Cigarettes	Tobacco and snuff (thousands of pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	**1,573**	**9,877**	**161**	**414,178**	**6,597,677**	**530,714**	**16,054**	**72,708,989**
California	40	324	10	142	77,009		90	2,680,761
Florida	15	337	2	7	521,357			4,050
Illinois	186	1,127	6	32,947	133,293		348	4,657
Indiana	55	269		460	202,325			
Iowa	49	196		734	47,531			
Kentucky	50	73	1	42,150	74,854			372,764
Louisiana	74	54	1	145	76,257			7,352
Maryland	10	123	1	6,648	93,974	182,583		12
Massachusetts	34	303	14	444	127,280		48	4,022
Michigan	49	359	2	13,944	318,182			30,739
Missouri	24	274		58,149	49,704			
New Hampshire	2	18		1	73,954			
New Jersey	33	301	5	31,556	512,672	74,627		6,060,494
New York	367	2,117	86	9,003	783,457	82,875	13,642	11,928,521
North Carolina	17	23	8	118,763	18,024	11,701		39,682,292
Ohio	109	661	3	44,592	616,710	12	10	310
Pennsylvania	189	1,462	13	4,427	2,032,366	134,262	607	3,436,787
Tennessee	24	37		19,920	36,845			
Virginia	29	50	6	14,804	363,071	44,579	492	8,492,337
West Virginia	9	53	1	11,461	91,104	75		3,869
Wisconsin	55	548		1,128	67,517			
All other	153	1,168	2	2,755	280,191	1	817	21

[1] Twist tobacco included with plug prior to 1906.
[2] Four-year average 1921–1924.
[3] Estimates based on sale of stamps by collectors' offices.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 759.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

[NOTE.—**All figures except per capita in thousands of pounds; that is, 000 omitted.** Leaf tobacco used in manufacture given on "new basis," see headnote, Table 757]

	1919	1920	1921	1922	1923	1924	1925
Leaf tobacco consumed in manufacture:							
In registered factories	625,862	621,864	587,391	619,517	662,064	669,103	689,424
In bonded	31,248	31,280	18,209	29,379	34,305	28,589	18,519
Manufactured tobacco imported:							
From Porto Rico	2,378	4,913	2,430	3,312	3,878	3,535	4,151
Other countries	4,701	6,458	2,248	3,116	5,037	3,894	3,993
Exports of manufactured tobacco	61,525	58,622	35,957	41,066	41,907	37,060	29,726
Remaining for consumption	602,664	605,893	574,325	514,258	663,377	668,061	686,361
Per capita consumption—pounds	5.64	5.69	5.32	5.62	5.99	5.87	5.95

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. 760.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

[NOTE.—The figures for all years in this table differ from those for the corresponding years in previous publications because of the elimination in this issue of data for installation permits (those for installing boilers, signs, etc.) which are not strict building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.) rather than the number of permits. The cities shown include all cities having a population of 25,000 or over in 1920, and some cities having a population of 25,000 or over. The estimated cost of buildings authorized in 150 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; and 1925, $3,550,572,815. 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				
	1921	1922	1923	1924	1925	1921	1922	1923	1924	1925
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Akron, Ohio	2,130	2,407	3,629	4,290	5,351	3,705	4,479	7,367	8,759	14,454
Albany, N. Y.	2,110	2,686	3,249	6,764	3,492	4,164	8,743	15,689	12,499	14,704
Allentown, Pa	852	1,040	1,362	1,458	1,588	1,814	3,344	4,804	5,344	8,687
Altoona, Pa	1,573	1,790	1,913	1,787	1,709	1,722	3,199	3,037	3,268	3,002
Atlanta, Ga	3,736	5,180	4,576	4,501	3,849	11,193	20,556	26,596	17,976	10,153
Atlantic City, N. J.	1,331	1,839	1,901	1,695	1,786	7,609	7,523	6,716	9,492	11,625
Augusta, Ga	530	2,073	1,806	1,601	1,409	1,095	2,013	1,231	1,210	1,436
Baltimore, Md	17,366	20,124	20,303	25,684	21,927	37,017	40,452	38,946	46,664	45,453
Bayonne, N. J	566	597	714	606	554	2,632	3,830	5,456	3,586	3,686
Berkeley, Calif	1,702	2,180	2,620	3,556	4,280	3,197	5,610	9,159	9,369	10,056
Bethlehem, Pa	337	351	510	615	678	1,507	1,645	1,946	2,372	6,150
Binghamton, N.Y.	1,052	2,461	2,490	2,057	1,962	1,983	4,965	5,175	4,393	4,497
Birmingham, Ala	5,095	4,571	5,920	6,363	6,198	6,293	7,171	11,146	18,166	16,622
Boston, Mass	7,974	9,017	9,297	11,387	10,965	24,058	57,497	40,676	53,032	70,718
Bridgeport, Conn	1,093	950	871	1,399	1,040	3,107	2,103	3,808	2,981	3,719
Brockton, Mass	837	1,454	1,368	1,340	1,075	1,685	1,906	2,381	2,437	1,720
Brookline, Mass	359	551	532	582	608	3,374	8,356	6,567	8,913	9,806
Buffalo, N. Y	6,263	7,552	9,823	10,508	9,450	19,675	25,853	29,880	28,402	26,774
Cambridge, Mass	853	1,236	1,113	1,202	1,256	1,634	4,432	5,313	8,285	11,711
Camden, N. J	1,178	1,484	1,761	1,967	2,114	1,908	4,343	8,121	6,338	7,913
Canton, Ohio	2,066	2,161	3,825	3,063	2,635	3,816	6,033	8,440	8,608	8,966
Charleston, S. C	465	555	277	234	573	1,351	2,498	1,533	217	632
Chattanooga, Tenn	2,161	2,106	2,164	2,149	2,740	2,403	2,514	2,855	2,885	4,977
Chester, Pa	328	418	529	578	709	787	1,644	2,313	2,074	3,442
Chicago, Ill	25,800	27,926	31,990	34,315	31,954	133,028	229,853	334,164	308,911	373,804
Chicopee, Mass	409	586	831	932	960	1,017	1,840	2,574	3,516	3,654
Cincinnati, Ohio	5,942	8,800	7,619	7,256	7,802	15,261	25,596	23,365	23,572	31,970
Cleveland, Ohio	15,806	12,460	21,120	16,952	16,128	86,680	54,351	72,450	62,980	67,916
Columbus, Ohio	4,673	5,767	7,073	9,585	7,160	9,250	18,191	22,297	30,995	29,353
Council Bluffs, Iowa	785	983	981	647	669	2,132	1,761	2,901	1,769	1,772
Covington, Ky	625	727	560	743	844	1,293	2,355	1,330	2,062	2,915
Dallas, Tex	4,455	4,547	5,518	5,241	5,283	14,800	18,617	25,231	27,795	28,354
Davenport, Iowa	696	1,292	1,523	1,731	853	1,726	3,287	3,567	1,820	1,831
Dayton, Ohio	2,741	3,346	4,146	3,420	3,383	6,055	11,511	10,202	9,750	12,484
Denver, Colo	5,149	6,200	6,231	7,809	7,064	9,662	17,712	19,774	25,175	24,713
Des Moines, Iowa	1,348	1,951	2,541	2,312	2,130	3,723	14,010	8,326	9,220	6,184
Detroit, Mich	17,615	25,479	35,707	40,682	41,892	58,086	93,615	129,720	160,548	180,133
Dubuque, Iowa	339	485	623	986	1,067	1,323	2,901	1,818	1,613	1,291
Duluth, Minn	2,472	2,700	2,977	2,632	2,781	3,682	7,833	6,647	7,113	7,059
East Orange, N. J	959	1,179	1,212	1,205	1,264	3,472	4,693	4,830	6,789	7,495
East St. Louis, Ill	835	962	1,393	1,270	1,519	1,351	2,631	2,852	3,285	5,081
Elizabeth, N. J	876	966	1,419	1,467	1,766	3,677	5,719	5,946	6,594	8,998
El Paso, Tex	1,614	1,104	752	328	793	4,616	3,294	2,303	1,359	2,217
Erie, Pa	1,733	1,825	1,944	2,259	2,241	3,331	4,861	4,252	6,949	8,538
Evansville, Ind	-------	1,923	2,373	2,940	1,885	-------	4,212	4,045	3,334	3,270
Everett, Mass	451	582	738	741	725	548	2,056	1,459	3,764	2,194
Fall River, Mass	807	1,365	1,602	1,180	1,302	1,694	5,044	5,274	4,451	3,796
Fitchburg, Mass	445	442	602	669	685	482	1,202	1,113	1,618	2,128
Flint, Mich	2,827	3,006	7,677	4,750	4,388	2,695	6,714	10,955	8,943	6,274
Fort Wayne, Ind	1,529	2,469	2,852	3,098	2,759	4,800	9,861	11,995	11,488	10,923
Fort Worth, Tex	2,206	2,514	2,975	2,463	2,291	4,486	7,022	8,475	11,031	8,434
Galveston, Tex	4,745	3,576	1,082	2,256	2,859	1,575	2,097	1,000	2,575	1,703
Gary, Ind	902	822	1,171	2,089	2,717	2,794	2,944	4,281	9,059	13,053
Grand Rapids, Mich	2,906	3,995	4,565	5,953	6,471	5,607	12,201	9,925	9,460	12,187
Hamilton, Ohio	549	486	670	1,014	1,118	1,072	1,083	1,456	2,199	2,208

