Group 6.—RUBBER PRODUCTS

THE GROUP AS A WHOLE

[Preliminary reports for these industries were published as follows: Rubber tires and inner tubes, September 3, 1926; rubber boots and shoes, August 31, 1926; rubber goods, not elsewhere classified, November 3, 1926]

This group comprises three industries, namely, (1) rubber tires and inner tubes, (2) rubber boots and shoes, and (3) rubber goods, not elsewhere classified. These industries embrace all establishments using india rubber or gutta-percha as an important constituent in the manufacture of their products of chief value.

Changes in classification.—At censuses prior to that for 1921, all manufactures of rubber products other than boots and shoes, belting, and hose were classified under a single industry designation, "Rubber tires, tubes, and rubber goods, not elsewhere classified," but at the last three censuses the manufacture of rubber tires and inner tubes has been treated as a separate industry.

The manufacture of rubber belting and hose, heretofore classified separately, is now treated as a part of the "Rubber goods, not elsewhere classified" industry. This change was made because of the fact that considerable amounts of belting and hose are made as subsidiary products by establishments whose chief products are other classes of rubber goods, so that the total value of rubber belting and hose made as either primary or secondary products by establishments in the several industries in the rubber group is largely in excess of the total value of products reported by establishments engaged primarily in the manufacture of rubber belting and hose.

TABLE 1.—SUMMARY FOR GROUP 6, RUBBER PRODUCTS, 1914 TO 1925, AND THE SEPARATE INDUSTRIES, FOR THE UNITED STATES: 1925, 1923, AND 1921

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
The group as a whole:							
1925	498	141,121	$190,562,920	$718,840,524	[3] $1,255,414,112	$536,573,588	656,857
1923	529	137,868	182,084,056	501,162,768	[3] 958,517,634	457,354,866	605,034
1921	496	103,273	123,612,873	377,879,372	704,903,133	327,023,761	(4)
1919	477	158,549	193,763,089	594,343,590	1,138,216,019	543,872,429	[5] 429,273
1914	342	74,022	44,167,402	163,034,713	300,993,796	137,959,083	[5] 199,242
Per cent of increase or decrease (—): [6]							
1923–1925	—5.9	2.4	4.6	43.4	31.0	17.3	8.5
1921–1923	6.7	33.5	47.3	32.6	36.0	39.9	----------
1921–1925	.4	36.6	54.2	90.2	78.1	64.1	----------
1914–1925	45.6	90.6	331.4	340.9	317.1	288.9	229.7
Rubber tires and inner tubes:							
1925	126	81,640	120,614,081	559,939,811	925,001,520	365,061,709	403,227
1923	160	73,963	108,623,102	365,165,016	644,193,697	279,028,681	370,551
1921	178	55,496	75,054,148	291,554,377	496,123,335	204,568,958	(4)
Rubber boots and shoes:							
1925	23	24,999	28,057,948	40,566,085	115,934,554	75,368,469	59,413
1923	25	29,435	33,670,810	45,268,988	131,739,742	86,470,754	56,184
1921	24	23,888	23,428,115	32,132,942	94,032,524	61,899,582	(4)
Rubber goods, not elsewhere classified:							
1925	349	34,482	41,890,891	118,334,628	214,478,038	96,143,410	194,217
1923	344	34,470	39,790,144	90,728,764	182,584,195	91,855,431	178,899
1921	294	23,889	25,130,610	54,192,053	114,747,274	60,555,221	(4)

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] For detailed statistics of products, see Tables 4 and 5 under each industry.
[4] Not called for on schedule.
[5] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric.
[6] For percentages of increase or decrease for separate industries, see Table 1 for each industry.

TABLE 2.—CRUDE RUBBER CONSUMED AND STOCKS HELD BY ESTABLISHMENTS CLASSIFIED IN THE RUBBER-PRODUCTS GROUP: 1925

[Long tons]

	Total	Rubber tires and inner tubes	Rubber boots and shoes	Rubber goods, not elsewhere classified
Consumption in 1925, total	387,629	335,873	15,901	35,855
Plantation	358,167	318,870	13,741	25,556
Para	10,263	4,941	827	4,495
All other	19,199	12,062	1,333	5,804
Stocks on hand December 31, 1925, total	37,250	29,666	2,166	5,418
Plantation	31,633	26,725	1,745	3,163
Para	2,625	738	219	1,668
All other	2,992	2,203	202	587

RUBBER TIRES AND INNER TUBES

A preliminary report for this industry was issued under date of September 3, 1926]

Description of the industry.—This classification covers all establishments engaged primarily in the manufacture of pneumatic tires and inner tubes or solid rubber tires for any class of vehicles. Manufacturers of rubber tires and inner tubes were not separately classified at censuses prior to that for 1921. It is impossible, therefore, to present comparative figures for this industry for 1919 and 1914. (See "Changes in classification," p. 616.)

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1925, 1923, AND 1921

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	126	81,640	$120,614,081	$1,167	$559,939,811	$925,001,520	$365,061,709	403,227
1923	160	73,963	108,623,102	4,420	365,165,016	644,193,697	279,028,081	370,551
1921	178	55,496	75,054,148	54,296	291,554,377	496,123,335	204,568,958	(3)
	PER CENT OF INCREASE OR DECREASE (—)							
1923-1925	—21.2	10.4	11.0	—73.6	53.3	43.6	30.8	8.8
1921-1923	—10.1	33.3	44.7	—91.9	25.2	29.8	36.4	----------
1921-1925	—29.2	47.1	60.7	—97.9	92.0	86.4	78.5	----------

[1] Including also cost of fuel and electric power.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1925, 1923, AND 1921, AND FOR SELECTED STATES, 1925

[One State for which no figures are given in this table reported a larger number of wage earners than Pennsylvania, for which statistics are shown. See headnote, Table 7, p. 621]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	81,640	**75,807**	76,879	78,395	81,473	84,730	85,544
1923 [1]	73,963	77,797	82,702	86,337	86,645	85,573	80,275
1921 [1]	55,496	*38,092*	40,314	43,106	51,582	59,408	59,819
New Jersey	4,008	3,490	3,888	3,899	3,918	4,016	3,926
Ohio	50,350	46,267	46,826	47,659	49,531	51,770	52,705
Pennsylvania	3,055	2,784	2,925	3,156	3,334	3,238	3,072
Wisconsin	3,930	4,173	3,969	3,865	3,932	4,019	4,046

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	87,814	88,491	84,756	80,108	77,408	78,771
1923 [1]	70,618	64,480	61,111	*60,376*	64,723	66,916
1921 [1]	64,413	68,075	63,312	60,254	58,145	59,432
New Jersey	4,200	4,311	4,278	4,196	4,004	3,966
Ohio	54,003	54,681	53,013	50,256	47,813	49,676
Pennsylvania	3,230	3,303	3,222	3,077	2,731	2,589
Wisconsin	4,348	4,320	3,876	3,699	*3,595*	3,414

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 85.1; 1923, 69.7; 1921, 56.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925 AND 1923

TYPE	1925		1923	
	Number	Horsepower	Number	Horsepower
Prime movers, total	12,173	403,227	9,134	370,551
Steam engines	165	32,534	261	179,054
Steam turbines	78	131,040		
Internal-combustion engines	4	129	1	3
Water wheels and turbines	1	90	10	1,700
Electric motors driven by purchased current	11,925	238,834	8,853	189,794
Electric motors, total	21,637	399,714	16,514	326,516
Driven by purchased current	11,925	238,834	8,853	189,794
Driven by current generated in establishment reporting	9,712	160,880	7,661	136,722
		Kilowatts		*Kilowatts*
Electric generators	88	110,850	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1925 AND 1923

KIND	1925	1923	Per cent of increase or decrease (—)
Total value	[1] $927,411,911	(2)	
Rubber tires and inner tubes industry, all products, value	925,001,520	$644,193,697	43.6
Rubber tires and inner tubes, value	822,138,213	(2)	
All other products, value	102,863,307	(2)	
Rubber tires and inner tubes, secondary products of other rubber industries, value	2,410,391	(2)	
Rubber tires and inner tubes, value, all rubber industries	$824,548,604	$569,130,559	44.9
Pneumatic—			
Automobile and truck—			
Casings—			
Number	58,784,073	45,425,591	29.4
Value	$650,491,733	$458,107,709	43.3
Inner tubes—			
Number	77,387,836	57,229,225	35.2
Value	$118,234,658	$74,982,725	57.7
Motorcycle and bicycle—			
Casings—			
Number	2,080,773	3,668,114	—43.3
Value	$3,564,933	$5,016,050	—28.9
Inner tubes—			
Number	430,888	642,696	—33.0
Value	$396,394	$672,955	—41.1
Solid—			
Truck—			
Number	1,035,226	944,337	9.6
Value	$43,870,387	$29,060,586	51.0
All other, value	$1,990,499	$1,290,534	54.2
All other products, value	$102,863,307	(2)	

[1] In addition, rubber tires and inner tubes valued at $304,864 were reported as subsidiary products by establishments classified in industries other than those in the rubber group

[2] Not separately reported.

TABLE 5.—AUTOMOBILE AND TRUCK CASINGS AND INNER TUBES[1]—PRODUCTION, BY NUMBER AND VALUE, FOR THE UNITED STATES AND BY STATES: 1925 AND 1923

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported the manufacture of greater quantities of casings and tubes than some of the States shown separately]

STATE AND YEAR	CASINGS		INNER TUBES	
	Number	Value	Number	Value
United States:				
1925	58,784,073	$656,491,733	77,387,836	$118,234,658
1923	45,425,591	458,107,709	57,229,225	74,982,725
Ohio:				
1925	33,492,000	376,604,654	42,183,740	60,785,614
1923	26,326,665	257,267,935	30,831,097	39,686,299
Wisconsin:				
1925	3,955,631	36,740,173	5,307,135	7,249,890
1923	2,160,206	21,832,594	3,101,356	3,709,488
New Jersey:				
1925	2,377,882	28,783,693	4,111,853	8,929,497
1923	2,107,779	23,424,445	3,691,060	5,818,498
Pennsylvania:				
1925	1,400,084	18,700,557	2,230,889	3,630,025
1923	1,417,207	16,262,369	2,658,628	3,120,921
All other States:				
1925	17,558,476	195,566,656	23,554,219	37,639,632
1923	13,413,784	139,320,866	16,947,084	22,647,519

[1] The manufacture of motorcycle and bicycle tires and inner tubes in 1925 was reported by 13 establishments located in Connecticut, Indiana, Massachusetts, Michigan, New Jersey, Ohio, Pennsylvania, and Wisconsin. Over 40 per cent of the total number of such tires were produced in Wisconsin and more than 30 per cent in Indiana; and of the total number of such inner tubes manufactured, 39 per cent were produced in Ohio and 36 per cent in Indiana. The manufacture of solid tires for trucks was reported by 17 establishments located in Maryland, Massachusetts, Michigan, New Jersey, New York, North Carolina, and Ohio. More than 76 per cent of the total number produced were reported from Ohio. State figures for the foregoing can not be given without the possibility of disclosing operations of individual establishments.

TABLE 6.—CRUDE RUBBER CONSUMED AND STOCKS HELD BY ESTABLISHMENTS ENGAGED PRIMARILY IN THE MANUFACTURE OF TIRES AND INNER TUBES, BY STATES: 1925

[This table presents statistics for all States for which separate figures are given in Table 5. See headnote, Table 5]

STATE	Consumption in 1925 (long tons)	Stocks on hand Dec. 31, 1925 (long tons)
United States	335,873	29,666
Plantation	318,870	26,725
Para	4,941	738
All other	12,062	2,203
Ohio	195,152	18,557
Wisconsin	17,415	651
New Jersey	16,505	798
Pennsylvania	8,346	647
All other States	98,455	9,013

TABLE 7.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Four of the "All other States," however, reported larger values of products than Pennsylvania]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	126	96,176	113	[1] 14,423	81,640	403,227
New Jersey	11	4,569	1	560	4,008	18,590
Ohio	44	58,826	3	8,473	50,350	219,341
Pennsylvania	11	3,551	4	492	3,055	18,090
Wisconsin	5	4,421	-------	482	3,939	18,296
All other States [2]	55	24,809	105	4,416	20,288	128,910

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $32,350,363	$120,614,081	$1,167	$559,939,811	[4] $925,001,520	$365,061,709
New Jersey	1,297,645	5,926,296	167	25,218,933	41,558,331	16,339,398
Ohio	19,967,988	76,491,597	-------	330,554,798	556,262,424	225,707,626
Pennsylvania	790,109	3,838,509	-------	16,157,323	25,784,062	9,626,739
Wisconsin	1,088,557	5,394,471	-------	29,015,000	46,271,447	17,256,447
All other States [2]	9,206,064	28,963,208	1,000	158,993,757	255,125,256	96,131,499

[1] Not including 343 salaried officers and employees of central administrative offices, with salaries aggregating $952,295. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 14,766 salaried officers and employees and $33,302,658. (See "Central-administrative-office employees," p. 1193.)

[2] Alabama, 1 establishment; California, 7; Colorado, 1; Connecticut, 5; Georgia, 2; Illinois, 3; Indiana, 7; Iowa, 4; Maryland, 3; Massachusetts, 2 (see footnote 4, Table 7, p. 20); Michigan, 3; Minnesota, 1; Missouri, 1; Nebraska, 2; New York, 5; North Carolina, 3; Oregon, 1; Texas, 1; Washington, 2; West Virginia, 1.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] See footnote 1, Table 4, p. 619.

RUBBER BOOTS AND SHOES

[A preliminary report for this industry was issued under date of August 31, 1926]

Description of the industry.—The establishments classified in this industry are those whose principal products are rubber boots, shoes, overshoes, heels, and soles, and canvas shoes with rubber soles. (Statistics for the manufacture of boots and shoes from materials other than rubber are presented in a separate report.)