No. 760.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1921	1922	1923	1924	1925	1921	1922	1923	1924	1925
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Harrisburg, Pa	652	1,103	984	1,055	1,039	5,696	3,830	9,411	6,866	3,385
Hartford, Conn	2,048	2,041	2,292	2,691	2,717	6,993	9,560	11,364	18,126	21,804
Haverhill, Mass	389	546	570	348	323	775	1,278	1,026	714	667
Hoboken, N. J	262	219	236	186	268	550	478	678	705	1,749
Holyoke, Mass	364	637	660	803	726	1,066	2,743	2,698	3,291	3,413
Houston, Tex	2,811	3,154	6,924	6,991	6,598	9,287	12,496	19,117	17,217	35,041
Huntington, W. Va	1,726	1,484	1,982	2,375	1,817	3,396	3,787	5,208	9,028	5,414
Indianapolis, Ind	9,346	13,147	14,042	15,093	14,053	17,850	26,453	26,313	23,910	24,840
Jackson, Mich	664	918	1,128	1,306	1,334	1,319	1,274	2,329	1,602	2,599
Jacksonville, Fla	2,644	2,670	3,034	3,169	3,778	5,037	5,627	7,433	7,186	14,601
Jersey City, N. J	1,603	1,874	1,898	2,126	2,061	12,360	20,429	21,541	19,576	24,989
Johnstown, Pa	601	556	699	948	(1)	8,726	8,771	8,164	6,530	(1)
Kalamazoo, Mich	904	1,192	1,331	1,273	1,421	1,337	1,401	1,953	1,612	2,053
Kansas City, Kans	907	1,150	1,950	1,768	2,121	1,717	3,384	4,515	3,985	3,737
Kansas City, Mo	4,361	5,269	6,244	5,221	6,386	15,725	22,979	25,762	21,865	38,256
Kenosha, Wis	664	658	1,217	1,190	1,641	1,266	1,172	5,010	4,458	4,640
Knoxville, Tenn	1,430	2,382	3,353	3,459	2,691	2,665	5,042	6,588	6,512	6,329
Lakewood, Ohio	1,199	1,972	2,497	1,866	1,378	5,355	8,877	12,149	8,613	7,317
Lancaster, Pa	505	944	1,123	1,257	899	1,329	2,886	3,784	4,748	4,132
Lansing, Mich	1,642	1,908	2,250	2,122	1,629	2,400	3,876	6,304	5,663	5,369
Lawrence, Mass	661	923	1,156	660	534	3,046	5,223	7,769	3,939	3,005
Lincoln, Nebr	732	1,075	1,319	1,239	1,621	1,715	5,104	3,204	3,115	7,007
Little Rock, Ark	2,461	2,394	2,563	2,252	2,218	3,497	3,908	3,483	4,331	5,108
Long Beach, Calif	3,740	4,985	5,737	4,861	4,538	13,144	14,044	23,698	19,751	12,261
Los Angeles, Calif	37,206	47,397	62,548	51,134	43,979	82,761	121,207	200,133	150,148	152,646
Louisville, Ky	3,281	3,973	5,212	4,673	5,109	7,428	17,476	15,926	18,663	29,504
Lowell, Mass	1,188	722	1,585	817	1,105	1,452	1,395	4,024	1,577	2,624
Lynn, Mass	867	971	1,132	1,233	1,404	1,356	1,798	3,019	3,853	4,683
McKeesport, Pa	369	503	611	813	950	744	1,847	1,086	2,306	2,384
Macon, Ga	723	1,850	1,951	1,495	1,628	910	1,579	1,467	1,754	1,730
Malden, Mass	590	348	807	876	880	1,248	1,287	2,358	3,569	3,006
Manchester, N. H	968	1,173	1,607	1,463	1,315	1,214	2,340	1,982	2,649	2,361
Medford, Mass	586	831	951	1,083	1,195	1,526	4,181	3,480	4,326	5,596
Memphis, Tenn	2,516	3,262	4,021	5,068	4,728	8,849	19,896	17,434	19,271	15,316
Milwaukee, Wis	6,817	7,386	8,685	8,386	7,960	19,417	25,141	34,110	37,442	31,477
Minneapolis, Minn	6,797	10,098	11,076	9,570	9,948	22,696	29,414	32,964	22,726	29,446
Mobile, Ala	256	233	686	960	831	735	759	1,149	1,300	2,638
Montgomery, Ala	1,328	1,072	992	869	1,072	1,759	858	920	794	1,012
Mt. Vernon, N. Y	810	1,066	924	945	939	3,596	6,557	5,604	10,445	10,877
Nashville, Tenn	2,249	3,567	2,915	2,701	1,907	3,277	5,522	10,239	5,528	6,386
Newark, N. J	3,311	3,902	4,704	4,850	4,548	18,704	28,361	35,756	41,756	39,607
New Bedford, Mass	882	1,238	1,475	1,168	1,083	5,817	6,885	8,551	6,925	8,297
New Britain, Conn	804	1,028	1,167	1,263	1,473	1,596	3,317	3,381	6,132	7,717
New Haven, Conn	1,655	1,757	2,596	2,166	1,921	6,388	9,603	12,739	8,376	8,075
New Orleans, La	2,941	2,994	3,033	2,773	2,580	8,738	13,771	13,988	16,979	16,345
New Rochelle, N. Y	771	1,020	1,028	1,066	1,031	3,205	5,988	6,358	8,276	9,410
New York, N. Y.:										
Borough of Brooklyn	19,670	26,075	31,351	30,700	27,696	126,848	209,462	280,736	238,614	255,226
Borough of Bronx	4,205	7,585	12,224	8,094	7,962	74,668	110,079	132,709	131,507	157,134
Borough of Manhattan	4,350	4,525	3,733	4,143	4,066	144,606	165,136	204,032	286,643	398,931
Borough of Queens	17,291	25,753	26,659	26,568	30,911	85,417	148,485	158,490	163,536	196,217
Borough of Richmond	4,143	3,920	3,587	4,079	3,484	10,747	12,015	13,299	15,744	13,096
Niagara Falls, N. Y	991	1,151	1,236	1,256	1,471	3,358	4,289	5,536	5,149	6,715
Norfolk, Va	1,045	1,312	1,943	1,755	1,594	5,014	5,197	5,327	6,484	2,898
Oakland, Calif	6,860	8,942	11,290	11,898	13,082	15,724	24,391	27,157	30,937	38,964
Oak Park, Ill	1,284	1,548	1,442	1,275	1,095	6,801	8,378	10,092	9,750	8,085
Oklahoma City, Okla	2,781	2,271	2,437	2,369	2,576	7,800	8,054	7,949	8,053	5,777
Omaha, Nebr	1,950	2,740	2,845	2,852	2,905	11,378	11,243	13,002	12,269	14,652
Passaic, N. J	631	812	957	1,000	769	2,783	3,980	3,702	4,424	6,659
Paterson, N. J	2,082	2,656	3,174	2,694	2,449	4,978	5,732	10,735	7,726	7,709
Pawtucket, R. I	775	831	1,297	1,141	1,345	2,121	2,692	4,914	3,696	6,697
Peoria, Ill	1,616	1,491	1,638	1,692	1,785	2,553	4,029	3,757	4,750	5,566

[1] Data not received.

No. 760.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1921	1922	1923	1924	1925	1921	1922	1923	1924	1925
						1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Philadelphia, Pa	11,995	21,214	21,011	23,595	24,949	41,951	114,191	128,227	141,403	171,034
Pittsburgh, Pa	5,147	6,268	8,310	8,619	8,444	23,477	31,072	33,426	32,155	52,272
Portland, Me	914	1,235	1,251	1,422	1,271	1,638	3,070	4,524	3,112	2,002
Portland, Oreg	14,677	13,420	14,463	15,276	15,196	14,819	22,334	25,215	29,219	38,476
Portsmouth, Va	527	401	450	466	442	999	956	692	1,106	778
Providence, R. I	5,470	5,940	6,416	6,512	7,025	13,647	15,070	22,472	29,302	23,196
Pueblo, Colo	1,149	847	881	1,282	1,266	1,166	1,497	898	1,686	2,346
Quincy, Ill	54	160	285	279	454	300	752	1,237	1,544	1,257
Racine, Wis	951	857	1,028	1,043	1,295	2,058	2,536	2,914	3,432	5,265
Reading, Pa	.....	3,269	3,289	3,123	2,805	.....	4,800	4,382	6,069	6,814
Richmond, Va	2,876	3,557	3,745	3,837	3,522	9,277	14,689	15,642	13,613	19,398
Roanoke, Va	1,219	1,617	1,931	1,636	1,534	2,267	3,236	4,057	4,144	3,425
Rochester, N. Y	5,414	6,381	7,445	7,199	6,864	15,920	17,313	22,825	28,319	28,097
Rockford, Ill	1,350	1,413	1,596	1,862	1,959	1,998	3,528	3,751	4,103	6,476
Sacramento, Calif	2,631	2,807	3,349	3,184	2,991	4,762	9,390	9,677	7,595	11,324
Saginaw, Mich	1,957	2,035	2,087	2,171	1,844	3,045	2,675	1,846	2,844	2,935
St. Joseph, Mo	44	873	1,017	839	765	34	1,227	1,821	1,351	2,264
St. Louis, Mo	11,044	12,520	15,553	15,900	15,391	14,502	24,980	41,352	39,766	55,057
St. Paul, Minn	5,001	6,228	6,218	6,078	6,234	13,839	22,341	29,915	20,771	28,811
Salem, Mass	898	889	920	1,000	811	1,143	1,501	1,239	3,098	2,167
Salt Lake City, Utah	1,456	1,378	1,529	1,534	1,603	4,710	4,532	6,396	5,358	5,845
San Antonio, Tex	3,761	3,893	3,676	3,904	3,803	7,052	7,070	8,022	9,207	9,432
San Diego, Calif	3,875	4,505	4,749	7,004	7,746	8,185	10,201	11,999	15,009	18,061
San Francisco, Calif	4,613	6,278	8,777	7,572	8,087	21,716	45,147	46,348	57,603	50,093
Savannah, Ga	710	619	553	768	622	2,200	1,314	1,460	2,257	1,654
Schenectady, N. Y	880	1,229	1,682	2,034	1,583	2,540	4,207	5,973	8,131	7,160
Scranton, Pa	626	1,373	1,465	1,396	1,363	2,333	4,893	3,843	5,320	5,985
Seattle, Wash	10,811	10,036	10,338	10,471	11,803	12,809	19,624	22,951	27,212	30,627
Shreveport, La	2,961	2,822	3,358	3,383	2,951	3,912	6,068	9,451	8,064	5,435
Sioux City, Iowa	1,440	1,236	1,228	1,471	1,436	3,503	3,355	3,328	4,669	3,611
Somerville, Mass	676	993	999	1,040	1,067	1,838	3,853	3,185	3,306	5,653
South Bend, Ind	2,379	4,288	5,284	3,611	2,983	4,146	10,099	13,322	5,360	8,445
Spokane, Wash	2,590	2,969	2,506	2,437	2,749	2,100	3,177	2,487	3,288	4,367
Springfield, Ill	983	1,234	1,410	2,107	1,726	2,083	4,233	3,750	6,198	5,527
Springfield, Mass	1,954	2,362	2,639	3,116	2,765	5,670	9,254	10,973	13,100	15,002
Springfield, Ohio	822	1,027	1,324	1,196	1,215	1,352	2,145	1,737	1,924	1,543
Stockton, Calif	1,010	1,308	1,734	1,454	1,519	1,935	3,142	3,875	4,112	3,814
Superior, Wis	898	902	885	797	891	887	3,007	848	1,371	3,223
Syracuse, N. Y	2,918	3,238	3,746	3,615	3,546	5,829	9,904	10,228	9,467	11,920
Tacoma, Wash	4,556	4,112	4,372	4,064	3,759	4,593	4,232	5,500	8,368	7,074
Tampa, Fla	.....	2,752	2,428	4,039	7,020	.....	3,085	3,681	6,573	22,759
Terre Haute, Ind	1,116	1,689	1,936	2,380	1,897	1,632	2,159	2,226	2,712	1,536
Toledo, Ohio	4,111	4,979	7,486	7,047	6,349	7,789	9,639	15,839	15,812	15,503
Topeka, Kans	950	1,180	1,550	1,554	1,484	1,355	2,441	4,806	2,598	3,176
Trenton, N. J	1,520	1,740	2,313	2,296	2,377	3,306	4,348	7,034	5,751	7,923
Troy, N. Y	403	613	615	1,000	896	1,462	1,043	2,284	4,236	3,002
Tulsa, Okla	1,907	2,075	1,962	2,117	2,746	7,305	13,507	7,478	7,984	10,016
Utica, N. Y	1,161	1,628	2,603	1,102	1,024	3,207	6,946	6,753	7,775	5,157
Washington, D. C	7,515	9,390	8,296	8,927	10,805	26,436	50,266	50,754	48,090	65,490
Waterbury, Conn	934	892	1,038	1,295	1,109	3,152	2,326	2,772	3,984	5,088
West Hoboken, N. J.	207	452	411	402	652	458	1,523	1,357	1,373	1,768
Wheeling, W. Va	959	1,187	1,378	1,468	1,166	1,236	3,451	3,975	5,147	3,263
Wichita, Kans	3,013	3,327	3,361	2,907	2,341	7,402	5,937	6,512	4,293	5,042
Wilkes-Barre, Pa	726	1,952	1,144	1,706	1,560	1,580	3,829	2,759	4,522	3,901
Wilmington, Del	936	1,251	2,085	1,782	1,630	2,091	2,767	3,745	3,776	3,987
Worcester, Mass	2,501	2,416	3,036	3,403	3,133	6,494	8,137	11,149	14,768	18,089
Yonkers, N. Y	852	1,013	1,041	1,385	1,762	4,598	8,532	10,544	13,289	19,899
York, Pa	1,021	1,332	1,325	1,659	1,078	996	1,252	1,963	2,941	3,263
Youngstown, Ohio	1,456	1,759	2,404	3,054	2,813	4,554	5,302	5,791	11,942	11,953

Source: Bureau of Labor Statistics, Department of Labor

No. 761.—BUILDING PERMITS ISSUED IN 272 IDENTICAL CITIES

[NOTE.—See headnote, Table 760. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated]

Kind of building	Number of buildings		Proposed cost (thousands of dollars)	
	1924	1925	1924	1925
All buildings	**561, 149**	**561, 572**	**3, 207, 908**	**3, 805, 427**
Residential buildings	**278, 669**	**296, 051**	**2, 070, 277**	**2, 461, 546**
1-family dwellings	214, 685	234, 026	925, 001	1, 070, 641
2-family dwellings	43, 981	38, 683	365, 513	324, 189
1-family and 2-family dwellings with stores combined	4, 877	5, 786	48, 324	58, 865
Multi-family dwellings	13, 076	15, 112	558, 520	709, 354
Multi-family dwellings with stores combined	1, 429	1, 779	54, 774	76, 564
Hotels	329	342	91, 141	171, 798
Lodging houses	135	120	1, 215	1, 138
Other	157	203	25, 790	48, 997
Nonresidential buildings	**282, 480**	**265, 521**	**1, 137, 631**	**1, 343, 881**
Amusement buildings	981	1, 047	59, 206	116, 284
Churches	1, 251	1, 245	58, 396	63, 438
Factories and workshops	4, 854	4, 986	173, 046	173, 288
Public garages	6, 038	5, 172	80, 068	82, 922
Private garages	223, 750	208, 871	98, 440	88, 187
Service stations	4, 120	4, 088	10, 985	13, 003
Institutions	340	251	35, 573	53, 232
Office buildings	1, 521	1, 867	188, 504	263, 224
Public buildings	291	291	29, 510	23, 383
Public works and utilities	660	615	43, 665	43, 890
Schools and libraries	1, 035	1, 038	158, 718	163, 028
Sheds	19, 150	17, 248	9, 088	7, 476
Stables and barns	1, 169	565	1, 393	1, 301
Stores and warehouses	14, 537	15, 634	184, 932	242, 327
All other	2, 783	2, 603	6, 108	8, 897

Source: Bureau of Labor Statistics, United States Department of Labor.

No. 762.—INDEX NUMBERS OF BUILDING—BY 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	92. 6	98. 7	91. 2	77. 8	95. 1	88. 6	100		
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	231. 9	164. 4	135. 3	169. 0	201. 8	179		
1922	148. 8	168. 4	183. 4	201. 8	159. 3	114. 8	155. 9	174. 5	170	181. 6	185. 6
1923	153. 7	189. 1	206. 5	213. 5	170. 4	160. 4	168. 8	214. 1	202	206. 6	208. 3
1924	149. 7	175. 1	182. 9	212. 9	172. 3	148. 0	166. 9	215. 4	198	201. 3	203. 4
1925	158. 4	175. 3	185. 6	206. 1	170. 9	132. 5	166. 6	206. 7	195	195. 4	196. 6
1924											
March	149. 9	182. 1	191. 9	214. 3	173. 1	165. 5	168. 9	224. 7	202	204. 7	208. 7
June	144. 6	172. 7	179. 3	214. 8	173. 1	150. 6	164. 5	216. 9	199	202. 9	205. 0
September	148. 8	170. 7	177. 2	211. 0	173. 1	135. 7	165. 2	211. 3	196	201. 6	203. 0
December	157. 0	175. 1	184. 0	209. 6	166. 3	130. 8	168. 6	208. 5	197	200. 7	202. 2
1925											
March	161. 0	179. 8	192. 9	208. 0	173. 1	139. 1	167. 2	210. 2	197	198. 1	201. 0
June	157. 4	170. 7	178. 8	206. 1	173. 1	132. 4	164. 0	204. 6	194	196. 9	197. 6
September	159. 7	174. 1	182. 8	204. 1	173. 1	129. 1	168. 3	202. 1	194	192. 2	193. 3
December	156. 2	177. 0	189. 5	204. 7	163. 2	129. 1	166. 6	206. 0	194	193. 2	195. 4

[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.

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

No. 763.—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 parts of Kansas and Nebraska, 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
Value of contracts	857, 700	720, 040	940, 092	1, 356, 984	1, 618, 157	1, 689, 240
Industrial buildings	----------	----------	106, 944	182, 544	248, 016	482, 424
Residential buildings	----------	----------	417, 984	483, 300	354, 576	304, 572
Floor space in buildings:						
Industrial	----------	----------	63, 696	96, 600	108, 504	180, 9
Residential	----------	----------	228, 000	218, 004	150, 996	104, 000 04

Class	1919	1920	1921	1922	1923	1924	1925
Number of projects	82, 342	57, 851	78, 237	107, 652	105, 455	109, 053	132, 109
Commercial	13, 103	10, 752	10, 129	12, 636	12, 713	12, 172	13, 925
Industrial	7, 637	6, 137	3, 288	3, 876	4, 051	3, 463	4, 275
Residential	47, 990	28, 966	49, 418	72, 996	71, 536	77, 714	96, 822
Educational	1, 997	2, 027	2, 727	3, 301	2, 768	2, 793	2, 960
Public works	7, 843	6, 406	8, 452	10, 427	10, 483	8, 673	9, 125
All other	3, 772	3, 563	4, 223	4, 416	3, 904	4, 238	5, 002
Floor space in buildings	560, 219	401, 794	387, 229	573, 856	591, 976	600, 916	762, 148
Commercial	110, 884	82, 434	65, 235	95, 233	92, 788	95, 861	124, 064
Industrial	153, 268	127, 830	35, 771	65, 550	62, 205	40, 967	58, 719
Residential	241, 880	137, 524	204, 575	311, 407	354, 257	371, 268	470, 207
Educational	22, 979	26, 278	40, 583	54, 592	44, 332	46, 875	51, 204
All other	31, 210	27, 727	41, 066	47, 076	38, 396	45, 945	57, 951
Value of contracts	2, 579, 881	2, 533, 224	2, 360, 189	3, 352, 657	3, 494, 118	3, 879, 538	5, 043, 028
Commercial buildings	405, 666	419, 653	338, 028	496, 300	446, 124	522, 234	7, 717, 253
Industrial buildings	512, 924	588, 965	173, 316	325, 000	378, 815	285, 137	413, 321
Residential buildings	849, 206	566, 123	877, 870	1, 347, 157	1, 582, 751	1, 842, 463	2, 359, 907
Educational buildings	119, 515	172, 299	243, 652	303, 347	272, 529	317, 147	369, 490
Public works	502, 006	566, 345	459, 356	562, 166	557, 368	577, 327	704, 113
All other	190, 564	219, 839	267, 967	318, 687	256, 531	335, 228	478, 945