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	23	24,999	$28,057,948	--------	$40,560,085	$115,934,554	$75,368,469	59,413
1923	25	29,435	33,670,810	$3,879	45,268,988	131,739,742	86,470,754	56,184
1921	24	23,888	23,428,115	1,150	32,132,942	94,032,524	61,899,582	(3)
1919	25	32,875	30,882,722	96,467	50,346,880	116,917,434	66,570,554	49,40
1914	23	18,687	9,986,454	39,140	23,956,036	53,822,123	29,866,087	[4] 24,56
	PER CENT OF INCREASE OR DECREASE (−)							
1923–1925	(5)	−15.1	−16.7	--------	−10.4	−12.0	−12.8	5.
1921–1923	(5)	23.2	43.7	237.3	40.9	40.1	39.7	--------
1921–1925	(5)	4.7	19.8	--------	26.2	23.3	21.8	--------
1914–1925	(5)	33.8	181.0	--------	69.3	115.4	152.4	141.9

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] These figures differ slightly from the corresponding ones published in the report for 1914 because of the exclusion here and the inclusion in the previous report of data for purchased power other than electric.
[5] Not computed where base is less than 100.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR MASSACHUSETTS, 1925

[See headnote, Table 5]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	24,999	25,208	25,797	25,633	25,318	24,854	24,598
1923 [1]	29,435	*26,996*	27,627	27,973	29,284	29,610	29,037
1921 [1]	23,888	28,630	24,157	24,290	22,808	22,723	*16,418*
1919 [1]	32,875	34,501	35,339	33,977	32,455	31,298	*30,642*
Massachusetts	11,389	11,071	11,630	11,692	11,437	10,978	10,959

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	23,173	*22,337*	24,631	25,199	26,304	26,842
1923 [1]	30,275	30,139	30,465	30,464	30,597	29,856
1921 [1]	21,658	21,805	24,433	25,715	26,746	27,183
1919 [1]	31,304	31,561	31,578	32,953	34,145	34,657
Massachusetts	10,557	10,065	11,258	11,674	12,568	12,779

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 83.2; 1923, 88.2; 1921, 57.3; 1919, 86.7.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Horsepower	Number	Horsepower	Number	Horsepower
Prime movers, total	2,996	59,413	2,370	56,184	1,820	49,400
Steam engines	28	14,408	47	17,595	51	21,070
Steam turbines	2	260			1	150
Water wheels and turbines	10	1,946	12	2,675	11	2,462
Electric motors driven by purchased current	2,956	42,799	2,311	35,914	1,757	25,718
Electric motors, total	3,227	44,567	2,613	37,864	2,172	28,320
Driven by purchased current	2,956	42,799	2,311	35,914	1,757	25,718
Driven by current generated in establishment reporting	271	1,768	302	1,950	415	2,602
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	23	1,783	(1)	(1)	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1925 AND 1923

KIND	1925	1923	Per cent of decrease
Total value	[1] $130,459,039	(2)	----------
Rubber boots and shoes industry, all products, value	115,934,554	$131,739,742	−12.0
Rubber boots and shoes, value	105,398,341	(2)	----------
All other products, value	10,536,213	(2)	----------
Rubber boots and shoes, secondary products of other rubber industries, value	14,524,485	(2)	----------
Rubber boots and shoes, total value, all rubber industries	$119,922,826	$134,986,897	−11.2
Rubber boots—			
Pairs	4,739,423	9,097,896	−47.9
Value	$16,027,904	$23,573,097	−32.0
Rubber shoes and overshoes—			
Pairs	52,338,782	60,102,775	−12.9
Value	$80,076,608	$83,031,542	−3.6
Canvas shoes with rubber soles—			
Pairs	24,999,932	26,114,073	−4.3
Value	$23,818,314	$28,382,258	−16.1
All other products, value	$10,536,213	(2)	----------

[1] In addition, rubber tires and inner tubes valued at $304,864 were reported as subsidiary products by establishments classified in industries other than those in the rubber group.
[2] Not tabulated separately.

TABLE 5.—RUBBER BOOTS AND SHOES—PRODUCTION, BY NUMBER AND VALUE, FOR THE UNITED STATES AND FOR MASSACHUSETTS: 1925 AND 1923

[Massachusetts is the only State for which separate figures can be given without disclosing operations of individual establishments]

KIND AND YEAR	United States	Massachusetts	Other States
Rubber boots:			
Pairs—			
1925	4,739,423	2,630,358	2,109,065
1923	9,097,896	3,029,054	6,068,842
Value—			
1925	$16,027,904	$8,129,314	$7,898,590
1923	$23,573,097	$8,591,670	$14,981,427
Rubber shoes and overshoes:			
Pairs—			
1925	52,338,782	19,254,267	33,084,515
1923	60,102,775	21,616,851	38,485,924
Value—			
1925	$80,076,608	$25,567,942	$54,508,666
1923	$83,031,542	$26,361,580	$56,669,962
Canvas shoes with rubber soles:			
Pairs—			
1925	24,999,932	10,695,512	14,304,420
1923	26,114,073	12,897,649	13,216,424
Value—			
1925	$23,818,314	$9,922,069	$13,896,245
1923	$28,382,258	$13,071,941	$15,310,317

TABLE 6.—CRUDE RUBBER CONSUMED AND STOCKS HELD BY MANUFACTURERS OF RUBBER BOOTS AND SHOES, FOR THE UNITED STATES AND FOR MASSACHUSETTS: 1925

[Massachusetts is the only State for which separate figures can be given without disclosing operations of individual establishments]

STATE	Consumption in 1925 (long tons)	Stocks on hand Dec. 31, 1925 (long tons)
United States	15,901	2,166
Plantation	13,741	1,745
Para	827	219
All other	1,333	202
Massachusetts	7,536	935
Other States	8,365	1,231

TABLE 7.—GENERAL STATISTICS, BY STATES: 1925

[Massachusetts, which is the leading State, is the only one for which separate figures can be given withou disclosing operations of individual establishments]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY			Horsepower
		Total	Salaried officers and employees	Wage earners (average number)	
United States	23	28,402	[1] 3,403	24,999	59,413
Massachusetts	10	13,023	1,634	11,389	27,322
All other States [2]	13	15,379	1,769	13,610	32,091

STATE	Salaries	Wages	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $5,375,671	$28,057,948	$40,566,085	[4] $115,934,554	$75,368,469
Massachusetts	2,790,875	13,525,474	18,794,523	53,626,091	34,831,568
All other States [2]	2,584,796	14,532,474	21,771,562	62,308,463	40,536,901

[1] Not including 264 salaried officers and employees of central administrative offices, with salaries aggregating $732,534. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 3,667 salaried officers and employees and $6,108,205. (See "Central-administrative-office employees," p. 1193.)

[2] Connecticut, 4 establishments; Illinois, 1; Indiana, 1; New Jersey, 1; New York, 1; Pennsylvania, 1; Rhode Island, 3; Wisconsin, 1.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] See footnote 1, Table 4, p. 624.

RUBBER GOODS, NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued under date of November 3, 1926]

Description of the industry.—The principal products of establishments classified in this industry are rubber belting and hose, rubberized fabrics and cloths, rubber clothing, rubber mats, hard-rubber goods, and druggists' and stationers' sundries, such as rubber brushes, rubber bands, rubber type, etc. (The rubber-goods industry does not include the manufacture of rubber-insulated wire and cable, which are treated as products of the "Electrical machinery, apparatus, and supplies" industry.

As explained elsewhere (see "Changes in classification," p. 616), the manufacture of rubber tires and inner tubes and all other rubber products except boots and shoes, belting, and hose was treated as a single industry at censuses prior to that for 1921, and the manufacture of belting and hose, now included in this industry, was classified separately for 1921 and preceding census years. It is impossible therefore, in the case of the rubber-goods industry, to present comparative statistics for 1919 and 1914.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1925, 1923, AND 1921

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	349	34,482	$41,890,891	$257,191	$118,334,628	$214,478,038	$96,143,410	194,217
1923	344	34,470	39,796,144	858,804	90,728,764	182,584,195	91,855,431	178,899
1921	294	23,889	25,130,610	224,138	54,192,053	114,747,274	60,555,221	(3)
	PER CENT OF INCREASE OR DECREASE (—							
1923-1925	1.4	(4)	5.3	−70.1	30.4	17.5	4.7	8.6
1921-1923	17.0	44.3	58.3	283.2	67.4	59.1	51.7	
1921-1925	18.7	44.3	66.7	14.7	118.4	86.9	58.8	

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] Less than one-tenth of 1 per cent.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1925, 1923, AND 1921, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 7, p. 631.]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	34,482	33,992	34,457	34,099	33,237	33,121	33,100
1923 [1]	34,470	35,092	36,326	36,736	36,841	36,370	35,470
1921 [1]	23,889	21,418	22,367	23,206	24,176	25,092	23,674
California	649	578	579	610	601	634	632
Colorado	19	23	19	19	22	20	21
Connecticut	2,406	2,374	2,409	2,397	2,286	2,364	2,399
Illinois	1,165	1,072	1,065	1,087	1,163	1,167	1,210
Indiana	1,194	1,121	1,128	1,126	1,149	1,148	1,171
Michigan	278	235	261	265	267	272	260
Missouri	186	170	184	187	190	188	194
New Jersey	8,297	8,281	8,441	8,400	8,158	7,964	8,002
New York	4,359	4,631	4,648	4,369	4,321	4,205	4,172
Ohio	4,889	4,434	4,512	4,456	4,404	4,391	4,510
Pennsylvania	1,034	1,047	1,048	1,037	1,001	1,024	1,006
Rhode Island	2,130	2,395	2,439	2,270	2,107	2,174	2,117
Texas	91	77	81	81	67	75	76
Wisconsin	278	269	273	286	268	254	246

See footnote at end of table

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1925, 1923, AND 1921, AND FOR SELECTED STATES, 1925—Continued

[See note at head of this table]

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	33,468	33,635	34,926	35,859	36,872	37,019
1923 [1]	34,376	33,057	*32,075*	32,217	32,630	32,354
1921 [1]	23,110	23,908	23,659	24,990	25,437	25,631
California	676	668	647	713	722	730
Colorado	24	23	20	19	12	11
Connecticut	2,464	2,497	2,575	2,662	2,730	2,790
Illinois	1,177	1,182	1,192	1,196	1,255	1,214
Indiana	1,188	1,204	1,216	1,252	1,279	1,345
Michigan	274	278	284	299	306	321
Missouri	193	194	186	188	176	176
New Jersey	8,158	8,193	8,389	8,515	8,480	8,572
New York	4,246	4,118	4,288	4,379	4,466	4,467
Ohio	4,715	4,955	5,166	5,403	5,834	5,886
Pennsylvania	1,006	1,078	1,057	1,028	1,044	1,028
Rhode Island	1,916	1,844	2,017	2,001	2,137	2,144
Texas	86	107	104	117	122	96
Wisconsin	220	210	249	332	361	370

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 89.4; 1923, 86.8; 1921, 83.6.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925 AND 1923

TYPE	1925		1923	
	Number	Horsepower	Number	Horsepower
Prime movers, total	7,116	194,217	4,968	178,899
Steam engines	152	35,545	214	68,886
Steam turbines	28	13,717		
Internal-combustion engines	10	165	10	356
Water wheels and turbines	14	1,205	19	2,131
Electric motors driven by purchased current	6,912	143,585	4,725	107,526
Electric motors, total	8,870	174,421	7,518	149,653
Driven by purchased current	6,912	143,585	4,725	107,526
Driven by current generated in establishment reporting	1,958	30,836	2,793	42,127
		Kilowatts		*Kilowatts*
Electric generators	101	20,080	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1925 AND 1923

KIND	1925	1923	Per cent of increase or decrease (−)
Total value	[1] $311,285,871	(2)	
Rubber goods, not elsewhere classified, industry, all products, value	214,478,038	$182,584,195	17.5
Rubber goods, value	211,775,710	(2)	
All other products, value	2,702,328	(2)	
Rubber goods, secondary products of other rubber industries, value	96,807,833	(2)	
Rubber goods, total value, all rubber industries	308,583,543	[3] 252,245,820	22.3
Rubber heels, for sale as such—			
Pairs	342,195,710	289,221,857	18.3
Value	$26,091,662	$23,690,841	10.1
Rubber soles, including composition or fiber, for sale as such—			
Pairs	36,064,367	13,509,232	167.0
Value	$10,884,577	$4,907,662	111.6
Golf balls and tennis balls [4]—			
Dozens	223,811	(5)	
Value	$756,746	(5)	
Rubberized fabrics, for sale as such, total value	$21,632,878	$20,758,169	4.2
Automobile and carriage—			
Yards	25,232,299	33,038,756	−23.6
Value	$13,873,238	$14,188,553	−2.2
Hospital sheeting—			
Yards	3,185,141	(6)	
Value	$1,397,983	(6)	
All other—			
Yards	22,654,627	18,100,656	25.2
Value	$6,361,657	$6,569,616	−3.2
Rubber hose, total value	$35,643,822	$34,011,774	4.8
Fire—			
Feet	10,835,829	(7)	
Value	$5,400,619	(7)	
Garden—			
Feet	131,274,543	(7)	
Value	$11,514,092	(7)	
All other, value	$18,729,111	(7)	
Rubber belting, total value	$23,481,072	$24,266,881	−3.2
Transmission	$15,145,579	(7)	
Conveyor	$5,868,238	(7)	
All other	$2,467,255	(7)	
Rubber flooring—			
Square feet	11,959,542	(5)	
Value	$6,123,362	(5)	
Reclaimed rubber, for sale as such—			
Pounds	243,851,873	131,731,945	85.1
Value	$23,020,517	$11,714,438	96.5
Rubber packing, value	$4,443,803	$5,628,272	−21.0
Rubber clothing, value	$7,748,135	$13,146,962	−41.1
Druggists' and stationers' sundries, value	$18,462,585	$19,864,060	−7.1
Hard-rubber goods, value	$29,110,589	$25,133,680	15.8
All other manufactures of rubber, value	$101,683,795	[8] $69,123,081	47.1
All other products, value	$2,702,328	(2)	