Class and month	36 States								
	Number of projects			Floor space in buildings			Value of contracts		
	1923	1924	1925	1923	1924	1925	1923	1924	1925
Total	120, 049	133, 169	162, 888	673, 566	699, 320	887, 550	3, 981, 314	4, 485, 791	5, 822, 240
Commercial	14, 642	15, 228	17, 825	109, 508	113, 040	151, 062	512, 914	596, 343	835, 673
Industrial	4, 545	4, 062	5, 105	73, 421	50, 033	67, 478	443, 186	355, 269	462, 741
Residential	81, 063	94, 910	119, 142	392, 747	422, 285	540, 509	1, 734, 494	2, 050, 093	2, 671, 970
Educational	3, 546	3, 645	3, 767	55, 688	58, 241	58, 700	320, 621	367, 439	413, 204
Public works	11, 526	9, 964	10, 819	----------	----------	----------	665, 473	723, 911	885, 732
All other	4, 727	5, 360	6, 230	47, 201	55, 723	69, 801	304, 627	392, 736	552, 920
January	6, 517	8, 111	8, 677	43, 327	55, 857	47, 632	242, 738	301, 952	296, 473
February	7, 080	8, 057	9, 353	49, 553	54, 410	46, 179	281, 140	299, 929	299, 260
March	11, 501	11, 794	14, 475	71, 825	77, 803	73, 269	371, 447	433, 340	480, 916
April	13, 646	13, 169	15, 844	72, 277	72, 695	81, 843	399, 201	480, 097	546, 971
May	13, 238	13, 337	15, 927	72, 882	68, 332	78, 290	433, 907	419, 273	496, 024
June	9, 555	11, 491	14, 808	53, 727	56, 699	76, 273	371, 034	387, 521	540, 610
July	9, 369	10, 821	15, 412	49, 170	49, 673	81, 772	315, 024	347, 184	529, 000
August	9, 849	11, 093	15, 114	47, 910	49, 696	88, 146	298, 629	354, 443	589, 690
September	8, 819	11, 231	13, 989	44, 856	51, 293	81, 708	288, 932	344, 316	548, 217
October	11, 382	12, 447	15, 232	62, 192	54, 616	81, 051	360, 687	410, 091	519, 528
November	10, 154	11, 194	12, 730	57, 578	54, 924	76, 715	318, 829	379, 660	464, 683
December	8, 939	10, 419	11, 327	53, 269	53, 321	74, 671	299, 748	327, 986	510, 868

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

Source: F. W. Dodge Co.

No. 764.—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	10,395	8,017	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	234,846	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
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

[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 susponded from May 27, 1891, to June 9, 1896.

Source: Reports of the Commissioner of Patents.

COMMERCIAL AND OTHER STATISTICS OF

[For statistics of foreign countries presented in

No. 765.—AREA, POPULATION, AND TRANSPORTATION AND COMMU

[NOTE.—Population figures are in most cases official estimates for 1924. Other figures are for the calendar
Blanks indicate data unavailable.

Country	Area (square miles)	Population (thousands)	Density per square mile	Railways: Mileage: Total	Railways: Mileage: Per 10,000 inhabitants	Railways: Mileage: Per 1,000 square miles	Railways: Freight (thousands of metric tons)
Total countries specified	**37, 063, 349**	**1, 615, 873**	**43. 6**	**712, 523**	**4. 4**	**19. 2**	**4, 119, 162**
Total, excluding United States (continental)	**34, 036, 560**	**1, 502, 146**	**44. 1**	**462, 367**	**3. 1**	**13. 6**	**2, 004, 238**
North America:							
United States (continental)	3, 026, 789	113, 727	37. 6	250, 156	22. 0	82. 6	2, 114, 924
Alaska	590, 884	[2] 55	[2] . 1	544	98. 9	. 9	49
Hawaii	6, 449	307	47. 6	[4] 346	11. 3	53. 7	1, 798
Canada	3, 729, 665	9, 227	2. 5	40, 061	43. 4	10. 7	96, 551
Newfoundland	42, 734	[5] 263	[5] 6. 2	[3] 906	34. 4	21. 2	424
Mexico	760, 290	[5] 14, 235	[5] 18. 7	12, 983	9. 1	17. 1	11, 811
Central America	215, 006	6, 164	28. 7	2, 655	4. 3	12. 3	----------
British Honduras	8, 598	45	5. 2	[6] 41	9. 1	4. 8	----------
Costa Rica	23, 005	498	21. 6	[6] 500	10. 0	21. 7	----------
Guatemala	42, 364	2, 185	51. 6	[6] 485	2. 2	11. 4	----------
Honduras	46, 262	650	14. 1	[6] 725	11. 2	15. 7	----------
Nicaragua	49, 213	690	14. 0	[6] 210	3. 0	4. 3	----------
Panama	32, 388	446	13. 8	[6] 295	6. 6	9. 1	----------
Salvador	13, 176	1, 650	125. 2	[6] 399	2. 4	30. 3	----------
Cuba	44, 164	3, 369	76. 3	2, 227	6. 6	50. 4	----------
Dominican Republic	19, 332	[5] 897	[5] 46. 4	159	1. 8	8. 2	37
Haiti	10. 207	2, 045	200. 4	[6] 165	. 8	16. 2	----------
Porto Rico	3, 435	1, 384	402. 9	[6] 316	2. 5	100. 7	----------
South America:							
Colombia	495, 522	6, 760	13. 6	997	1. 5	2. 0	1, 810
Venezuela	393, 977	2, 562	6. 5	[3] 646	2. 5	1. 6	529
Argentina	1, 153, 417	9, 839	8. 5	22, 640	23. 0	19. 6	----------
Brazil	3, 276, 358	33, 737	10. 3	[3] 19, 036	5. 6	5. 8	[7] 17, 879
Paraguay	97, 722	1, 000	10. 2	274	2. 7	2. 8	[1] 155
Uruguay	72, 172	1, 632	22. 6	[3] 1, 633	10. 0	22. 6	[6] 941
Bolivia	560, 000	2, 820	5. 0	1, 028	3. 6	1. 8	----------
Chile	290, 160	3, 905	13. 5	5, 441	13. 9	18. 8	22, 165
Ecuador	118, 627	2, 000	16. 9	440	2. 2	3. 7	[9] 132
Peru	532, 185	6, 000	11. 3	2, 081	3. 5	3. 9	2, 924
Europe:							
Sweden	173, 150	6, 036	34. 9	9, 762	16. 2	56. 4	38, 302
Norway	125, 016	2, 732	21. 9	[3] 2, 230	8. 2	17. 8	10, 321
Denmark	16, 609	3, 386	203. 9	3, 087	9. 1	185. 9	[1] 10, 741
United Kingdom	94, 101	45, 061	478. 9	19, 573	4. 3	208. 0	340, 837
Irish Free State	26, 592	3, 161	118. 9	2, 219	7. 0	83. 4	----------
Belgium	11, 753	7, 744	658. 9	5, 901	7. 6	502. 1	69, 316
France	212, 736	[5] 39, 210	[5] 184. 3	26, 200	6. 7	123. 2	278, 234
Netherlands	13, 212	7, 298	552. 4	2, 405	3. 3	182. 0	16, 167
Austria	32, 368	[6] 6, 536	[6] 201. 9	4, 133	6. 3	127. 7	----------
Czechoslovakia	54, 198	14, 051	259. 3	[7] 8, 497	[4] 6. 0	156. 8	61, 915
Hungary	35, 756	8, 275	231. 4	4, 421	5. 3	123. 6	31, 066
Germany	181, 511	62, 475	344. 2	[3] 35, 416	5. 7	195. 1	[3] 370, 510
Switzerland	15, 945	3, 918	245. 7	3, 716	9. 5	233. 1	16, 613
Esthonia	18, 359	1, 200	65. 4	1, 100	9. 2	59. 9	1, 198
Finland	149, 993	3, 500	23. 3	2, 710	7. 7	18. 1	7, 931
Latvia	25, 402	1, 845	72. 6	1, 776	9. 6	69. 9	2, 204
Lithuania	21, 490	2, 203	102. 5	1, 052	4. 8	49. 0	1, 015
Poland	149, 915	28, 478	190. 0	10, 514	3. 7	70. 1	85, 212
Russia (total U. S. S. R.)	8, 189, 374	[3] 138, 781	[3] 16. 9	[3] 45, 742	3. 3	5. 6	82, 623
Italy	119, 733	39, 657	331. 2	[3] 13, 083	3. 3	109. 3	57, 058
Portugal	35, 499	[2] 6, 033	[2] 169. 9	2, 040	3. 4	57. 5	2, 048
Spain	195, 061	21, 763	111. 6	[3] 9, 614	4. 4	49. 3	[3] 43, 303
Bulgaria	39, 825	5, 034	126. 4	1, 639	3. 3	41. 2	2, 945
Greece	54, 000	6, 500	120. 4	[3] 1, 700	2. 6	31. 5	[3] 1, 066
Rumania	113, 885	16, 750	147. 1	7, 327	4. 4	64. 3	[6] 13, 221
Yugoslavia	96, 134	12, 492	129. 9	6, 764	5. 4	70. 4	----------

For footnotes see pp. 814–815.

THE PRINCIPAL COUNTRIES OF THE WORLD

other sections, see index under World Statistics]

NICATION FACILITIES OF THE PRINCIPAL COUNTRIES OF THE WORLD

year 1924 or the fiscal year 1924–25 except as noted. Totals are for countries listed, not for the entire world. The metric ton is 2204.6 pounds]

Postal service		Telegraphs			Telephones			Country
Stations	Pieces of mail (thousands)	Wire mileage: Total	Wire mileage: Per 10,000 inhabitants	Messages (thousands)	Wire mileage: Total	Wire mileage: Per 10,000 inhabitants	Instruments	
299,218	64,987,392	6,259,198	38.7	872,962	73,637,067	455.7	25,813,087	**Total.**
248,308	40,629,270	4,313,255	28.7	677,962	29,570,852	196.9	9,740,329	**Total excl. U. S.**
								North America.
50,910	[1]24,358,122	1,945,943	171.1	195,000	44,066,215	3,874.7	16,072,758	United States.
164	----------	[3]762	138.5	--------	--------	--------	--------	Alaska.
93	--------	--------	--------	--------	[3]56,754	1,848.7	18,347	Hawaii.
[3]12,376	1,380,110	316,113	342.6	15,461	2,793,596	3,027.6	1,072,454	Canada.
864	[1]4,847	5,200	197.7	--------	2,000	76.0	----------	Newfoundland.
[6]2,684	[6]190,672	79,287	55.7	5,704	180,083	126.5	50,980	Mexico.
1,370	40,568	21,967	35.6	5,568	34,661	56.2	18,018	Central America.
[6]34	----------	350	77.8	[6]10	750	166.7	320	Brit. Honduras.
299	5,585	2,125	42.7	[6]561	2,560	51.4	1,801	Costa Rica.
358	20,156	4,817	22.0	[6]1,591	3,768	17.2	2,111	Guatemala.
253	4,137	4,635	71.3	[6]1,305	3,529	54.3	1,937	Honduras.
124	----------	3,063	44.4	[6]465	1,600	23.2	2,000	Nicaragua.
96	----------	4,112	92.2	[6]158	19,880	445.7	6,814	Panama.
206	10,690	2,865	17.4	[6]1,478	2,574	15.6	3,035	Salvador.
762	68,723	7,783	23.1	[6]2,714	163,538	485.4	53,393	Cuba.
[6]88	5,161	311	3.5	[7]139	2,659	29.6	1,546	Dominican Republic.
[6]92	755	950	4.6	[7]124	2,775	13.6	643	Haiti.
[1]92	----------	1,061	7.7	241	24,135	174.4	12,114	Porto Rico.
								South America.
[3]934	----------	14,413	21.3	[3]4,598	18,304	27.1	14,923	Colombia.
379	18,928	6,726	26.3	1,189	27,943	109.1	11,047	Venezuela.
3,968	1,726,788	68,032	69.1	21,786	540,538	549.4	173,605	Argentina.
4,181	[6]877,568	54,595	16.2	7,198	259,455	76.9	98,564	Brazil.
[6]385	[5]4,119	1,841	18.4	[7]86	138	1.4	461	Paraguay.
1,216	133,472	6,404	39.2	625	44,434	272.3	25,241	Uruguay.
[6]359	[8]5,147	6,957	24.7	[7]1,252	3,539	12.5	1,824	Bolivia.
979	117,496	38,090	97.5	6,545	49,665	127.2	30,895	Chile.
[6]217	----------	4,321	21.6	[5]548	5,083	25.4	4,518	Ecuador.
910	32,256	10,410	17.4	1,206	32,852	54.8	9,532	Peru.
								Europe:
3,724	666,324	54,021	89.5	3,873	467,749	774.9	418,318	Sweden.
3,969	326,064	20,454	74.9	4,077	289,505	1,059.7	168,518	Norway.
[5]1,382	467,006	9,149	27.0	2,396	743,137	2,194.7	307,977	Denmark.
21,380	[1]5,780,000	[3]312,356	69.3	62,178	[3]4,966,746	1,102.2	1,264,024	United Kingdom.
--------	----------	[3]22,800	72.1	3,803	[3]55,545	175.7	21,641	Irish Free State.
[3]1,680	1,042,418	27,711	35.8	5,677	519,821	671.3	136,944	Belgium.
15,698	5,327,494	474,251	121.0	60,831	1,963,890	500.9	660,127	France.
1,560	874,551	32,672	44.8	5,705	417,669	572.3	202,868	Netherlands.
2,702	634,980	47,507	72.7	3,861	373,193	571.0	145,141	Austria.
4,558	924,518	44,541	31.7	3,304	204,090	145.2	115,738	Czechoslovakia.
1,791	408,000	50,100	60.5	4,698	226,839	274.1	78,612	Hungary.
[6]32,623	5,416,444	531,960	85.1	36,627	7,417,263	1,187.2	2,385,177	Germany.
4,010	795,100	24,152	61.6	3,168	482,378	1,231.2	189,429	Switzerland.
125	42,107	5,894	49.1	397	29,269	243.9	9,805	Esthonia.
2,713	199,593	10,246	29.3	3,663	98,183	280.5	83,000	Finland.
330	38,330	[3]5,642	30.6	2,566	[3]82,117	445.1	[3]15,557	Latvia.
389	49,840	[10]19,578	88.9	1,149	[10]19,578	88.9	4,420	Lithuania.
3,739	[6]673,060	115,000	40.4	[6]31,003	415,635	145.9	119,985	Poland.
5,929	[1]901,301	374,989	27.0	139,655	396,718	28.6	106,076	Russia.
[3]11,000	1,829,275	[3]242,104	61.0	25,793	550,000	138.7	172,900	Italy.
[5]7,922	[5]62,930	15,141	25.1	7,703	65,158	108.0	19,756	Portugal.
[6]11,412	[6]714,110	82,721	38.0	14,608	210,000	96.5	105,213	Spain.
[6]4,904	[6]325,196	24,221	48.1	[6]3,735	30,528	60.6	8,097	Bulgaria.
1,112	52,143	25,863	39.8	[3]5,105	6,200	9.5	5,450	Greece.
[6]6,626	[6]340,189	48,417	28.9	9,335	80,039	47.8	34,580	Rumania.
3,537	168,336	35,700	28.6	--------	63,300	50.7	27,500	Yugoslavia.

No. 765.—Area, Population, and Transportation and Communication

Country	Area (square miles)	Population (thousands)	Density per square mile	Railways: Mileage: Total	Railways: Mileage: Per 10,000 inhabitants	Railways: Mileage: Per 1,000 square miles	Railways: Freight (thousands of metric tons)
Asia:							
British India	1,094,300	[5] 247,003	[5] 225.7	[3] 38,270	1.5	35.0	79,045
Ceylon	25,332	4,862	191.9	743	1.5	29.3	1,324
Dutch East Indies	733,648	[2] 49,351	67.3	4,412	.9	6.0	13,031
French Indo-China	275,247	21,973	79.8	1,289	.6	4.7	1,001
Philippine Islands	114,400	11,142	97.4	792	.7	6.9	1,317
Siam	200,148	9,618	48.1	1,486	1.5	7.4	976
China	4,278,000	436,000	101.9	[3] 7,770	.2	1.8	[6] 41,817
Japan	149,792	59,139	394.8	[3] 10,414	1.8	69.5	87,828
Chosen	85,227	18,678	219.2	[3] 1,300	.7	15.3	3,794
Federated Malay States	27,623	1,325	48.0	1,072	8.1	38.8	1,861
Oceania:							
Australia	2,974,581	5,874	2.0	[3] 24,618	41.9	8.3	38,439
New Zealand	103,862	1,370	13.2	[3] 3,085	22.5	29.7	7,146
Africa:							
Algeria	222,157	[5] 5,806	26.1	2,840	4.9	12.8	----------
Tunisia	48,313	[5] 2,094	43.3	1,287	6.1	26.6	[6] 3,629
Morocco (French)	231,660	4,411	19.0	905	2.1	3.9	----------
Egypt	386,000	13,886	36.0	2,761	2.0	7.2	4,932
Union of South Africa	472,347	7,294	15.4	[3] 12,094	16.6	25.6	17,047

[1] 1923–24. [2] 1920. [3] 1925. [4] Track mileage. [5] 1921.

Sources: Official reports of the governments, American Telephone & Telegraph Co., International Bureau of Telegraph Union, and International Bureau of Postal Service.

No. 766.—FOREIGN TRADE AND VESSEL CLEARANCES

[Note.—Foreign currencies for 1913 have been converted at par, those for 1924 at average exchange rate basis. Figures show special trade (that is, imports for consumption and exports of domestic merchan as reported in the statistics of the given foreign country; owing to indirect trade these figures often differ available and these are printed in italics, no percentages being computed. Per capita figures are based general note, p. 403.) Entrances are not shown as they are approximately the same as clearances. tire world. Changes in boundaries affect the comparability of 1913 with 1924 data for several countries]

Country	Exports: 1913	Exports: 1924: Amount	Exports: 1924: Per capita	Imports: 1913	Imports: 1924: Amount	Imports: 1924: Per capita
	1,000 dollars	*1,000 dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*Dollars*
Total, countries specified	19,234,586	26,238,865	16.24	20,809,296	27,683,023	17.13
Total, excluding United States	16,786,302	21,741,216	14.49	19,052,433	24,107,904	16.07
North America:						
United States (including Alaska, Hawaii, and Porto Rico).	2,448,284	4,497,649	38.95	[1] 1,756,863	3,575,119	30.96
Canada	436,218	1,044,644	113.22	659,065	797,899	86.47
Mexico	130,099	238,938	16.79	93,111	155,084	10.89
Central America: [3,4]	53,704	92,623	15.03	50,185	81,888	13.28
British Honduras	3,126	3,338	74.18	3,085	3,894	86.53
Costa Rica	10,322	16,565	33.26	8,685	12,003	24.10
Guatemala	14,450	24,457	11.19	10,062	18,271	8.36
Honduras	3,300	7,897	12.15	5,133	11,138	17.14
Nicaragua	7,712	12,990	18.83	5,770	8,807	12.76
Panama	5,383	3,008	6.74	11,352	13,769	30.87
Salvador	9,411	24,368	14.77	6,098	14,006	8.49
Cuba	164,611	434,865	129.08	140,133	289,831	86.03
Dominican Republic	10,470	30,263	33.74	9,272	21,581	24.06
Haiti [5]	11,316	14,176	6.93	8,100	14,696	7.19

For footnotes see p. 816.

FACILITIES OF THE PRINCIPAL COUNTRIES OF THE WORLD—Continued

Postal service		Telegraphs			Telephones			Country
Stations	Pieces of mail (thousands)	Wire mileage		Messages (thousands)	Wire mileage		Instruments	
		Total	Per 10,000 inhabitants		Total	Per 10,000 inhabitants		
								Asia:
19,491	[1] 1,209,327	[3] 352,994	14.3	19,050	[3] 293,340	11.9	[3] 41,240	British India.
625	68,019	7,426	15.3	1,727	23,057	47.4	3,000	Ceylon.
542	79,144	19,581	4.0	1,997	189,909	38.5	39,269	Dutch East Indies.
224	28,148	[6] 24,285	11.1	2,317	1,838	.8	----------	French Indo-China.
914	1,393	6,727	6.0	1,168	29,768	26.7	14,041	Philippine Islands.
[6] 365	[6] 8,051	[6] 6,465	6.7	[6] 329	[8] 861,075	895.3	1,569	Siam.
11,790	522,352	84,064	1.9	6,089	166,373	3.8	112,070	China.
8,546	[1] 3,759,548	[3] 163,075	27.6	70,284	[3] 1,537,614	260.0	[3] 544,433	Japan.
[3] 652	367,628	[3] 20,467	11.0	9,617	[3] 58,336	31.2	----------	Chosen.
145	25,128	3,290	24.8	744	13,520	102.0	2,436	Fed. Malay States.
								Oceania:
8,767	[1] 869,540	168,879	237.5	17,267	1,266,825	2,156.7	318,279	Australia.
2,035	426,908	[3] 56,415	411.8	15,472	[3] 331,453	2,419.4	[3] 120,097	New Zealand.
								Africa:
[6] 6,725	57,576	[6] 25,911	44.6	----------	[6] 17,100	29.5	13,414	Algeria.
[6] 497	101,910	6,638	31.7	[6] 1,013	[6] 10,297	49.2	14,878	Tunisia.
[6] 145	35,210	[6] 1,734	3.9	[6] 842	[6] 4,900	11.1	5,369	Morocco (French).
3,030	[1] 123,542	25,659	18.5	4,699	117,862	84.9	33,808	Egypt.
2,887	[1] 279,927	37,232	51.0	5,453	[3] 230,883	316.5	[3] 71,448	Union of S. Africa.