[1] In addition, rubber goods valued at $10,694,203 were reported as subsidiary products by establishments classified in industries other than those in the rubber group.
[2] No comparable data.
[3] Includes value of rubber heels and soles, which at the census for 1923 were treated as products of the rubber boot and shoe industry.
[4] Data for these products combined to avoid disclosing operations of individual establishments.
[5] Golf balls, tennis balls, and rubber flooring not reported separately; included in "All other manufactures of rubber."
[6] Hospital sheeting not reported separately in 1923; included in "All other" rubberized fabrics.
[7] Not reported separately.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1925

This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "Other States," however, reported larger values of the specified products than some of the States shown separately]

KIND AND STATE	Number of establishments	Quantity	Value
		Pairs	
Rubber heels, for sale as such	50	342,195,710	$26,091,662
Ohio	9	160,937,842	12,947,525
Massachusetts	17	97,285,612	6,779,917
Other States [1]	24	83,972,256	6,364,220
Rubber soles, including composition or fiber, for sale as such	27	36,064,367	10,384,577
Massachusetts	12	20,789,155	5,916,132
Other States [2]	15	15,275,212	4,468,445
Rubberized fabrics, for sale as such:			
Automobile and carriage—Connecticut, Massachusetts, Michigan, New Jersey, and Ohio	10	*Yards* 25,232,299	13,873,238
Hospital sheeting	16	3,185,141	1,397,983
Massachusetts	6	2,056,638	844,527
Other States [3]	10	1,128,503	553,456
All other	24	22,654,627	6,361,657
Massachusetts	8	12,243,810	3,533,496
Other States [4]	16	10,410,817	2,828,161
Rubber hose:			
Fire—California, Connecticut, Massachusetts, New Jersey, New York, and Ohio	14	*Feet* 10,835,829	5,400,619
Garden	20	131,274,543	11,514,092
New Jersey	10	60,563,593	5,465,286
Other States [5]	10	70,710,950	6,048,806
All other	30		18,729,111
Ohio	7		7,555,356
New Jersey	9		5,294,573
Other States [6]	14		5,879,182
		Square feet	
Rubber flooring	22	11,959,542	6,123,362
Massachusetts	4	3,755,991	2,582,088
Other States [7]	18	8,203,551	3,541,274
		Pounds	
Reclaimed rubber, for sale as such	32	243,851,873	23,020,517
New Jersey	9	40,860,359	4,211,217
Massachusetts	6	33,620,833	3,430,493
Other States [8]	17	169,370,681	15,378,807
Rubber belting:			
Transmission	23		15,145,579
New Jersey	10		6,357,679
Other States [9]	13		8,787,900
Conveyor	17		5,868,238
New Jersey	7		2,220,816
Other States [10]	10		3,647,422
All other—California, Colorado, Georgia, New Jersey, and Ohio	8		2,467,255
Golf balls and tennis balls [11]—Ohio, Pennsylvania, and Rhode Island	3	*Dozens* 223,811	756,746
Rubber packing	23		4,443,803
Ohio	4		1,872,142
New Jersey	8		1,507,303
California	5		684,654
Other States [12]	6		379,704
Rubber clothing	30		7,748,135
Massachusetts	10		3,547,087
New York	3		478,619
Missouri	3		285,434
Other States [13]	14		3,436,995

See footnotes at end of table

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1925—Continued

[See note at head of this table]

KIND AND STATE	Number of establishments	Quantity	Value
Druggists' and stationers' sundries	64		$18,462,585
Ohio	22		7,666,605
New Jersey	13		2,073,976
Massachusetts	9		1,830,144
New York	5		144,453
Other States [14]	15		6,747,407
Hard-rubber goods	38		29,110,589
Ohio	13		9,603,279
Other States [15]	25		19,507,310
All other manufactures of rubber	246		101,683,795
Ohio	46		36,374,010
New Jersey	27		13,319,483
New York	29		11,919,832
Pennsylvania	13		6,314,224
Illinois	24		4,429,560
Connecticut	8		4,130,433
Indiana	9		3,631,976
California	15		1,553,438
Michigan	6		1,408,456
Missouri	4		1,299,221
Texas	8		500,920
Other States [16]	57		16,302,242

[1] California, Illinois, Indiana, Maine, Maryland, Missouri, New Jersey, New York, Oregon, Pennsylvania, Texas, and Wisconsin.
[2] Colorado, Illinois, Indiana, Maryland, New Jersey, New York, Ohio, and Oregon.
[3] Connecticut, New York, Ohio, and Pennsylvania.
[4] Colorado, Connecticut, New York, Ohio, Pennsylvania, Rhode Island, and Wisconsin.
[5] California, Connecticut, Delaware, Massachusetts, New York, and Ohio.
[6] California, Colorado, Delaware, Illinois, Massachusetts, Minnesota, New York, and Wisconsin.
[7] Illinois, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Washington, and Wisconsin.
[8] California, Connecticut, Indiana, Iowa, Maryland, New York, Ohio, Pennsylvania, and Texas.
[9] California, Illinois, Massachusetts, Minnesota, New York, and Ohio.
[10] California, Illinois, Massachusetts, New York, Ohio, and Oregon.
[11] Not including golf balls and tennis balls made by establishments classified in other industries, data for which are incomplete. The statistics given are combined to avoid disclosing operations of individual establishments.
[12] Illinois, Massachusetts, New York, and Pennsylvania.
[13] California, Connecticut, Illinois, New Jersey, Ohio, Rhode Island, and Wisconsin.
[14] California, Colorado, Connecticut, Illinois, Louisiana, Maryland, Missouri, Pennsylvania, Rhode Island, and Texas.
[15] California, Connecticut, Illinois, Massachusetts, Michigan, Missouri, New Jersey, New York, Oregon, Pennsylvania, and Rhode Island.
[16] Colorado, Delaware, Georgia, Iowa, Massachusetts, Minnesota, North Carolina, Oklahoma, Oregon, Rhode Island, Virginia, Washington, and Wisconsin.

TABLE 6.—CRUDE RUBBER CONSUMED AND STOCKS HELD BY ESTABLISHMENTS ENGAGED PRIMARILY IN THE MANUFACTURE OF RUBBER GOODS OTHER THAN TIRES AND TUBES AND BOOTS AND SHOES, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given in Table 7. See headnote, Table 7]

STATE	Consumption in 1925 (long tons)	Stocks on hand Dec. 31, 1925 (long tons)	STATE	Consumption in 1925 (long tons)	Stocks on hand Dec. 31, 1925 (long tons)
United States	35,855	5,418	Michigan	164	10
Plantation	25,556	3,163	Missouri	225	7
Para	4,495	1,668	New Jersey	9,152	2,136
All other	5,804	587	New York	6,063	304
California	588	108	Ohio	3,070	438
Colorado	3		Pennsylvania	1,005	82
Connecticut	2,122	178	Rhode Island	3,168	1,172
Illinois	1,636	124	Texas	3	
Indiana	247	32	Wisconsin	142	10
Massachusetts	8,089	765	All other States	778	52

TABLE 7.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	349	39,652	118	[1] 5,052	34,482	194,217
California	18	869	5	215	649	7,460
Colorado	3	26	-------	7	19	22
Connecticut	15	2,863	-------	367	2,496	16,324
Illinois	27	1,359	18	176	1,165	8,023
Indiana	10	1,293	5	94	1,194	7,134
Michigan	7	332	3	51	278	2,152
Missouri	9	232	4	42	186	737
New Jersey	53	9,349	5	1,047	8,297	48,872
New York	37	4,888	17	512	4,359	11,830
Ohio	63	5,641	39	713	4,889	31,872
Pennsylvania	18	1,218	6	178	1,034	6,983
Rhode Island	5	2,474	-------	344	2,130	9,015
Texas	8	124	2	31	91	83
Wisconsin	5	309	-------	31	278	1,413
All other States [2]	71	8,675	14	1,244	7,417	42,297

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $11,652,526	$41,890,891	$257,191	$118,334,628	[4] $214,478,038	$96,143,410
California	555,949	739,830	3,857	2,692,793	5,776,935	3,084,142
Colorado	16,765	15,609	545	57,141	102,882	45,741
Connecticut	780,307	2,979,377	28,514	8,691,272	15,295,582	6,604,310
Illinois	458,309	1,496,693	----------	3,504,306	6,970,014	3,465,708
Indiana	278,628	1,530,433	----------	2,650,250	6,236,899	3,586,640
Michigan	93,237	396,864	----------	2,546,497	4,297,379	1,750,882
Missouri	58,540	208,627	----------	650,844	1,212,539	561,695
New Jersey	2,388,982	10,770,410	24,878	31,840,980	53,484,959	21,643,979
New York	1,234,485	5,378,395	1,422	12,857,516	24,889,219	12,031,703
Ohio	1,705,003	5,984,830	63,939	14,903,217	28,011,082	13,107,865
Pennsylvania	505,399	1,265,795	----------	3,228,137	6,482,080	3,253,943
Rhode Island	668,370	2,269,482	----------	4,607,516	9,582,976	4,975,460
Texas	57,289	60,025	----------	242,077	547,225	305,148
Wisconsin	78,121	302,913	923	1,033,162	1,614,144	580,982
All other States [2]	2,773,142	8,491,608	133,113	28,828,911	49,974,123	21,145,212

[1] Not including 452 salaried officers and employees of central administrative offices, with salaries aggregating $1,151,434. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 5,504 salaried officers and employees and $12,803,960. (See "Central-administrative-office employees," p. 1193.)

[2] Delaware, 2 establishments; Georgia, 1; Iowa, 1; Louisiana, 1; Maine, 1; Maryland, 2; Massachusetts, 50; Minnesota, 3; North Carolina, 1; Oklahoma, 1; Oregon, 3; Virginia, 1; Washington, 4.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] See footnote 1, Table 4, p. 628.

As Massachusetts is one of the leading States in the manufacture of rubber goods, it is desirable to show separate statistics for that State, so far as possible. The Massachusetts figures for the "Rubber tires and inner tubes" industry can not, however, be given separately without disclosing operations of individual establishments, and have therefore been combined with those for the "Rubber goods, not elsewhere classified," industry. These combined statistics are as follows:

Number of establishments	52	Salaries	$4,540,030
Persons engaged, total	12,827	Wages	13,904,175
Proprietors and firm members	6	Paid for contract work	132,813
Salaried officers and employees	2,081	Cost of materials	61,611,753
Wage earners (average number)	10,740	Value of products	108,594,705
Horsepower	62,041	Value added by manufacture	46,982,952

Group 7.—PAPER, PRINTING, AND RELATED INDUSTRIES

THE GROUP AS A WHOLE

Under this heading are presented four closely related subgroups of industries, namely, (1) The manufacture of paper and wood pulp; (2) the manufacture of articles from paper, including the printing of wall paper made by establishments which do not manufacture the paper itself; (3) printing and publishing; (4) industries related to printing and publishing. The products of the first subgroup provide the material for the second subgroup, and the industries in the third subgroup use as materials the products of both the first and the fourth subgroups. As a result of this condition, there is considerable duplication in the cost of materials and the value of products for the group as a whole.

The only change which has been made in the constitution of Group 7 since the census for 1923 is the inclusion of the "Engravers' materials" industry, formerly classified in Group 16.

A table giving summary statistics for the group, for the four subgroups, and for the separate industries is given below. On pages 635 to 688 are presented detailed reports for those industries in Group 7 for which statistics have been published separately in pamphlet form; and on pages 689 to 697 are given descriptions and summary statistics for the remaining industries.

SUMMARY FOR GROUP 7, PAPER, PRINTING, AND RELATED INDUSTRIES: 1919 TO 1925

[The manufacture of engravers' materials, formerly classified in Group 16, is now classified in Group 7. The statistics for 1923 and earlier years have accordingly been adjusted by adding the figures for this industry. Data for establishments reporting products valued at less than $5,000 are included in the figures for 1919 but not in those for subsequent years]

INDUSTRY	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Total	1925	26,553	530,766	805,516	1,614,235	4,143,685	2,529,450	3,060,794
	1923	25,799	527,019	743,050	1,544,418	3,772,288	2,227,870	2,743,529
	1921	25,377	467,251	637,432	1,332,371	3,150,564	1,818,193	(1)
	1919	36,424	510,040	504,722	1,308,201	3,014,832	1,706,631	2,346,682
Paper and wood pulp	1925	763	123,842	160,146	605,860	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,023
	1921	738	105,294	127,029	445,992	667,436	221,444	(1)
	1919	729	113,759	135,691	467,483	788,060	320,577	1,549,699
Manufactures of paper	1925	1,931	93,834	98,583	300,800	558,529	257,729	136,982
	1923	1,907	93,866	93,544	289,220	524,126	234,906	124,664
	1921	1,837	76,290	71,537	208,080	385,747	177,667	(1)
	1919	1,919	90,497	73,526	240,589	440,866	200,277	109,692
Bags, paper, exclusive of those made in paper mills.	1925	69	5,585	5,524	29,957	45,978	16,021	6,414
	1923	64	4,686	4,587	29,375	42,272	12,897	6,108
	1921	57	3,707	3,476	29,797	41,190	11,393	(1)
	1919	75	4,168	3,603	33,350	47,264	13,914	4,429
Boxes, paper and other, not elsewhere classified.	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,855	53,966	144,080	264,209	120,129	61,687
	1921	1,191	46,242	40,477	88,268	174,248	85,980	(1)
	1919	1,201	55,862	43,326	101,135	206,419	105,284	54,075
Card cutting and designing	1925	49	1,086	1,084	2,436	6,201	3,765	1,355
	1923	47	1,207	1,242	2,643	6,109	3,466	1,262
	1921	40	762	803	2,019	4,568	2,539	(1)
	1919	75	1,148	959	2,208	5,323	3,025	743

See footnote at end of table

SUMMARY FOR GROUP 7, PAPER, PRINTING, AND RELATED INDUSTRIES: 1919 TO 1925—Continued

[See note at head of this summary, p. 632]

INDUSTRY	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Manufactures of paper—Continued.								
Cardboard, not made in paper mills.	1925	13	978	1,188	3,475	7,288	3,813	1,795
	1923	15	1,176	1,340	5,332	9,340	4,008	2,354
	1921	20	1,157	1,172	3,914	7,642	3,728	(1)
	1919	16	1,425	1,337	4,954	9,139	4,185	3,251
Envelopes	1925	135	9,052	9,987	27,423	51,189	23,766	10,288
	1920	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	(1)
	1919	106	8,129	6,650	21,965	39,664	17,699	7,124
Labels and tags	1925	113	5,356	6,730	13,096	28,046	14,950	4,808
	1923	103	5,048	6,224	12,130	26,023	13,893	4,538
	1921	89	4,152	4,777	8,820	19,538	10,718	(1)
	1919	119	5,227	4,550	11,275	24,244	12,909	4,033
Paper patterns	1925	16	1,243	1,595	2,001	13,666	11,665	813
	1923	19	929	1,098	1,174	9,259	8,085	971
	1921	18	816	844	1,338	10,531	9,193	(1)
	1919	19	403	374	317	1,528	1,211	68
Paper goods, not elsewhere classified.	1925	310	13,386	15,403	70,700	124,217	53,517	35,324
	1923	311	14,724	15,562	66,958	116,162	49,204	37,840
	1921	290	11,510	11,807	49,872	84,129	34,257	(1)
	1919	308	14,135	12,667	65,295	107,285	41,990	35,369
Printing and publishing and allied industries.	1925	22,725	296,324	502,114	673,985	2,482,065	1,808,080	458,842
	1923	22,122	291,029	459,856	647,975	2,222,537	1,574,562	405,194
	1921	21,850	268,081	407,687	647,296	1,999,915	1,352,619	(1)
	1919	32,476	287,278	331,519	571,510	1,699,789	1,128,279	361,124
Bookbinding and blank-book making.	1925	970	20,836	26,006	24,127	81,600	57,473	16,147
	1923	965	20,728	25,216	23,073	76,959	53,886	15,539
	1921	869	17,465	20,318	19,886	63,854	43,968	(1)
	1919	1,113	20,361	18,659	23,235	66,021	42,786	11,037
Engraving, steel and copperplate, and plate printing.	1925	368	7,259	10,168	7,628	32,106	24,478	5,764
	1923	377	7,529	10,185	7,957	32,551	24,594	5,738
	1921	367	7,156	9,612	7,609	28,779	21,170	(1)
	1919	421	7,014	7,908	6,981	24,209	17,228	5,353
Lithographing	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
	1923	328	16,317	25,067	31,009	91,671	60,662	26,869
	1921	296	13,971	21,085	30,522	79,472	48,950	(1)
	1919	331	15,618	18,201	27,718	73,151	45,433	18,550
Printing and publishing	1925	21,056	251,272	438,833	610,059	2,269,638	1,659,579	408,308
	1923	20,452	246,455	399,388	585,936	2,021,356	1,435,420	357,048
	1921	20,318	229,489	356,672	589,279	1,827,810	1,238,531	(1)
	1919	30,611	244,285	286,751	513,576	1,636,408	1,022,832	326,184
Other industries related to printing and publishing.	1925	1,134	22,766	44,573	33,590	131,209	97,619	37,960
	1923	1,024	21,447	38,173	33,496	118,278	84,782	35,048
	1921	952	17,591	31,179	31,003	97,466	66,463	(1)
	1919	1,300	18,515	23,986	28,619	86,117	57,498	26,167
Engravers' materials	1925	16	177	276	1,202	2,014	812	921
	1923	24	224	392	1,359	2,303	944	832
	1921	22	184	302	1,046	1,817	771	(1)
	1919	21	174	212	1,484	2,248	764	733
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
	1923	210	1,887	2,853	2,820	9,121	6,301	2,345
	1921	193	1,276	1,761	1,397	4,850	3,453	(1)
	1919	478	1,878	2,391	1,927	7,350	5,423	1,750
Engraving, wood	1925	22	117	234	46	525	479	32
	1923	24	141	214	42	524	482	26
	1921	24	131	219	139	628	489	(1)
	1919	55	235	407	219	1,154	935	67

See footnote at end of table

Summary for Group 7, Paper, Printing, and Related Industries: 1919 to 1925—Continued

[See note at head of this summary, p. 632]

INDUSTRY	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Other industries related to printing and publishing—Continued.								
Photo-engraving, not done in printing establishments.	1925	577	9,868	24,321	8,303	58,640	50,247	6,735
	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	(1)
	1919	422	6,769	10,424	5,038	29,389	24,351	3,800
Printing materials, not including type or printing ink.	1925	71	888	1,379	1,787	6,526	4,739	1,981
	1923	68	560	844	1,163	4,806	3,643	1,062
	1921	74	816	1,153	1,714	5,319	3,605	(1)
	1919	82	723	799	1,620	4,919	3,299	1,351
Stereotyping and electrotyping, not done in printing establishments.	1925	193	4,283	9,206	4,280	22,361	18,081	13,774
	1923	179	4,096	8,334	3,806	20,596	16,790	12,313
	1921	157	3,617	7,082	3,746	17,359	13,613	(1)
	1919	171	3,664	5,003	4,235	15,919	11,684	9,498
Type founding	1925	18	537	603	706	2,451	1,745	1,236
	1923	18	606	646	709	2,512	1,803	1,438
	1921	18	608	634	696	2,130	1,434	(1)
	1919	23	810	868	943	2,090	1,147	845
Wall paper	1925	49	5,069	5,863	14,999	30,069	15,070	11,528
	1923	51	5,412	6,221	16,991	34,756	17,765	11,246
	1921	43	3,988	4,982	16,336	29,148	12,812	(1)
	1919	48	4,262	3,882	13,153	23,048	9,895	8,123

[1] Not called for on schedule.

PAPER AND WOOD PULP

[A preliminary report for this industry was issued under date of January 31, 1927]

Description of the industry.—This industry embraces the manufacturing operations carried on in establishments engaged primarily in the production of paper or wood pulp. The statistics are derived from a consolidation of reports made by three classes of establishments—(1) those manufacturing paper exclusively, (2) those manufacturing wood pulp exclusively, and (3) those manufacturing both paper and pulp. The mills in class 1 purchase all, and the majority of those in class 3 purchase a part, of the pulp they consume. Other basic materials, all of which are of minor importance, are rags, waste paper, straw, and fibers of various kinds. Although a considerable quantity of the wood pulp consumed is imported, the greater part is the product of the domestic mills in classes 2 and 3.

Statistics showing the consumption of pulp wood have been published in a separate pamphlet entitled "Pulp-wood Consumption and Wood-pulp Production."

Duplication in cost of materials and value of products.—The total cost of materials and value of products shown for each year include some duplication resulting from the use of the products of pulp mills as materials by paper mills. The total production of mills engaged exclusively in the manufacture of pulp, together with a minor proportion of the pulp production of mills engaged in the manufacture of both paper and pulp, is purchased for use as a material by establishments manufacturing paper. (See Table 2.) The amount of this duplication—approximately $55,000,000 in 1925, $65,000,000 in 1923, $63,000,000 in 1921, and $80,000,000 in 1919—was equal to about 6 per cent of the total value of products for 1925, 7 per cent for 1923, 9 per cent for 1921, and 10 per cent for 1919. (See Table 5.) Of the aggregate wood-pulp production during each of the four census years approximately 70 per cent was consumed in the same establishments in which it was made.

Comparison with previous census years.—In this industry, as in most others, a decline was shown from 1919 to 1921, followed by a recovery which, while most pronounced between 1921 and 1923, is also evident from 1923 to 1925. All the important classes of products show increases in quantity for the recent two-year period, with the exception of wood pulp produced for sale, which shows a decrease. Increases in value are recorded for all classes of products except newsprint, for which a slight decrease appears, and wood pulp, which shows a considerable decrease. (See Table 5.) Following are the percentages of increase or decrease (—) between 1923 and 1925 in the quantities and values of the leading classes of products:

	Quantity	Value
Paper and paper boards, total	14.4	6.2
Newsprint	2.8	—4.3
Book paper	11.2	4.7
Fine paper	25.7	18.4
Wrapping paper	9.1	1.5
Paper boards	17.7	5.5
Tissue paper	12.2	3.6
Building paper	61.1	87.1
Wood pulp:		
Total production (including amount consumed in mills in which manufactured)	4.6	-----
Production for sale	—14.2	—15.7

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	763	123,842	$160,145,932	$314,751	$605,860,286	$971,882,320	$366,022,034	2,427,010
1923	746	120,677	151,476,693	502,787	573,727,153	907,346,992	333,619,839	2,178,623
1921	738	105,294	127,028,767	3,111,655	445,992,351	667,435,847	221,443,496	(3)
1919	729	113,759	135,690,642	487,240	467,482,637	788,059,377	320,576,740	[4] 1,849,699
1914	718	88,457	53,245,630	539,626	213,181,286	332,147,175	118,965,889	[4] 1,611,954
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	2.3	2.6	5.7	—37.4	5.6	7.1	9.7	11.4
1921–1923	1.1	14.6	19.2	—83.8	28.6	35.9	50.7	----------
1921–1925	3.4	17.6	26.1	—89.9	35.8	45.6	65.3	----------
1914–1925	6.3	40.0	200.8	—41.7	184.2	192.6	207.7	50.6

[1] Including also cost of fuel, electric power, mill supplies, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] These figures differ slightly from the corresponding ones published in the report for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric. (See footnote 1, Table 4, p. 638.)

TABLE 2.—GENERAL STATISTICS FOR ESTABLISHMENTS GROUPED ACCORDING TO NATURE OF PRODUCTS, FOR THE UNITED STATES: 1925 AND 1923

	ESTABLISHMENTS MAKING [1]—					
	Paper only		Pulp only		Both paper and pulp	
	1925	1923	1925	1923	1925	1923
Number of establishments	537	525	38	49	188	172
Wage earners (average number)	62,163	56,883	2,154	3,078	59,525	60,716
Wages	$81,098,514	$72,234,237	$2,718,776	$3,030,250	$76,328,642	$75,603,206
Paid for contract work	$108,719	$173,006	----------	----------	$206,032	$329,781
Cost of materials [2]	$338,622,083	$307,090,606	$11,702,363	$14,305,462	$255,535,840	$252,331,085
Value of products	$529,041,024	$467,584,925	$17,833,003	$21,212,772	$425,008,293	$418,549,295
Value added by manufacture [3]	$190,418,941	$160,494,319	$6,130,640	$6,907,310	$169,472,453	$166,218,210
Horsepower	867,355	732,885	117,206	125,687	1,442,359	1,320,051

[1] See Table 1 for totals.
[2] Including also cost of fuel, electric power, mill supplies, and containers.
[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 10, p. 650]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	123,842	123,670	124,441	125,830	125,353	123,670	122,282
1923 [1]	120,677	*118,500*	119,665	122,497	123,400	123,759	123,227
1921 [1]	105,294	111,959	112,585	109,700	105,785	*96,722*	97,309
1919 [1]	113,759	113,179	109,184	108,451	*107,762*	108,258	109,901
California	1,385	1,270	1,310	1,321	1,400	1,367	1,388
Connecticut	2,208	2,340	2,354	2,324	2,292	2,196	2,184
Delaware	815	830	807	813	818	817	786
Illinois	3,500	3,514	3,595	3,520	3,431	3,383	3,295
Indiana	2,428	2,441	2,421	2,462	2,468	2,272	2,369
Kansas	180	183	187	188	178	173	173
Louisiana	1,519	1,386	1,306	1,479	1,394	1,418	1,412
Maine	11,833	11,805	12,000	12,168	11,926	12,051	11,858
Maryland	1,788	1,792	1,841	1,929	1,854	1,749	1,659
Massachusetts	12,915	13,246	13,322	13,431	13,273	13,000	12,709
Michigan	12,507	12,299	12,233	12,311	12,403	12,268	12,364
Minnesota	2,448	2,262	2,317	2,389	2,545	2,444	2,458
New Hampshire	4,703	4,498	4,697	4,821	4,845	4,785	4,710
New Jersey	3,841	3,902	3,925	3,879	3,769	3,774	3,729
New York	16,884	16,758	17,053	17,325	17,252	17,103	16,560
Ohio	8,529	8,493	8,385	8,586	8,653	8,632	8,616
Oregon	1,789	2,012	1,964	1,987	1,977	1,900	1,754
Pennsylvania	9,574	9,925	9,825	9,827	9,728	9,453	9,479
Tennessee	517	528	517	524	541	562	539
Vermont	1,387	1,304	1,362	1,412	1,387	1,412	1,328
Virginia	2,887	2,794	2,865	2,873	2,852	2,844	2,858
Washington	2,191	2,187	2,158	2,120	2,149	2,152	2,111
West Virginia	916	993	1,000	982	949	950	964
Wisconsin	13,705	13,666	13,787	13,917	13,981	13,581	13,699

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	122,424	*122,068*	122,555	124,251	124,752	124,810
1923 [1]	121,353	119,100	119,715	118,752	118,677	119,479
1921 [1]	98,344	100,468	103,495	107,388	109,996	109,774
1919 [1]	114,337	115,920	117,878	118,797	120,782	120,679
California	1,383	1,392	1,390	1,436	1,477	1,481
Connecticut	2,091	2,116	2,137	2,145	2,145	2,174
Delaware	805	801	789	830	841	851
Illinois	3,417	3,481	3,555	3,582	3,637	3,587
Indiana	2,382	2,354	2,463	2,538	2,495	2,471
Kansas	175	178	178	168	183	198
Louisiana	1,404	1,399	1,755	1,753	1,711	1,814
Maine	11,692	11,713	11,653	11,748	11,690	11,685
Maryland	1,783	1,739	1,760	1,780	1,866	1,698
Massachusetts	12,529	12,516	12,514	12,680	12,800	12,804
Michigan	12,605	12,745	12,671	12,763	12,755	12,684
Minnesota	2,455	2,444	2,527	2,635	2,426	2,471
New Hampshire	4,798	4,787	4,804	4,944	5,014	4,811
New Jersey	3,801	3,796	3,820	3,816	3,877	3,940
New York	16,456	16,450	16,589	16,839	17,065	17,159
Ohio	8,513	8,442	8,444	8,555	8,502	8,533
Oregon	1,587	1,513	1,533	1,576	1,732	1,935
Pennsylvania	9,516	9,596	9,557	9,434	9,321	9,224
Tennessee	515	522	499	493	480	490
Vermont	1,387	1,355	1,388	1,446	1,431	1,431
Virginia	2,934	2,967	2,924	2,890	2,930	2,908
Washington	2,155	2,198	2,188	2,268	2,256	2,345
West Virginia	921	697	609	920	1,006	1,003
Wisconsin	13,805	13,463	13,429	13,642	13,754	13,747

[1] Month of maximum employment indicated by **bold-faced** figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 97; 1923, 95.8; 1921, 85.9; 1919, 89.2.