[6] 1923.
[7] 1922.
[8] 1922–23.
[9] Guayaquil & Quito Railway.
[10] Telegraph and telephone mileage combined.

OF THE PRINCIPAL COUNTRIES OF THE WORLD

with the exception of Austria, Germany, Hungary, Poland, and Russia which report their trade on a gold dise) in merchandise, exclusive of bullion and coin except as noted. Trade with United States is shown materially from those reported by the United States itself; in some cases only United States returns are on population shown in Table 765. Tonnage of vessel clearances is shown in net tons (For definition see Periods covered are calendar years except as noted. Totals are for countries specified and not for the en-

Trade with United States, 1924				Clearances (foreign trade)		Conversion rate, 1924	Country
Exports		Imports		1924			
Amount	Per cent of total	Amount	Per cent of total	Vessels	Net tonnage		
1,000 dollars		*1,000 dollars*		*Number*	*Thousands*	*Cents*	
3,095,581	14.2	4,655,375	19.3	574,865 533,265	631,777 562,867	----------	**Total, countries specified.** **Total, excluding United States.**
							North America:
----------	----------	----------	----------	41,100	68,910	100	United States (including Alaska, Hawaii, and Porto Rico).
408,670	39.1	518,036	64.9	[2] 20,420	[2] 20,511	98.7322	Canada.
183,460	76.8	112,332	72.4	11,174	23,330	48.5143	Mexico.
46,282	50.3	51,624	63.0	----------	----------	----------	**Central America.**[3,4]
2,642	79.1	1,935	49.7	[illegible]	[illegible]	[illegible]	British Honduras.
7,938	47.9	6,807	56.7	489	1,034	100	Costa Rica.
12,329	50.4	9,199	50.3	[6] 1,002	[6] 1,349	100	Guatemala.
7,186	91.0	9,784	87.8	----------	----------	100	Honduras.
7,442	57.3	6,425	71.8	509	714	100	Nicaragua.
2,412	80.2	8,976	65.2	[7] 1,048	[7] 1,052	100	Panama.
6,333	25.2	8,498	60.7	576	1,118	50	Salvador.
362,407	83.3	194,197	67.0	7,664	14,480	100	Cuba.
10,071	33.3	15,865	73.5	1,251	1,263	100	Dominican Republic.
1,338	9.4	11,821	80.4	[7] 689	[7] 778	100	Haiti.[4]

No. 766.—Foreign Trade and Vessel Clearances

Country	Exports			Imports		
	1913	1924		1913	1924	
		Amount	Per capita		Amount	Per capita
South America:	*1,000 dollars*	*1,000 dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*Dollars*
Colombia [4]	33,399	69,490	10.28	27,774	71,513	7.62
Venezuela [11]	29,384	41,027	16.01	18,030	41,496	16.20
Argentina [11]	500,986	790,210	80.31	478,859	647,478	65.81
Brazil [11]	318,518	422,684	12.53	326,865	305,181	9.05
Paraguay [14]	5,434	9,720	9.72	7,836	9,661	9.66
Uruguay [11]	70,839	87,894	53.86	52,075	66,554	40.78
Bolivia	36,488	34,184	12.12	21,320	18,568	6.58
Chile [4]	142,797	199,252	51.02	120,270	120,340	30.82
Ecuador	15,810	12,396	6.20	8,849	10,521	5.26
Peru [4]	44,469	102,842	17.14	29,631	73,829	12.30
Europe:						
Sweden	219,049	334,434	55.41	226,872	377,808	62.59
Norway [15]	102,084	145,192	53.14	148,022	214,219	78.41
Denmark [15]	170,812	330,453	97.59	229,234	395,712	116.87
United Kingdom [1]	2,556,106	3,537,922	78.51	3,207,801	5,024,273	111.50
Irish Free State	----------	222,093	70.26	----------	304,293	96.26
Belgium	701,475	644,600	83.24	894,865	815,802	105.35
France	1,327,882	2,218,775	56.59	1,625,317	2,103,245	53.64
Netherlands [16]	1,232,138	634,552	86.95	1,568,571	903,127	123.75
Austria	811,907	276,489	42.30	875,839	485,067	74.21
Czechoslovakia [4]	----------	503,259	35.82	----------	468,380	33.33
Hungary	385,908	116,497	14.08	420,463	142,388	17.21
Germany	2,405,164	1,559,844	24.97	2,565,339	2,169,716	34.73
Switzerland	264,695	363,934	92.89	358,892	452,654	115.53
Esthonia	----------	20,207	16.84	----------	21,077	17.56
Finland	77,543	122,370	34.96	95,619	118,245	33.78
Latvia [4]	----------	34,659	18.79	----------	49,390	26.77
Lithuania	----------	26,658	12.10	----------	20,653	9.37
Poland	----------	244,312	8.58	----------	285,376	10.02
Russia [18]	782,261	247,368	1.78	707,078	199,716	1.44
Italy	484,746	626,283	15.79	703,608	844,566	21.30
Portugal	38,127	31,310	5.19	96,141	95,872	15.89
Spain	190,374	233,119	10.71	234,909	338,266	15.54
Bulgaria [20]	18,013	35,693	7.09	36,535	40,463	8.04
Greece	22,967	58,658	9.02	34,341	144,163	22.18
Rumania	129,446	138,617	8.28	113,872	130,491	7.79
Yugoslavia	[23] 22,565	122,268	9.79	[23] 22,277	105,386	8.44
Asia:						
British India [15,24]	782,254	1,172,959	4.75	584,465	774,755	3.14
Ceylon	72,750	116,783	24.02	60,192	94,069	19.35
Dutch East Indies	246,910	584,858	11.85	175,547	259,173	5.25
French Indo-China	55,094	92,772	4.22	45,318	72,725	3.31
Philippine Islands	47,773	135,345	12.15	53,313	108,011	9.69
Siam [25]	42,852	65,696	6.83	29,758	63,239	6.58
China [15]	294,010	687,582	1.58	427,406	925,736	2.12
Japan [5]	315,281	744,240	12.58	363,622	1,010,451	17.09
Chosen	15,393	135,517	7.26	35,683	127,508	6.83
Malay Fed. States	82,252	105,992	79.99	47,779	49,453	37.32
Oceania:						
Australia [15]	350,967	[7] 494,729	84.22	380,541	[7] 618,933	105.37
New Zealand [15]	102,266	226,581	165.39	105,372	214,344	156.46
Africa:						
Algeria	96,726	115,518	19.90	128,790	166,964	28.76
Tunisia	34,482	30,493	14.56	27,841	48,595	23.21
Egypt [11,15]	156,509	297,794	21.45	137,740	229,853	16.55
Morocco [2]	8,968	30,419	6.90	44,625	42,389	9.61
Union of South Africa [15]	133,914	156,541	21.46	187,471	263,350	36.11

[1] Imports are total imports less reexports.
[2] Fiscal year 1924–25.
[3] General trade.
[4] Trade figures include bullion and coin.
[5] Entrances, steamers only.
[6] 1923.
[7] Fiscal year 1923–24.
[8] Trade figures are for year ended Sept. 30.
[9] No data.
[10] 1922.
[11] Trade figures include bullion but not coin.
[12] Entrances and clearances; imports except Bahia Blanca.
[13] Includes coastwise trade.
[14] Values are official values.
[15] General imports; domestic exports.
[16] Trade figures do not include value of diamonds.
[17] Free city of Danzig.

Source: Compiled from official reports of governments.