TABLE 4.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Horsepower	Number	Horsepower	Number	Horsepower
Prime movers, total	18,003	2,427,010	16,017	2,178,623	11,753	[1] 1,849,699
Steam engines	2,699	593,330	3,370	902,878	2,918	559,208
Steam turbines	576	418,758			239	139,775
Internal-combustion engines	35	5,385	37	6,689	37	3,191
Water wheels and turbines	2,147	931,398	2,308	882,002	[2] 2,558	[2] 910,863
Electric motors driven by purchased current	12,546	478,139	10,302	387,054	6,001	236,662
Electric motors, total	30,895	1,309,517	28,679	984,645	17,756	583,586
Driven by purchased current	12,546	478,139	10,302	387,054	6,001	236,662
Driven by current generated in establishment reporting	27,349	831,378	18,377	597,591	11,755	346,924
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	1,323	627,187	(3)	(3)	(3)	(3)

[1] This total differs from that given in the report for 1919 because of the exclusion here and the inclusion in the 1919 report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

[2] Includes data for a small number of water motors.

[3] Not called for on schedule.

TABLE 5.—PRODUCTS, BY CLASS, QUANTITY,[1] AND VALUE, FOR THE UNITED STATES: 1919 TO 1925

KIND	1925	1923	1921	1919
Total value, all products	[2] $971,882,320	[2] $907,346,092	[2] $667,435,847	[2] $788,059,377
PAPER-MILL PRODUCTS				
Paper and paper boards, total:				
Tons	9,182,204	8,029,482	5,431,265	6,098,530
Value	$862,588,916	$812,509,171	$585,734,960	$673,049,089
Standard newsprint, in rolls and sheets—				
Tons	1,563,318	1,521,080	1,237,408	1,323,880
Value	$106,083,161	$110,864,736	$114,314,537	$98,559,359
Hanging papers—				
Tons	104,554	110,842	57,459	69,445
Value	$9,506,383	$10,284,723	$5,949,360	$6,043,390
Poster, novel, tablet, lining, etc.—				
Tons	83,959	55,429	34,771	80,394
Value	$7,096,374	$4,959,599	$4,173,500	$7,272,755
Book paper, total—				
Tons	1,343,310	1,207,927	792,279	951,274
Value	$177,291,847	$169,285,720	$122,930,393	$142,280,390
Machine finished—				
Tons	852,018	780,262	494,926	532,413
Value	$107,147,061	$107,078,573	$75,123,693	$76,772,582
Sized and supercalendered—				
Tons	295,255	268,939	199,485	286,407
Value	$36,407,832	$34,482,245	$29,182,820	$41,498,194
Coated—				
Tons	180,462	158,726	97,868	132,454
Value	$31,970,357	$27,724,902	$18,623,880	$24,009,614
Plate, lithograph, map, woodcut, etc.—				
Tons	15,575	(3)	(3)	(3)
Value	$1,766,597	(3)	(3)	(3)
Cover paper—				
Tons	24,285	20,603	16,403	22,163
Value	$5,806,029	$4,972,643	$4,112,280	$5,643,191
Fine paper, total—				
Tons	473,804	377,029	230,912	325,183
Value	$105,474,234	$89,098,027	$61,313,957	$87,740,806
100 per cent rag—				
Tons	17,513	(4)	(4)	(4)
Value	$10,140,496	(4)	(4)	(4)

See footnotes at end of table

TABLE 5.—PRODUCTS, BY CLASS, QUANTITY,[1] AND VALUE, FOR THE UNITED STATES: 1919 TO 1925—Continued

KIND	1925	1923	1921	1919
PAPER-MILL PRODUCTS—continued				
Paper and paper boards—Continued.				
Fine paper—Continued.				
Less than 100 per cent to 50 per cent rag—				
Tons	42,667	(4)	(4)	(4)
Value	$17,685,758	(4)	(4)	(4)
Less than 50 per cent rag—				
Tons	66,993	(4)	(4)	(4)
Value	$19,092,784	(4)	(4)	(4)
Chemical wood papers (including sulphite bond)—				
Tons	346,631	(4)	(4)	(4)
Value	$58,555,196	(4)	(4)	(4)
Wrapping (or coarse) paper, total—				
Tons	1,292,049	1,184,234	827,403	858,464
Value	$143,587,475	$141,532,423	$103,259,272	$108,529,277
Bag[5]—				
Tons	123,705	123,577	104,572	(6)
Value	$14,617,053	$16,579,539	$13,857,293	(6)
Bleached fiber—				
Tons	34,407	(6)	(6)	(6)
Value	$5,082,393	(6)	(6)	(6)
Bogus and screenings—				
Tons	77,484			
Value	$5,706,759			
Wood manila—		146,038	111,827	126,175
Tons	38,583	$13,917,661	$12,401,016	$12,047,371
Value	$3,308,741			
Fiber—				
Tons	93,051	(6)	(6)	(6)
Value	$8,333,534	(6)	(6)	(6)
Grease-proof and glassine—				
Tons	47,642	(6)	(6)	(6)
Value	$9,198,620	(6)	(6)	(6)
Heavy (mill wrappers, etc.)—				
Tons	58,725	92,909	44,139	118,755
Value	$3,930,384	$7,901,914	$3,901,038	$9,856,002
Kraft—				
Tons	479,975	381,710	175,357	192,583
Value	$51,113,624	$46,277,910	$22,868,425	$26,575,194
Manilas (rope, jute, etc.)—				
Tons	84,279	95,821	93,551	111,782
Value	$13,143,778	$15,991,515	$12,004,422	$15,493,141
Tag board, light manila board, and pattern—				
Tons	21,241	[7] 33,678	[7] 19,043	[7] 27,092
Value	$3,004,336	$4,189,821	$2,722,962	$5,459,980
All other—				
Tons	232,957	[8] 310,501	278,914	282,077
Value	$26,148,253	$36,674,063	$35,504,116	$39,097,589
Boards, total—				
Tons	3,286,580	2,792,832	1,739,801	1,867,064
Value	$192,941,535	$182,867,070	$104,346,597	$124,090,643
Wood pulpboard (exclusive of wall board)—				
Tons	130,881	200,203	138,756	179,747
Value	$8,752,403	$13,840,668	$11,007,365	$14,887,881
Wall board—				
Tons	50,759	(9)	(9)	(9)
Value	$4,099,426	(9)	(9)	(9)
Strawboard—				
Tons	338,273	272,390	186,124	228,248
Value	$16,254,317	$13,987,577	$10,701,648	$12,229,837
News board—				
Tons	253,460	196,830	138,163	88,839
Value	$12,009,817	$11,646,550	$6,032,602	$4,604,082
Test liner board—				
Tons	487,475	(9)	(9)	(9)
Value	$28,081,633	(9)	(9)	(9)
Binders' board—				
Tons	38,804			
Value	$2,943,056			
Pressboard—		[10] 50,669	[10] 32,682	[10] 43,091
Tons	6,991	$5,361,860	$3,179,940	$3,787,860
Value	$1,237,416			

See footnotes at end of table

TABLE 5.—PRODUCTS, BY CLASS, QUANTITY,[1] AND VALUE, FOR THE UNITED STATES: 1919 TO 1925—Continued

KIND	1925	1923	1921	1919
PAPER-MILL PRODUCTS—continued				
Paper and paper boards—Continued.				
Boards—Continued.				
Cardboard—				
Tons	72,280			
Value	$7,172,930			
Bristol board—				
Tons	44,193			
Value	$6,677,814	[10] 234,220	[10] 163,216	[10] 84,987
Card middles—		$20,429,205	$12,784,560	$11,104,105
Tons	9,770			
Value	$858,836			
Ticket board—				
Tons	9,615			
Value	$817,924			
Leather board—				
Tons	14,269	16,906	21,830	28,167
Value	$1,717,754	$1,342,219	$1,554,728	$2,263,288
Chip board—				
Tons	951,570	928,149	609,718	695,963
Value	$44,488,965	$52,333,210	$27,251,027	$37,749,210
All other—				
Tons	878,240	803,465	449,312	518,022
Value	$57,824,184	$63,925,781	$31,834,727	$37,464,330
Tissue paper, total—				
Tons	281,243	250,616	185,800	190,561
Value	$45,734,920	$44,144,313	$33,646,524	$40,695,523
High grade—				
Tons	49,818	34,679	24,581	31,025
Value	$10,934,837	$9,714,706	$6,875,800	$11,137,550
Waxing—				
Tons	44,499	[11] 73,341	[11] 45,671	[11] 35,545
Value	$6,942,062	$13,153,586	$7,792,930	$7,644,952
Manila and No. 2 white—				
Tons	37,359	31,036	20,363	23,085
Value	$4,671,816	$4,622,979	$4,540,561	$3,580,279
Towel—				
Tons	28,741			
Value	$3,815,549	33,301	24,689	19,266
Napkin—		$4,519,311	$4,017,000	$5,144,895
Tons	11,979			
Value	$2,240,954			
Toilet—				
Tons	108,847	78,259	61,496	79,740
Value	$17,129,702	$12,133,731	$10,420,233	$13,178,847
Absorbent paper, total—				
Tons	51,126	15,798	11,538	13,420
Value	$9,999,928	$3,776,522	$2,666,906	$3,200,137
Blotting—				
Tons	12,948	15,798	11,538	13,420
Value	$2,585,368	$3,776,522	$2,666,906	$3,200,137
Filter—				
Tons	1,221	(12)	(12)	(12)
Value	$176,207	(12)	(12)	(12)
Matrix—				
Tons	2,158	(12)	(12)	(12)
Value	$464,921	(12)	(12)	(12)
For vulcanized fiber—				
Tons	17,148	(12)	(12)	(12)
Value	$3,402,589	(12)	(12)	(12)
For parchmentizing—				
Tons	17,656	(12)	(12)	(12)
Value	$3,370,843	(12)	(12)	(12)
Building paper, total—				
Tons	555,231	[13] 344,695	[10] 216,781	[10] 195,244
Value	$44,030,789	$23,528,831	$12,842,399	$17,737,341
Building and sheathing—				
Tons	101,394	(14)	(14)	(14)
Value	$7,256,529	(14)	(14)	(14)
Felts and roofing—				
Tons	453,837	(14)	(14)	(14)
Value	$36,774,260	(14)	(14)	(14)
Asbestos filled—				
Tons	27,169	(14)	(14)	(14)
Value	$1,661,089	(14)	(14)	(14)
All other paper—				
Tons	95,576	[8] 148,397	[8] 80,710	[8] 201,438
Value	$13,375,152	$27,194,564	$16,179,235	$31,247,277

See footnotes at end of table

TABLE 5.—PRODUCTS, BY CLASS, QUANTITY,[1] AND VALUE, FOR THE UNITED STATES: 1919 TO 1925—Continued

KIND	1925	1923	1921	1919
MANUFACTURES OF PAPER				
Paper bags: [15]				
Tons	50,970	38,397	11,792	27,460
Value	$8,543,651	$6,659,092	$2,674,448	$6,469,010
Paper boxes, value [16]	$35,876,258	$18,281,299	$11,489,105	$14,064,290
PULP-MILL PRODUCTS				
Wood pulp, total production, tons [17]	3,962,217	3,789,172	2,876,301	3,517,952
For sale [18]—Tons	912,687	1,063,398	867,740	1,100,303
Value	$55,200,140	$65,497,098	$63,373,552	$80,095,047
Ground, steamed, total production, tons [17]	71,188	103,713	147,122	281,635
For sale [18]—Tons	3,965	7,301	35,616	61,411
Value	$140,868	$235,050	$1,056,783	$2,224,604
Ground, not steamed, total production, tons [17]	1,540,831	1,464,081	1,112,577	1,237,194
For sale [18]—Tons	247,293	311,176	263,678	284,518
Value	$9,165,970	$11,167,012	$10,420,638	$9,504,137
Soda fiber, total production, tons [17]	472,647	445,162	300,533	411,603
For sale [18]—Tons	171,414	178,160	107,309	169,332
Value	$12,398,897	$14,098,270	$11,452,300	$14,939,293
Sulphite fiber, bleached, total production, tons [17]	612,576	557,846	421,342	509,788
For sale [18]—Tons	255,415	215,819	209,264	288,709
Value	$21,099,431	$19,283,046	$21,508,621	$31,715,215
Sulphite fiber, unbleached, total production, tons [17]	790,510	853,381	720,781	910,091
For sale [18]—Tons	124,592	187,245	188,964	227,305
Value	$6,936,203	$11,601,969	$14,491,710	$17,791,975
Sulphate fiber, total production, tons [17]	409,768	312,483	138,066	120,378
For sale [18]—Tons	84,659	145,051	50,329	44,292
Value	$5,076,611	$8,732,030	$3,542,618	$3,136,154
Screenings, mechanical, total production, tons [17]	17,670	12,759	7,683	12,220
For sale [18]—Tons	2,104	1,746	1,341	2,313
Value	$21,050	$28,309	$29,083	$33,448
Screenings, chemical, total production, tons [17]	47,027	39,747	28,197	35,003
For sale [18]—Tons	23,245	16,900	11,239	22,333
Value	$361,110	$351,412	$271,799	$750,161
MISCELLANEOUS PAPER-MILL AND PULP-MILL PRODUCTS [19]				
Total value	$9,673,355	$4,400,332	$4,163,782	$14,381,941

[1] Quantities in tons of 2,000 pounds.

[2] In addition, paper valued as follows was manufactured as a secondary product by establishments engaged primarily in other industries: 1925, $1,162,498 (4 establishments); 1923, $3,960,478 (17 establishments); 1921, $526,388 (7 establishments); 1919, $1,064,772 (5 establishments).

[3] Included in "All other paper" to avoid disclosing operations of individual establishments.

[4] No comparable data. Reported as "ledger and highest grade," "pole dried," "air dried," "machine dried," "sulphite bond," and "all other."

[5] Does not include bag paper converted into bags in same establishment. (See "Paper bags" under "Manufactures of paper," below.)

[6] Included in "Wrapping (or coarse) paper—all other," and "All other paper."

[7] Reported as "tag stock (rope, jute, and sulphite)."

[8] Not strictly comparable with 1925. (See footnote 6.)

[9] Included in "All other boards."

[10] Not strictly comparable with 1925.

[11] Reported as "white, colored, and waxing paper."

[12] Included in "All other paper."

[13] Not strictly comparable with 1925. Reported as "building, roofing, asbestos, and sheathing paper." This item does not include data for the following products made by establishments now classified in the paper and wood-pulp industry, but classified at the census for 1923 in the roofing-materials industry: Roofing felt, 38,357 tons, valued at $2,329,024; asbestos paper, $807,349; sheathing paper, $40,410. (No data as to quantities of asbestos paper and sheathing paper.)

[14] Not reported separately.

[15] In addition, paper bags valued as follows were reported by establishments classified in the "Bags, paper, exclusive of those made in paper mills" industry: 1925, $45,877,002; 1923, $45,827,472; 1921, $41,051,653; and 1919, $47,263,090. The total values of paper bags made in all establishments reporting such products, regardless of the industry designations, were as follows: 1925, $54,421,553; 1923, $52,486,584; 1921, $43,723,101; and 1919, $53,733,000.

[16] In addition, paper boxes and containers valued as follows were reported by establishments classified in the "Boxes, paper and other, not elsewhere classified" industry: 1925, $256,120,804; 1923, $158,510,256; 1921, $163,052,196; and 1919, $194,247,413. The total values of paper boxes and containers made by establishments reporting such products, regardless of the industry designations, were as follows: 1925, $291,997,002; 1923, $176,791,555; 1921, $175,441,301; and 1919, $208,311,703.

[17] Includes wood pulp consumed in mills in which manufactured.

[18] Includes wood pulp consumed in plants other than those in which made, operated by same companies.

[19] Insulite, corrugated and fiber specialties, wood flour and fiber, and other miscellaneous products; also, for 1925 only, cottonseed-hull shavings pulp; for 1923 only, pulp cores and pipe; and for 1925 and 1923 only, celluccotton.

TABLE 6.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, 1925, AND BY CLASS AND QUANTITY, 1923 AND 1921, BY STATES

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. In certain cases States for which separate figures can not be shown reported greater values of the specified products than some of those for which statistics are given. For this reason the States shown are not in all cases of the greatest importance in the manufacture of the specified products]

KIND AND STATE	1925		1923	1921
	Value	Short tons	Short tons	Short tons
Standard newsprint, in rolls and sheets, total	$106,083,101	1,563,318	1,521,080	1,237,408
New York	33,745,684	483,029	476,770	341,519
Maine	32,858,703	469,897	432,481	373,495
Wisconsin	10,520,029	151,131	157,665	150,965
Minnesota	8,575,819	122,445	138,019	98,899
Washington	5,288,971	90,216	87,722	(1)
All other States	15,093,955	240,600	228,423	272,530
Hanging paper, total	9,506,383	104,554	110,842	57,459
New York	5,344,688	59,903	66,116	40,551
All other States	4,161,695	44,651	44,726	16,908
Poster, novel, tablet, lining, etc., total	7,096,374	83,959	55,429	34,771
Wisconsin	1,711,567	20,377	(1)	(1)
New York	1,617,134	17,084	(1)	(1)
Maine	1,400,200	17,438	(1)	(1)
All other States	2,367,473	29,060	55,429	34,771
Book paper, total	177,291,847	1,343,310	1,207,927	792,279
Plain (machine finished and sized and supercalendered), total	143,554,893	1,147,273	1,049,201	694,411
Pennsylvania	22,854,712	169,207	159,684	86,084
New York	20,134,103	170,765	164,449	80,585
Massachusetts	17,848,906	120,223	140,725	90,243
Wisconsin	15,850,533	143,455	100,522	82,043
Ohio	13,726,130	107,722	87,832	61,811
Michigan	12,819,456	109,894	110,776	(1)
All other States	40,315,053	326,007	285,213	293,645
Coated, total	31,970,357	180,462	158,726	97,868
Michigan	12,386,283	71,905	55,088	29,982
All other States	19,584,074	108,557	103,638	67,886
Plate, lithograph, map, woodcut, etc., total	1,766,597	15,575	(2)	(2)
Cover paper, total	5,806,029	24,285	20,603	16,403
Massachusetts	2,148,036	7,818	7,423	6,263
All other States	3,657,993	16,467	13,180	10,140
Fine paper, total	105,474,234	473,804	[3] 377,029	[3] 230,912
100 per cent rag, total	10,140,496	17,513	(3)	(3)
Massachusetts	8,993,978	14,728	(3)	(3)
Wisconsin	447,989	834	(3)	(3)
All other States	698,529	1,951	(3)	(3)
Less than 100 per cent to 50 per cent rag, total	17,685,758	42,667	(3)	(3)
Massachusetts	11,737,315	26,446	(3)	(3)
Wisconsin	4,527,358	12,389	(3)	(3)
All other States	1,421,085	3,832	(3)	(3)
Less than 50 per cent rag, total	19,092,784	66,993	(3)	(3)
Massachusetts	6,553,135	19,064	(3)	(3)
Wisconsin	5,752,288	22,288	(3)	(3)
All other States	6,787,361	25,641	(3)	(3)
Chemical wood papers (including sulphite bond), total	58,555,196	346,631	(3)	(3)
Massachusetts	6,073,260	30,640	(3)	(3)
New York	5,338,756	36,840	(3)	(3)
New Hampshire	2,986,626	20,165	(3)	(3)
All other States	44,156,554	258,986	(3)	(3)
Wrapping (or coarse) paper, total	143,587,475	1,292,049	1,184,234	827,403
Bag paper, total [4]	14,617,053	123,705	123,577	104,572
Bleached fiber, total	5,082,393	34,407	(5)	(5)

See footnotes at end of table

TABLE 6.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, 1925, AND BY CLASS AND QUANTITY, 1923 AND 1921, BY STATES—Continued

[See note at head of this table, p. 642]

KIND AND STATE	1925		1923	1921
	Value	Short tons	Short tons	Short tons
Wrapping paper—Continued.				
Bogus and screenings, total	$5,706,759	77,484		
New York	615,854	13,131		
All other States	5,090,905	64,353		
Wood manila, total	3,308,741	38,583	146,038	111,827
New York	2,494,500	28,720		
All other States	814,241	9,863		
Fiber, total	8,333,534	93,051	(5)	(5)
Wisconsin	3,602,530	39,025	(5)	(5)
All other States	4,730,995	54,026	(5)	(5)
Grease-proof and glassine, total	9,198,620	47,642	(5)	(5)
Heavy (mill wrappers, etc.), total	3,930,384	58,725	92,909	44,139
Maine	527,562	10,331	(1)	(1)
Wisconsin	386,797	6,593	35,220	(1)
All other States	3,016,025	41,801	57,689	44,139
Kraft, total	51,118,624	479,975	381,710	175,357
Wisconsin	8,677,585	76,894	60,034	22,414
Louisiana	5,214,460	55,532	(1)	(1)
Michigan	5,188,082	49,594	(1)	(1)
New York	4,141,903	37,128	40,706	7,539
All other States	27,891,594	260,827	280,970	145,404
Manilas (rope, jute, etc.), total	13,143,778	84,279	95,821	93,551
Tag board, light manila board, and pattern, total	3,004,336	21,241	[6] 33,678	[6] 19,043
All other, total	26,148,253	232,957	310,501	278,914
Michigan	4,669,138	25,568	24,204	32,363
New York	1,431,925	14,940	14,980	12,725
All other States	20,047,190	192,449	271,317	233,826
Boards, total	192,941,535	3,286,580	2,792,832	1,739,801
Wood pulpboard (exclusive of wall board), total	8,752,463	130,881	200,203	138,756
Wall board, total	4,099,426	50,759	(7)	(7)
Strawboard, total	16,254,317	338,273	272,390	186,124
Indiana	5,205,815	117,820	107,568	80,273
Ohio	3,902,453	71,177	43,952	27,222
Illinois	3,696,455	79,771	47,945	34,241
All other States	3,449,594	69,505	72,925	44,388
News board, total	12,009,817	253,460	196,830	138,163
New Jersey	2,756,883	59,944	47,138	34,533
Pennsylvania	1,539,541	33,451	(1)	(1)
New York	1,149,757	25,492	16,805	(1)
All other States	6,563,636	134,573	132,887	103,630
Test liner board, total	28,081,633	487,475	(7)	(7)
New York	3,889,141	67,685	(7)	(7)
Wisconsin	3,443,973	55,047	(7)	(7)
Ohio	3,150,332	48,006	(7)	(7)
Indiana	2,566,228	40,371	(7)	(7)
Connecticut	1,889,353	23,862	(7)	(7)
All other States	13,142,606	252,504	(7)	(7)
Binders' board, total	2,948,056	38,804	[8] 50,669	[8] 32,682
Pressboard, total	1,237,416	6,991		
Cardboard, total	7,172,930	72,280	[8] 234,220	[8] 163,216
Bristol board, total	6,677,814	44,193		
Card middles, total	858,836	9,770		
Ticket board, total	817,924	9,615		
Leatherboard, total	1,717,754	14,269	16,906	21,830

See footnotes at end of table

TABLE 6.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, 1925, AND BY CLASS AND QUANTITY, 1923 AND 1921, BY STATES—Continued

[See note at head of this table, p. 642]

KIND AND STATE	1925		1923	1921
	Value	Short tons	Short tons	Short tons
Boards—Continued.				
Chip board, total	$44,488,965	951,570	928,149	609,718
Illinois	7,224,584	150,360	105,687	74,008
Michigan	5,285,109	117,606	177,004	135,614
Ohio	4,518,946	103,359	153,338	95,216
Indiana	4,053,458	56,344	48,236	24,648
New York	4,037,030	92,928	88,695	41,966
Pennsylvania	3,651,873	87,607	71,671	54,693
New Jersey	3,644,526	89,089	59,895	56,375
Connecticut	1,701,314	34,454	30,149	13,749
All other States	10,372,125	219,823	193,474	112,849
All other boards, total	57,824,184	878,240	893,465	449,312
Michigan	12,536,373	195,439	137,506	61,937
Ohio	9,758,167	179,620	136,742	70,668
New York	6,900,754	99,865	119,616	65,049
New Jersey	5,429,933	80,064	111,777	61,221
Connecticut	4,977,369	63,941	64,324	36,814
Pennsylvania	2,158,374	36,918	33,135	(1)
Massachusetts	1,806,423	25,367	42,843	(1)
Indiana	1,693,004	30,562	76,493	28,958
All other States	12,563,787	166,464	171,029	124,675
Tissue paper, total	45,734,920	281,243	250,616	185,800
High grade, total	10,934,837	49,818	34,679	24,681
Massachusetts	2,625,688	7,617	5,813	(1)
New York	1,480,843	6,267	8,327	2,723
New Jersey	1,135,025	4,599	2,552	(1)
All other States	5,693,381	31,335	17,987	21,858
Waxing, total	6,942,062	44,499	[9] 73,341	[9] 45,671
Wisconsin	2,171,316	15,115	22,568	(1)
Michigan	1,819,620	11,971	(1)	(1)
New York	1,267,044	7,548	11,715	6,293
All other States	1,684,082	9,865	39,058	39,378
Manila and No. 2 white, total	4,671,816	37,359	31,036	29,363
New York	1,444,849	11,638	14,218	19,383
All other States	3,226,967	25,721	16,818	9,980
Towel, total	3,815,549	28,741	33,301	24,689
Pennsylvania	1,051,873	7,414		
All other States	2,763,676	21,327		
Napkin, total	2,240,954	11,979		
New York	375,258	2,497		
All other States	1,865,696	9,482		
Toilet, total	17,129,702	108,847	78,259	61,496
New York	6,906,327	48,158	38,347	36,311
Wisconsin	3,916,861	23,576	17,583	11,317
New Hampshire	1,822,598	14,322	5,976	(1)
All other States	4,483,916	22,791	16,353	13,868
Absorbent paper, total	9,999,928	51,126	15,798	11,538
Blotting, total	2,585,368	12,948	15,798	11,538
Filter, total	176,207	1,221	(10)	(10)
Matrix, total	464,921	2,153	(10)	(10)
For vulcanized fiber, total	3,402,589	17,148	(10)	(10)
For parchmentizing, total	3,370,843	17,656	(10)	(10)
Building paper, total	44,030,789	555,231	[10,11] 344,695	[8,11] 216,781
Building and sheathing, total	7,256,520	101,394	(10)	(10)
Pennsylvania	962,673	23,406	(10)	(10)
Illinois	571,493	13,341	(10)	(10)
California	243,110	5,572	(10)	(10)
All other States	5,479,244	59,075	(10)	(10)
Felts and roofing, total	36,774,269	453,837	(10)	(10)
New York	6,709,697	75,835	(10)	(10)
Illinois	6,417,233	82,790	(10)	(10)
Ohio	5,340,866	66,257	(10)	(10)
California	2,730,635	42,758	(10)	(10)
All other States	15,575,829	186,147	(10)	(10)