OF THE PRINCIPAL COUNTRIES OF THE WORLD—Continued

Trade with United States, 1924				Clearances (foreign trade)		Conversion rate, 1924	Country
Exports		Imports		1924			
Amount	Percent of total	Amount	Percent of total	Vessels	Net tonnage		
1,000 dollars		*1,000 dollars*		*Number*	*Thousands*	*Cents*	
							South America:
56,190	80.9	25,777	50.0	(9)	[10] 1,219	98.4054	Colombia.[4]
6,303	15.4	22,984	55.4	2,741	2,188	19.2176	Venezuela.[11]
56,129	7.1	142,723	22.0	[12] 2,949	[12] 10,011	78.1308	Argentina.[11]
181,222	41.4	73,810	24.2	[13] 28,149	[13] 32,605	10.9403	Brazil.[11]
1,133	11.7	1,327	13.7	--------	--------	78.1308	Paraguay.[14]
5,844	6.6	15,954	24.0	11,345	12,826	82.2695	Uruguay.[11]
7,574	22.2	5,292	28.5	--------	--------	29.6760	Bolivia.
35,581	43.0	28,279	23.5	[6] 2,435	[6] 6,918	33.1280	Chile.[4]
3,843	31.0	4,240	40.3	580	1,100	20.2318	Ecuador.
34,390	33.4	28,857	39.1	11,115	14,079	409.4934	Peru.[4]
							Europe:
40,530	12.1	60,281	16.0	26,622	12,330	26.5223	Sweden.
18,441	12.7	29,369	13.7	8,663	5,907	13.9403	Norway.[15]
4,623	1.4	49,088	12.4	32,598	9,070	16.7228	Denmark.[15]
238,494	6.7	983,438	19.6	83,673	88,780	441.7064	United Kingdom.[1]
1,065	.5	16,381	5.4	14,343	8,162	441.7064	Irish Free State.
50,604	9.0	90,795	11.1	14,399	22,343	4.6438	Belgium.
165,017	8.0	292,523	13.9	20,676	32,644	5.2368	France.
22,222	3.5	103,409	11.5	18,927	23,728	38.2109	Netherlands.[16]
5,719	2.1	27,018	5.6	--------	--------	14.07	Austria.
21,242	4.2	26,276	5.6	--------	--------	2.9542	Czechoslovakia.[4]
615	.5	3,593	2.5	--------	--------	20.26	Hungary.
117,033	7.5	406,635	18.7	46,901	30,635	23.82	Germany.
32,929	9.0	37,661	8.3	--------	--------	18.2228	Switzerland.
75	.4	2,644	12.5	1,402	578	.2569	Esthonia.
7,541	6.2	15,775	13.3	7,367	3,473	2.5076	Finland.
738	2.3	2,004	4.1	3,900	1,488	19.3	Latvia.[4]
812	3.0	988	4.8	707	266	10	Lithuania.
1,378	.6	35,502	12.4	[17] 3,330	[17] 1,648	19.3	Poland.
4,389	1.8	49,729	24.9	--------	--------	51.46	Russia.[18]
53,682	8.6	202,555	24.0	14,144	15,951	4.358	Italy.
3,041	--------	*8,085*	--------	[19] 2,446	[19] 4,866	3.385	Portugal.
23,541	10.1	56,822	16.8	16,883	19,644	13.3375	Spain.
648	1.8	501	1.2	[21] 4,000	[21] 1,494	.7281	Bulgaria.[20]
10,634	18.1	19,887	13.8	--------	4,908	1.79	Greece.
99	--------	*1,192*	--------	--------	[22] 1,382	.4982	Rumania.
649	.5	4,113	3.9	--------	--------	1.2818	Yugoslavia.
							Asia:
102,635	8.8	44,979	5.8	3,803	8,590	31.1103	British India.[15,24]
21,820	18.7	2,781	3.0	2,584	9,156	31.1103	Ceylon.
55,582	9.5	17,118	6.6	15,284	7,623	38.2109	Dutch East Indies.
2,007	2.2	2,159	3.0	2,856	3,377	5.2368	French Indo-China.
97,695	72.2	61,332	56.8	1,020	3,616	50	Philippine Islands.
682	1.0	1,700	2.7	952	1,005	41.6936	Siam.[25]
89,762	13.1	170,124	18.4	32,661	22,642	89.09	China.[15]
309,073	41.5	276,418	27.4	14,996	43,290	41.1857	Japan.[3]
52	(26)	4,715	3.7	--------	817	41.1857	Chosen.
10,812	10.2	468	.9	9,971	4,995	51.2523	Malay Fed. States.[15]
							Oceania:
29,147	5.9	[7] 152,168	24.6	[7] 1,576	[7] 5,012	440.3448	Australia.[15]
14,043	6.2	34,415	16.1	705	2,227	441.7064	New Zealand.[15]
							Africa:
1,481	1.3	5,636	3.4	4,545	6,894	5.2368	Algeria.
376	1.2	1,832	3.8	[6] 9,537	[6] 3,518	5.2368	Tunisia.
32,101	10.8	8,148	3.5	3,037	5,988	453.0322	Egypt.[11,15]
465	--------	*1,570*	--------	3,000	2,621	5.2368	Morocco.[27]
5,368	3.4	38,806	14.7	1,240	4,738	441.7064	Union of South Africa.[15]

[18] For 1913, trade of European and Asiatic Russia; for 1924, trade over European frontiers for year ending Sept. 30.
[19] Entrances at Lisbon in 1923.
[20] Trade figures include bullion and foreign coin.
[21] Black Sea ports.
[22] Danube River ports.
[23] Trade of Servia for 1911.
[24] Sea-borne trade, excluding the trade over land borders; Government stores not included.
[25] Years ending Mar. 31, 1914 and 1925.
[26] Less than one-tenth of 1 per cent.
[27] Trade figures for 1924 do not include Spanish zone.

No. 767.—DISTANCES FROM NEW YORK, NEW ORLEANS, SAN FRANCISCO, AND SEATTLE TO THE PRINCIPAL PORTS OF THE WORLD AND THE PRINCIPAL CITIES OF THE UNITED STATES

[NOTE.—Water routes in nautical miles; land routes in statute miles]

PORTS [1]

Port and route	New York	New Orleans	San Francisco	Seattle
Aden:				
Via Suez Canal	6,532	7,870		
Via Cape of Good Hope	10,985	11,408		
Via Suez Canal and New York			[2] 9,723	[2] 9,693
Via Cape of Good Hope and New York			[2] 14,176	[2] 14,146
Via Suez and Tehuantepec			9,500	10,338
Via Suez and Panama			10,800	11,638
Via Suez and Magellan Strait			15,900	16,738
Via Singapore			11,500	11,338
Via Singapore and Seattle	[2] 14,499	[2] 14,279		
Via Singapore and San Francisco	[2] 14,691	[2] 13,982		
Antwerp	3,325	4,853		
Via New York			[2] 6,516	[2] 6,486
Via Tehuantepec			7,554	8,367
Via Panama			8,264	9,077
Via Magellan Strait			13,671	14,484
Batavia (Java)			7,800	7,638
Via Tehuantepec	12,323	11,075		
Via Panama	13,167	12,566		
Via Suez Canal	10,182	11,598		
Via Cape of Good Hope	11,855	12,278		
Bombay:				
Via Suez Canal	8,120	9,536		
Via Cape of Good Hope	11,250	11,848		
Via Suez and New York			[2] 11,311	[2] 11,281
Via Cape of Good Hope and New York			[2] 14,441	[2] 14,411
Via Suez and Tehuantepec			12,110	12,923
Via Suez and Panama			12,512	13,325
Via Cape of Good Hope and Tehuantepec			15,108	15,838
Via Cape of Good Hope and Panama			14,500	15,308
Via Magellan Strait			15,064	15,877
Via Singapore			9,780	9,618
Via Singapore and Seattle	[2] 12,771	[2] 12,559		
Via Singapore and San Francisco	[2] 12,971	[2] 12,262		
Via Singapore and Tehuantepec	13,993	12,745		
Via Singapore and Panama	14,837	14,236		

Port and route	New York	New Orleans	San Francisco	Seattle
Habana	1,227	597		
Via New Orleans			[2] 3,079	[2] 3,968
Via Tehuantepec			3,219	4,030
Via Panama			4,337	5,150
Hamburg	3,652	5,243		
Via New York			[2] 6,843	[2] 6,813
Havre	3,169	4,760		
Via New York			[2] 6,360	[2] 6,330
Hongkong			6,086	5,924
Via Seattle	[2] 9,085	[2] 8,865		
Via San Francisco	[2] 9,277	[2] 8,568		
Via Tehuantepec	10,572	9,317		
Via Panama	11,431	10,830		
Via Suez	11,610	12,892		
Via Cape of Good Hope	13,590	13,863		
Via Magellan Strait	16,868	17,318		
Honolulu			2,097	2,408
Via San Francisco	[2] 5,288	[2] 4,579		
Via Seattle	[2] 5,569	[2] 5,349		
Via Panama	6,686	6,085		
Via Tehuantepec	5,806	4,582		
Via Magellan Strait	13,269	13,719		
Kingston, Jamaica	1,473	1,165		
Kongo River, mouth of	5,662	6,580		
Via New Orleans			[2] 9,062	[2] 9,521
Via New York			[2] 8,853	[2] 8,821
Liverpool	3,053	4,553		
Via New York			[2] 6,244	[2] 6,212
Via Tehuantepec			7,169	7,982
Via Panama			8,038	8,851
Via Magellan Strait			13,503	14,316
London	3,233	4,507		
Via New York			[2] 6,424	[2] 6,394
Via Tehuantepec			7,349	8,162
Via Panama			8,218	9,031
Via Magellan Strait			13,683	14,496

Bermuda	676	1,648		
Via New York			[2] 3,867	[2] 3,837
Brest, France	2,954	4,458		
Via New York			[2] 6,145	[2] 6,192
Via Tehuantepec			7,154	7,967
Via Panama			7,840	8,657
Via Magellan Strait			13,209	14,022
Buenos Aires	5,868	6,318		
Via Magellan Strait			7,511	8,324
Via New York			[2] 9,059	[2] 9,029
Calcutta:				
Via Suez	9,830	11,239		
Via Cape of Good Hope	12,180	12,838		
Via Suez and New York			[2] 13,021	[2] 12,991
Via Cape of Good Hope and New York			[2] 15,371	[2] 15,341
Via Singapore			8,990	8,934
Via Singapore and San Francisco	[2] 12,181	[2] 11,462		
Via Singapore and Tehuantepec	13,405	12,181		
Via Singapore and Panama	14,230	13,694		
Callao:				
Via Tehuantepec	4,246	2,991		
Via Panama	3,392	2,764		
Via Magellan Strait	9,603	10,142		
Direct			4,012	4,807
Cape Town:				
Direct	6,815	7,374		
Via New York			[2] 10,006	[2] 9,976
Via Tehuantepec			9,700	10,513
Via Panama			9,898	10,714
Via Magellan Strait			10,454	11,267
Colombo:				
Via Suez Canal	8,610	10,146		
Via Cape of Good Hope	11,130	11,684		
Via Suez and New York			[2] 11,801	[2] 11,771
Via Cape of Good Hope and New York			[2] 14,321	[2] 14,291
Via Singapore			8,900	8,738
Colon (eastern end of Panama Canal) [3]	1,981	1,380		
Via Canal and Panama			3,324	4,128
Copenhagen:				
Direct	3,852	5,443		
Via New York			[2] 7,043	[2] 7,013
Gibraltar	3,207	4,576		
Via New York			[2] 6,398	[2] 6,368
Via Tehuantepec			7,240	8,053
Via Panama			7,642	8,455
Via Magellan Strait			12,734	13,547
Guam			5,054	4,946
Via San Francisco	[2] 8,245	[2] 7,536		
Via Seattle	[2] 8,107	[2] 7,887		