See footnotes at end of table

TABLE 6.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, 1925, AND BY CLASS AND QUANTITY, 1923 AND 1921, BY STATES—Continued

[See note at head of this table, p. 642]

KIND AND STATE	1925		1923	1921
	Value	Short tons	Short tons	Short tons
Asbestos filled, total	$1,661,089	27,169	(10)	(10)
All other paper, total	13,375,152	95,576	[12] 148,397	[12] 80,710
New York	3,768,978	12,531	16,325	5,152
Massachusetts	2,758,741	20,281	22,437	14,570
All other States	6,847,433	62,764	109,635	60,988
MANUFACTURES OF PAPER				
Paper bags, total	[13] 8,543,651	50,970	38,397	11,792
Paper boxes, total	[14] 35,876,258			
PULP-MILL PRODUCTS				
Wood pulp made for sale or for consumption in mills other than those in which produced, total	55,200,140	912,687	1,063,398	867,740
Ground, total	9,306,838	251,258	318,477	299,294
Maine	4,502,451	119,574	138,789	99,165
New York	2,763,217	83,447	88,178	101,864
Wisconsin	1,392,947	30,406	47,451	45,104
All other States	648,223	17,831	44,059	53,161
Soda fiber, total	12,398,897	171,414	178,160	107,309
Sulphite fiber, total	28,035,634	380,007	403,064	398,228
Maine	4,511,106	58,313	50,699	45,320
Wisconsin	4,000,019	58,130	95,832	103,270
New York	1,227,747	19,639	35,060	74,985
All other States	18,296,762	243,925	221,473	174,653
Sulphate fiber, total	5,076,611	84,659	145,051	50,329
Wisconsin	1,791,580	27,725	30,807	(1)
All other States	3,285,031	56,934	114,244	50,329
Screenings, mechanical, total	21,050	2,104	1,746	1,341
Screenings, chemical, total	361,110	23,245	16,900	11,239
MISCELLANEOUS PAPER-MILL AND PULP-MILL PRODUCTS				
Total value	[15] 9,673,355			
Wood pulp produced (including that used in mills which manufactured), total		3,962,217	3,789,172	2,876,301
Ground, total		1,612,019	1,567,794	1,259,699
New York		538,880	489,805	379,277
Maine		484,399	445,664	378,424
Wisconsin		191,693	207,626	191,774
Minnesota		81,542	100,928	79,516
Washington		78,344	73,187	(1)
Vermont		46,597	56,034	39,235
All other States		190,564	194,550	191,473
Soda fiber, total		472,647	445,162	300,533
Pennsylvania		117,876	140,174	86,993
Maine		102,344	101,153	(1)
New York		66,271	(1)	(1)
All other States		186,156	203,835	213,540
Sulphite fiber, total		1,403,086	1,411,227	1,142,123
Wisconsin		296,646	289,081	242,017
Maine		288,841	305,423	238,588
New York		155,276	200,553	178,797
Pennsylvania		97,159	93,526	78,223
Washington		71,155	(1)	(1)
Michigan		70,550	77,140	57,355
Oregon		60,633	62,872	(1)
All other States		362,826	382,632	347,143

See footnotes at end of table

TABLE 6.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, 1925, AND BY CLASS AND QUANTITY, 1923 AND 1921, BY STATES—Continued

[See note at head of this table, p. 642]

KIND AND STATE	1925		1923	1921
	Value	Short tons	Short tons	Short tons
Wood pulp produced—Continued.				
Sulphate fiber, total		409,768	312,483	138,066
Wisconsin		101,264	74,108	50,383
Louisiana		87,147	48,225	(1)
Virginia		55,896	52,303	(1)
Michigan		47,966	(1)	(1)
All other States		117,495	137,847	87,683
Screenings, mechanical, total		17,670	12,759	7,683
Screenings, chemical, total		47,027	30,747	28,197

[1] Included in "All other States" to avoid disclosing operations of individual establishments.
[2] Included in "All other paper" to avoid disclosing operations of individual establishments.
[3] See footnote 4, Table 5.
[4] See footnote 5, Table 5.
[5] Included in "Wrapping (or coarse) paper—all other," and "All other paper."
[6] Reported as "tag stock (rope, jute, and sulphite)."
[7] Included in "All other boards."
[8] Not strictly comparable with 1925.
[9] Reported as "white, colored, and waxing paper."
[10] Not reported separately.
[11] See footnote 13, Table 5.
[12] Not strictly comparable with 1925. (See footnote 6, Table 5.)
[13] See footnote 15, Table 5.
[14] See footnote 16, Table 5.
[15] Insulite, corrugated and fiber specialties, cottonseed-hull shavings pulp, wood flour and fiber, and other miscellaneous products.

TABLE 7.—EQUIPMENT, BY KIND, NUMBER, AND CAPACITY: 1919 TO 1925

KIND	1925	1923	1921	1919
Paper machines:				
Total number	1,687	1,828	1,528	1,545
Capacity per annum, short tons	11,254,458	9,725,349	8,614,163	7,671,043
Fourdrinier—				
Number	961	955	891	862
Capacity per 24 hours, short tons	20,295	17,488	16,072	14,542
Cylinder—				
Number	726	873	637	683
Capacity per 24 hours, short tons	17,200	14,899	12,995	10,549
Pulp equipment:				
Grinders—				
Number	1,085	1,378	1,371	1,380
Capacity per 24 hours, short tons	7,079	7,988	7,514	7,022
Digesters, total number	672	702	666	739
Sulphite fiber	369	401	395	478
Soda fiber	189	200	201	202
Sulphate fiber	114	101	70	59
Capacity per annum, total, short tons	4,881,813	4,957,975	4,627,040	4,348,582
Ground	2,108,559	2,244,651	2,128,842	1,975,030
Sulphite	1,718,955	1,778,429	1,732,464	1,656,066
Soda	556,652	519,267	502,913	464,482
Sulphate	497,647	415,628	262,821	252,995

TABLE 8.—PAPER MACHINES, BY TYPE, NUMBER, AND CAPACITY, BY KINDS OF PAPER MADE: 1925

KIND	FOURDRINIER		CYLINDER	
	Number	Total capacity per 24 hours (short tons)	Number	Total capacity per 24 hours (short tons)
Total	961	20,295	726	17,200
Newsprint	146	5,721		
Book paper	232	4,997	3	39
Cover paper	10	106	1	5
Fine paper	161	1,951	2	26
Wrapping (or coarse) paper	206	4,633	81	808
Boards	25	720	452	13,527
Tissue paper	96	690	99	417
Absorbent paper	24	241		
Building paper	9	369	66	2,160
All other	52	867	22	218

TABLE 9.—IMPORTS AND EXPORTS OF PAPER AND WOOD PULP, BY QUANTITY[1] AND VALUE: 1919 TO 1925[2]

	1925	1923	1921	1919
IMPORTS				
Total value	$190,928,238	$181,526,486	$122,731,831	$84,849,264
Paper and paper boards, total value	$109,063,930	$106,824,302	$83,335,582	$47,800,883
Printing:				
Standard newsprint—				
Tons	1,448,425	1,208,843		
Value	$103,717,055	$98,021,045		
Other—				
Tons	8,231	8,237	793,163	627,974
Value	$803,592	$817,372	$79,320,094	$43,743,428
Hanging:				
Tons	1,726	2,895	(3)	(3)
Value	$130,322	$195,595	$363,269	(3)
Wrapping:				
Grease-proof and imitation parchment—				
Tons	747	1,475	(3)	78
Value	$180,894	$260,943	(3)	$32,943
Vegetable parchment—				
Tons	449	108	(3)	(3)
Value	$110,771	$35,717	(3)	$28,213
Kraft—				
Tons	7,066	15,362		
Value	$587,008	$1,373,404		
All other—			5,520	2,327
Tons	2,631	27,433	$506,314	$393,450
Value	$258,022	$2,427,407		
Boards:				
Pulp—				
Tons	36,349	39,388	19,047	44,461
Value	$1,913,108	$2,239,225	$1,113,577	$2,270,363
Leather—				
Tons	742	371	(4)	(4)
Value	$53,993	$33,763	(4)	(4)
Test liner—				
Tons	1,682	1,693	(4)	(4)
Value	$99,320	$123,398	(4)	(4)
Other—				
Tons	12,591	10,249	2,719	443
Value	$551,241	$531,768	$222,016	$38,914
Building and sheathing; felts and roofing:				
Tons	939	1,371	(3)	(3)
Value	$88,375	$128,946	(3)	(3)
Other paper, value	$570,229	$635,719	$1,810,312	$1,293,582

See footnotes at end of table

TABLE 9.—IMPORTS AND EXPORTS OF PAPER AND WOOD PULP, BY QUANTITY [1] AND VALUE: 1919 TO 1925 [2]—Continued

	1925	1923	1921	1919
IMPORTS—*continued*				
Wood pulp, total:				
Tons	1,491,988	1,234,465	697,100	636,016
Value	$81,864,308	$74,702,184	$39,396,240	$37,048,381
Mechanically ground:				
Unbleached—				
Tons	290,614	249,223	190,744	202,253
Value	$8,365,060	$8,536,686	$5,203,808	$5,117,316
Bleached—				
Tons	5,004	17,971		
Value	$152,056	$720,858		
Chemical:				
Unbleached—				
Sulphate—				
Tons	306,073	233,100	174,004	145,911
Value	$18,257,446	$15,187,296	$10,803,804	$9,084,537
Sulphite—				
Tons	584,715	461,953	233,064	239,952
Value	$31,517,419	$26,548,431	$14,149,454	$17,979,170
Bleached—				
Sulphate—				
Tons	17,419	16,155	4,082	5,145
Value	$989,933	$1,120,296	$231,114	$394,765
Sulphite—				
Tons	287,545	250,580	95,206	42,755
Value	$22,552,539	$22,245,805	$8,948,069	$4,472,593
Soda pulp, unbleached and bleached—				
Tons	618	5,483	(3)	(3)
Value	$29,855	$342,752	(3)	(3)
EXPORTS				
Total value [5]	$15,530,788	$14,613,441	$16,289,253	$43,367,744
Paper and paper boards, total value [6]	$13,089,676	$13,518,614	$14,534,614	$40,319,253
Standard newsprint:				
Tons	22,738	16,357	16,811	110,267
Value	$2,025,153	$1,636,937	$2,160,389	$10,091,951
Book:				
Tons	8,674	13,299	20,093	[6] 76,691
Value	$1,934,630	$3,001,149	$5,895,195	$10,109,055
Cover:				
Tons	807	599	(3)	(3)
Value	$230,779	$210,061	(3)	(3)
Writing:				
Tons	2,011	3,104	(3)	(3)
Value	$708,820	$1,045,911	(3)	(3)
Wrapping:				
Grease-proof and waterproof—				
Tons	1,058	820	(3)	(3)
Value	$281,780	$219,715	$133,134	(3)
Kraft—				
Tons	337	437	13,022	37,458
Value	$60,920	$79,737	$2,293,802	$6,664,462
Other—				
Tons	14,031	12,937		
Value	$2,112,109	$2,096,640		
Boards:				
Box board—				
Tons	11,241	(3)	(3)	(3)
Value	$796,089	(3)	(3)	(3)
Bristols and bristol board—				
Tons	566	938	(3)	(3)
Value	$129,557	$161,211	(3)	(3)
Paper board and strawboard—				
Tons	16,188	28,147	(3)	(3)
Value	$1,581,421	$2,678,145	$2,323,949	$4,604,048
Wall board—				
Tons	3,943	4,649	(3)	(3)
Value	$474,935	$611,548	$647,675	(3)

See footnotes at end of table

TABLE 9.—IMPORTS AND EXPORTS OF PAPER AND WOOD PULP, BY QUANTITY[1] AND VALUE: 1919 TO 1925[2]—Continued

	1925	1923	1921	1919
EXPORTS—continued				
Tissue:				
Tons	[7] 1,871	[7] 1,688		
Value	$958,483	$846,808		
Toilet:			(3)	(3)
Tons	2,522	2,316	$906,411	[7] $2,608,774
Value	$604,208	$545,176		
Paper towels and napkins:				
Tons	809	601	(3)	(3)
Value	$244,170	$205,692	$173,909	$180,963
Blotting:				
Tons	1,460	(3)	(3)	(3)
Value	$355,782	(3)	(3)	(3)
Sheathing and building:				
Tons	6,417	1,884	(3)	(3)
Value	$590,840	$179,884	(3)	(3)
Wood pulp, total:				
Tons	33,024	20,596	25,431	40,057
Value	$2,441,112	$1,094,827	$1,754,639	$3,048,491
Sulphite:				
Tons	22,675	14,675	(3)	(3)
Value	$1,302,004	$850,825	(3)	(3)
Soda:				
Tons	2,455	2,993	(3)	(3)
Value	$223,030	$87,291	(3)	(3)
Other:				
Tons	8,794	2,928	(3)	(3)
Value	$856,069	$156,711	(3)	(3)

[1] Quantities in tons of 2,000 pounds.
[2] Compiled from Foreign Commerce and Navigation of the United States, issued by the Department of Commerce. Imports, Vol. 2, Table 9; Exports, Vol. 1, Table 1.
[3] No data.
[4] Included in "Other boards."
[5] Not including value of certain paper-mill products not reported separately.
[6] Reported as "Other printing paper."
[7] Includes "Crêpe" paper.