Manila.				
Via Honolulu and San Bernardino Strait			6,943	7,251
Via Yokohama			6,289	6,031
Via Yokohama and San Francisco	[2] 9,480	[2] 8,771		
Via Yokohama and Seattle	[2] 9,192	[2] 8,972		
Via Tehuantepec	10,735	9,480		
Via Panama	11,546	10,993		
Via Suez	11,556	12,946		
Via Cape of Good Hope	13,536	13,986		
Via Suez and New York			[2] 14,747	[2] 14,717
Via Cape of Good Hope and New York			[2] 16,727	[2] 16,697
Via Magellan Strait	16,736	17,145		
Marseille	3,876	5,266		
Via New York			[2] 7,067	[2] 7,035
Via Tehuantepec			7,930	8,743
Via Panama			8,332	9,145
Via Magellan Strait			13,324	14,137
Melbourne			7,040	7,349
Via San Francisco	[2] 10,231	[2] 9,522		
Via Panama	10,028	9,427		
Via Tehuantepec	9,852	8,604		
Via Magellan Strait	12,880	13,143		
Via Suez Canal	12,981	14,303		
Via Cape of Good Hope	12,670	12,933		
Mexico City	[2] 2,399 [4] 2,898	[2] 1,172 [4] 1,526	[2] 2,142 [4] 2,512	[2] 2,879 [4] 3,301
Naples	4,172	5,562		
Via New York			[2] 7,363	[2] 7,321
New Orleans	1,741 [4] 1,372		[4] 2,482	[4] 2,931
Via Tehuantepec			3,191	4,004
Via Panama			4,704	5,517
New York		1,741 [4] 1,372	[4] 3,191	[4] 3,151
Via Tehuantepec			4,415	5,228
Via Panama			5,305	6,118
Nome, Alaska			2,705	2,394
Via San Francisco	[2] 5,896	[2] 5,187		
Via Seattle	[2] 5,555	[2] 5,335		
Via Tehuantepec	7,130	5,902		
Via Panama	8,010	7,410		
Via Magellan Strait	15,840	16,249		
Odessa, via Gibraltar	5,370	6,760		
Panama (western end of Panama Canal) [3]			3,277	4,090
Via canal and Colon	2,028	1,427		
Pernambuco, Brazil	3,696	3,969		
Via New York			[2] 6,887	[2] 6,857
Via New Orleans			[2] 6,451	[2] 6,910
Via Tehuantepec			6,591	7,404

Distances given are by water except as otherwise stated. [2] By land and water. [3] Distance by canal from Colon to Panama, 47 miles. [4] By land.

No. 767.—Distances from New York, New Orleans, San Francisco, and Seattle to the Principal Ports of the World and the Principal Cities of the United States—Continued

PORTS—Continued

Port and route	New York	New Orleans	San Francisco	Seattle
Pernambuco, Brazil:				
Via Panama			6,530	7,343
Via Magellan Strait			9,439	10,252
Petrograd:				
Direct	4,632	6,223		
Via New York			[2] 7,823	[2] 7,791
Port Said, Egypt	5,122	6,509		
Via New York			[2] 8,321	[2] 8,289
Via Tehuantepec			9,160	9,973
Via Panama			9,562	10.375
Punta Arenas (Magellan Strait)	6,890	7,340	6,199	6,996
Rio de Janeiro	4,778	5,218		
Via New York			[2] 7,969	[2] 7,939
Via New Orleans			[2] 7,700	[2] 8,159
Via Tehuantepec			7,730	8,543
Via Panama			7,678	8,491
Via Magellan Strait			8,339	9,152
San Francisco	[4] 3,191	[4] 2,482		813
Via Tehuantepec	4,415	3,191		
Via Panama	5,305	4,704		
San Juan, P. R.	1,428	1,539		
Via New York			[2] 4,619	[2] 4,589
Via New Orleans			[2] 4,021	[2] 4,480
Via Tehuantepec			4,182	4,995
Via Panama			4,345	5,158
Via Magellan Strait			12,199	13,012
Seattle	[4] 3,151	[4] 2,931	813	
Via Tehuantepec	5,228	4,004		
Via Panama	6,118	5,517		
Shanghai			5,550	5,328
Via San Francisco	[2] 8,741	[2] 8,032		
Via Seattle	[2] 8,489	[2] 8,269		
Via Tehuantepec	9,965	8,741		
Via Panama	10,855	10,254		
Via Suez	12,360	13,750		
Via Cape of Good Hope	14,593	14,806		

Port and route	New York	New Orleans	San Francisco	Seattle
Sitka, Alaska			1,302	770
Via San Francisco	[2] 4,493	[2] 3,784		
Via Seattle	[2] 3,931	[2] 3,711		
Via Tehuantepec	5,748	4,493		
Via Panama	6,607	6,006		
Via Magellan Strait	14,391	14,841		
Tehuantepec:				
Western end of railroad [5]			2,189	3,002
Eastern end of railroad [5]	2,036	812		
Tutuila			4,150	4,645
Via San Francisco	[2] 7,341	[2] 6,632		
Valparaiso			5,140	5,940
Via San Francisco	8,331	7,622		
Via Tehuantepec	5,480	4,256		
Via Panama	4,637	4,035		
Via Magellan Strait	8,460	8,733		
Vladivostok			4,706	4,395
Via San Francisco	[2] 7,897	[2] 7,188		
Via Seattle	[2] 7,556	[2] 7,336		
Via San Francisco and Tehuantepec	9,122	8,874		
Via San Francisco and Panama	10,001	9,410		
Via Magellan Strait	17,036	17,445		
Wellington, New Zealand			5,909	6,453
Via San Francisco	[2] 9,100	[2] 8,391		
Via Tehuantepec	8,344	7,096		
Via Panama	8,540	7,939		
Via Magellan Strait	11,500	11,773		
Via Suez	14,230	15,620		
Via Cape of Good Hope	13,710	14,058		
Yokohama			4,536	4,278
Via Honolulu			5,500	5,808
Via San Francisco	[2] 7,727	[2] 7,018		
Via Seattle	[2] 7,439	[2] 7,219		
Via Honolulu and Tehuantepec	9,243	7,995		
Via San Francisco and Tehuantepec	8,986	7,762		

Singapore			7,502	7,244
Via San Francisco	[2] 10,693	[2] 9,984		
Via Port Townsend	[2] 10,405	[2] 10,185		
Via Suez	10,170	11,560		
Via Cape of Good Hope	12,355	12,914		
Via Yokohama and Panama	13,104	12,503		
Via Yokohama and Tehuantepec	12,209	10,961		

Yokohama—Continued.				
Via Honolulu and Panama	10,093	9,492		
Via San Francisco and Panama	9,869	9,268		
Via Magellan Strait	16,205	16,614		
Via Singapore and Suez	13,040	14,471		
Via Cape of Good Hope	15,020	15,443		

CITIES OF THE UNITED STATES [6]

City	New York	New Orleans	San Francisco	Seattle
Atlanta, Ga	876	496	2,810	2,943
Baltimore, Md	188	1,184	3,081	3,041
Bismarck, N. Dak	1,767	1,720	1,866	1,468
Boston, Mass	235	1,607	3,313	3,273
Buffalo, N. Y	442	1,275	2,804	2,764
Charleston, S. C	739	776	3,119	3,252
Chattanooga, Tenn	847	491	2,672	2,805
Chicago, Ill	912	912	2,279	2,239
Cincinnati, Ohio	757	829	2,577	2,537
Cleveland, Ohio	584	1,092	2,636	2,596
Columbus, Ohio	637	945	2,593	2,553
Dallas, Tex	1,769	515	1,932	2,416
Denver, Colo	1,930	1,357	1,376	1,574
Detroit, Mich	693	1,100	2,551	2,511
Duluth, Minn	1,391	1,391	2,243	1,806
El Paso, Tex	2,310	1,195	1,287	2,124
Galveston, Tex	1,782	410	2,157	2,718
Helena, Mont	2,452	2,152	1,255	783
Indianapolis, Ind	825	888	2,462	2,422
Jacksonville, Fla	983	616	3,098	3,307
Kansas City, Mo	1,342	880	1,986	2,055
Key West, Fla	1,454	1,087	3,569	3,778
Little Rock, Ark	1,290	487	2,291	2,538
Los Angeles, Calif	3,149	2,007	475	1,312
Louisville, Ky	871	778	2,473	2,543
Memphis, Tenn	1,157	396	2,439	2,539
Milwaukee, Wis	997	997	2,364	2,154

City	New York	New Orleans	San Francisco	Seattle
Minneapolis, Minn	1,332	1,285	2,101	1,818
Mobile, Ala	1,231	141	2,623	2,979
New Orleans, La	1,372		2,482	2,931
New York, N. Y		1,372	3,191	3,151
Norfolk, Va	347	1,093	3,247	3,205
Ogden, Utah	2,405	1,891	786	1,050
Oklahoma, Okla	1,608	752	1,994	2,324
Omaha, Nebr	1,405	1,080	1,786	1,913
Philadelphia, Pa	91	1,281	3,100	3,060
Pittsburgh, Pa	444	1,142	2,747	2,707
Port Townsend, Wash	3,199	2,979	1,005	48
Portland, Me	350	1,722	3,428	3,388
Portland, Oreg	3,204	2,746	722	185
Salt Lake City, Utah	2,442	1,928	823	1,087
San Antonio, Tex	1,943	571	1,911	2,697
San Diego, Calif	3,231	2,088	602	1,439
San Francisco, Calif	3,191	2,482		957
Santa Fe, N. Mex	2,211	1,351	1,286	1,851
Sault Ste. Marie, Mich	1,036	1,399	2,581	2,319
Savannah, Ga	845	661	3,104	3,237
Seattle, Wash	3,151	2,931	957	
Sioux City, Iowa	1,422	1,173	1,821	1,869
St. Paul, Minn	1,322	1,275	2,091	1,829
St. Louis, Mo	1,065	699	2,199	2,332
Toledo, Ohio	705	1,040	2,523	2,483
Washington, D. C	228	1,144	3,069	3,029

[2] By land and water. [4] By land. [5] Distance from Coatzacoalcos (eastern end of railroad) to Salina Cruz (western end of railroad), 190 miles.
[6] Distances given are by land.

Source: Water routes, Hydrographic Office, Navy Department; land routes, War Department.