TABLE 10.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Four of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	763	135,929	55	[1] 12,032	123,842	2,427,010
California	10	1,540	-------	155	1,385	19,494
Connecticut	35	2,479	2	269	2,208	31,207
Delaware	6	877	-------	62	815	7,016
Illinois	29	3,827	-------	327	3,500	50,025
Indiana	25	2,614	-------	186	2,428	35,771
Kansas	3	199	-------	19	180	3,194
Louisiana	8	1,631	-------	112	1,519	24,500
Maine	38	13,023	2	1,188	11,833	342,109
Maryland	12	1,961	-------	173	1,788	27,992
Massachusetts	84	14,328	5	1,408	12,915	153,230
Michigan	42	13,675	-------	1,168	12,507	179,432
Minnesota	9	2,767	-------	319	2,448	61,498
New Hampshire	25	5,365	-------	572	4,793	115,764
New Jersey	39	4,214	9	364	3,841	61,429
New York	156	18,594	18	1,692	16,884	485,049
Ohio	53	9,343	-------	814	8,529	109,316
Oregon	5	1,939	-------	150	1,789	61,334
Pennsylvania	59	10,507	10	923	9,574	148,738
Tennessee	4	585	-------	68	517	5,901
Vermont	17	1,526	4	135	1,387	40,179
Virginia	12	3,164	-------	277	2,887	43,038
Washington	8	2,381	-------	190	2,191	58,676
West Virginia	9	1,006	-------	90	916	16,190
Wisconsin	57	14,813	-------	1,108	13,705	288,633
All other States [2]	18	3,571	5	263	3,303	57,235

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $36,314,665	$160,145,932	$314,751	$605,860,286	[4] $971,882,320	$366,022,034
California	320,595	1,821,187	----------	7,541,190	13,409,367	5,868,177
Connecticut	848,715	2,909,306	48,959	11,384,669	18,160,641	6,775,972
Delaware	159,945	1,111,763	----------	4,181,007	6,004,453	1,823,446
Illinois	922,508	4,736,388	----------	25,196,049	36,721,318	11,525,269
Indiana	546,844	3,108,980	----------	14,728,289	21,853,822	7,125,533
Kansas	45,928	218,726	----------	973,795	1,663,845	690,050
Louisiana	232,566	1,616,445	----------	6,169,245	9,895,615	3,726,370
Maine	3,851,239	15,870,872	----------	54,202,737	95,570,544	41,367,807
Maryland	522,068	2,081,353	----------	9,392,337	13,394,779	4,002,442
Massachusetts	4,327,034	16,424,005	30,368	54,854,405	90,126,831	35,272,426
Michigan	3,481,727	16,493,887	58,177	56,395,348	91,149,648	34,754,300
Minnesota	743,246	3,304,406	78,883	12,639,952	20,320,392	7,680,440
New Hampshire	1,400,829	5,901,601	----------	24,995,714	37,060,824	12,065,110
New Jersey	1,289,225	5,388,020	----------	21,151,975	34,774,657	13,622,682
New York	5,028,254	23,067,984	860	88,326,181	141,396,762	53,070,581
Ohio	2,643,605	11,223,845	12,033	49,623,358	75,923,880	26,300,522
Oregon	407,456	2,151,945	----------	5,170,734	9,841,038	4,670,304
Pennsylvania	2,854,848	13,264,590	----------	50,649,400	80,156,077	29,506,677
Tennessee	163,370	601,387	----------	2,560,881	4,062,892	1,502,011
Vermont	328,741	1,814,246	----------	6,409,566	9,744,845	3,335,279
Virginia	1,127,741	2,811,548	----------	12,878,611	20,083,944	7,205,333
Washington	562,769	2,861,696	11,475	7,798,632	14,683,472	6,884,840
West Virginia	251,628	1,167,800	----------	4,720,690	6,707,495	1,986,805
Wisconsin	3,457,585	16,408,497	73,996	60,622,709	97,779,601	37,156,892
All other States [1]	796,099	3,785,455	----------	13,292,812	21,395,578	8,102,766

[1] Not including 1,799 salaried officers and employees of central administrative offices, with salaries aggregating $6,268,099. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 13,831 salaried officers and employees, and $42,582,764. (See "Central-administrative-office employees," p. 1193.)

[2] Alabama, 1 establishment; Colorado, 1; District of Columbia, 1; Georgia, 3; Iowa, 2; Mississippi, 1; North Carolina, 4; Rhode Island, 1; South Carolina, 2; and Texas, 2.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] See footnote 2, Table 5, p. 641.

PRINTING AND PUBLISHING AND RELATED INDUSTRIES

Relationship of the industries.—The printing and publishing industry embraces all establishments engaged in either printing or publishing. (See "Description of the industry," p. 653.) More or less closely allied to this industry are a number of others, namely, steel and copperplate engraving and plate printing, lithographing, bookbinding and blank-book making, wood engraving, photo-engraving, the manufacture of printing materials, stereotyping and electrotyping, and type founding. Statistics for the first three of these industries, which are the most important and most closely allied to the printing and publishing industry, are presented on pages 682 to 688, and combined statistics for printing and publishing and these three allied industries are given in the table on page 652.

Value of products.—The term "value of products," as applied to these industries, covers revenue from subscriptions, advertising, sales, and work done for others.

Duplication in value of products and value added by manufacture.—In this group of industries there is some duplication in the total value of products, as shown in the table on the following page, and in the printing and publishing industry there is duplication in both value of products and value added by manufacture, as shown in Tables 1 and 24. This duplication results from the fact that some publishers employ other establishments to do all or a part of their engraving, lithographing, printing, and bookbinding. The amounts paid for such work, which are reported by the publishing establishments under the head "Paid for contract work," appear as "Value of products" in the reports made by the lithographing, engraving, job-printing, and bookbinding establishments. The duplication appears not only in the total value of products but also in the value added by manufacture, which is calculated by subtracting the cost of materials (not including amounts paid for contract work) from the total value of products. If the combined amount paid in 1925 for contract work by all establishments in the four industries, $144,001,926, be subtracted from the combined value of products, $2,482,065,950, there remains approximately $2,338,000,000, which, with a further slight deduction for duplication due to the sale of products of certain establishments to others within the industrial group, would represent the net value of products. Similarly, the deduction of the amount paid for contract work by establishments in the printing and publishing industry alone, $138,872,030, from the total value of products for the industry, $2,269,638,230, leaves, in round millions $2,131,000,000, which amount approximates the net value of products for the industry; and the deduction of the contract-work item from the value added by manufacture, $1,659,579,534, leaves approximately $1,521,000,000 as the net value added by manufacture.

General Statistics for Printing and Publishing and Related Industries, for the United States: 1914 to 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

Year or period	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
Printing and Publishing and Related Industries Combined								
1925	22,725	296,324	$502,114,078	$144,001,926	$673,985,171	$2,482,065,950	$1,808,080,779	458,842
1923	22,122	291,029	459,856,468	122,716,002	647,975,244	2,222,537,120	1,574,561,876	405,194
1921	21,350	268,081	407,686,478	110,261,675	647,296,144	1,999,914,802	1,352,018,658	(3)
1919	32,476	287,278	331,519,423	87,087,115	571,510,277	1,699,789,229	1,128,278,952	[4] 361,124
1914	33,471	272,002	195,510,358	41,532,901	257,847,976	901,534,801	643,686,825	[4] 327,103
Per cent of increase or decrease (—):								
1923–1925	2.7	1.8	9.2	17.3	4.0	11.7	14.8	13.2
1921–1923	1.2	8.6	12.8	11.3	.1	11.1	16.4	--------
1921–1925	4.0	10.5	23.2	30.6	4.1	24.1	33.7	--------
1914–1925	—32.1	8.9	156.8	246.7	161.4	175.3	180.9	40.3
Printing and Publishing								
1925	21,056	251,272	$433,832,974	$138,872,030	$610,058,690	$2,269,638,230	$1,659,579,534	408,308
1923	20,452	246,455	399,387,583	117,950,134	585,935,675	2,021,355,739	1,435,420,064	357,048
1921	20,318	229,430	356,670,960	106,857,187	589,279,172	1,827,809,475	1,238,530,303	(3)
1919	30,511	244,285	286,751,404	85,733,251	513,576,142	1,536,408,283	1,022,832,141	[4] 326,184
1914	31,612	228,369	167,547,933	40,181,006	226,582,080	810,508,075	583,925,995	[4] 295,567
Per cent of increase or decrease (—):								
1923–1925	3.0	2.0	9.9	17.7	4.1	12.3	15.6	14.4
1921–1923	.7	7.4	12.0	10.4	—.6	10.6	15.9	--------
1921–1925	3.6	9.5	23.0	30.0	3.5	24.2	34.0	--------
1914–1925	—33.4	10.0	161.9	245.6	169.2	180.0	184.2	38.1
Related Industries [5]								
1925	1,669	45,052	$63,281,104	$5,129,896	$63,926,475	$212,427,720	$148,501,245	50,534
1923	1,670	44,574	60,468,875	4,765,868	62,039,569	201,181,381	139,141,812	48,146
1921	1,532	38,592	51,015,518	3,404,488	58,016,972	172,105,327	114,088,355	(3)
1919	1,865	42,993	44,768,019	1,953,864	57,934,135	163,380,946	105,446,811	[4] 34,940
1914	1,859	43,723	27,962,426	1,351,895	31,265,896	91,026,726	59,760,830	[4] 31,536
Per cent of increase or decrease (—):								
1923–1925	—0.1	1.1	4.7	7.6	3.0	5.6	6.7	5.0
1921–1923	9.0	15.5	18.5	40.0	6.9	16.9	22.0	--------
1921–1925	8.9	16.7	24.0	50.7	10.2	23.4	30.2	--------
1914–1925	—10.2	3.0	126.3	279.5	104.5	133.4	148.5	60.2

[1] Including also fuel, electric power, and mill supplies.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric.
[5] "Bookbinding and blank-book making"; "Engraving, steel and copperplate, and plate printing"; and "Lithographing."

PRINTING AND PUBLISHING

[Preliminary reports for this industry were published as follows: Music, November 27, 1926; Book and job, and newspaper and periodical, February 14, 1927]

Description of the industry.—The printing and publishing industry comprises three branches: (1) Book and job, (2) music, and (3) newspaper and periodical. Establishments classified in the first branch are engaged primarily in job printing, machine composition for other establishments, book printing and publishing, or book publishing only; those in the second branch, in music printing and publishing, or music publishing only; and those in the third branch, in the printing and publishing, or the publishing only, of newspapers and periodicals. An exception to the general rule of classification on the basis of products of chief value (see "Classification by industries," p. 6) is made in the case of establishments engaged in the publishing of newspapers and periodicals, all of which, including those whose income is derived mainly from other sources, are classified in the newspaper-and-periodical branch.

Some of the establishments are engaged solely in the publication of books, music, or periodicals printed by others, and maintain no manufacturing plants and perform no manufacturing processes of any kind. It has been necessary, however, to treat such establishments as within the industry in order to make a complete statistical presentation for it.

Secondary products.—As explained elsewhere (see "Classification by industries," p. 6), the output of each industry includes certain minor products different from those covered by the industry designation, but does not include products which normally belong to the industry but are made by establishments engaged primarily in other lines of manufacture. The same is true of the several branches of the printing and publishing industry. To illustrate: An establishment engaged primarily in book and job printing may also publish considerable music, and one whose chief business is the printing and publication of newspapers and periodicals may also do job printing. Thus there is considerable overlapping among the several branches of the industry, and for this reason the total values of the several classes of products as given in Tables 4 et seq. are not identical with the total values of all products shown for the corresponding branches of the industry, as given in Table 1. The figures in Tables 4 to 23, inclusive, relate in most cases to the industry as a whole and not to the branches separately.

Number of publications and aggregate circulation per issue.—In calculating the number of newspapers, as shown in Table 10 and elsewhere, morning, evening, and Sunday editions of the same newspaper are counted separately. Thus every daily paper which publishes a Sunday edition counts as two in the total, and every daily which publishes morning, evening, and Sunday editions counts as three. The "aggregate circulation per issue" is calculated, for each class of publications, by totalizing the returns for average circulation per issue as made for individual publications.

TABLE 1.—SUMMARY FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
THE INDUSTRY AS A WHOLE								
1925	21,056	251,272	$438,832,974	$138,872,030	$610,058,696	$2,269,038,230	$1,659,579,534	408,308
1923	20,452	240,455	399,387,583	117,950,134	585,935,675	2,021,355,739	1,435,420,064	357,018
1921	20,318	229,489	356,670,960	106,867,187	589,279,172	1,827,809,475	1,238,530,303	(3)
1919	30,611	244,285	286,751,404	85,733,251	513,576,142	1,536,408,283	1,022,832,141	[4] 326,184
1914	31,612	228,369	167,547,933	40,181,006	226,582,080	810,508,075	583,925,995	[4] 295,567
Per cent of increase or decrease (−):								
1923–1925	3.0	2.0	9.9	17.7	4.1	12.3	15.6	14.4
1921–1923	.7	7.4	12.0	10.4	−.6	10.6	15.9	--------
1921–1925	3.6	9.5	23.0	30.0	3.5	24.2	34.0	--------
1914–1925	−33.4	10.0	161.9	245.5	169.2	180.0	184.2	38.1
BOOK AND JOB								
1925	10,322	133,316	$219,830,346	$50,531,031	$228,689,864	$806,887,417	$578,197,553	169,288
1923	10,075	129,890	201,216,502	39,125,646	220,203,014	738,227,363	518,024,349	152,363
1921	9,768	121,055	181,065,572	38,544,455	216,138,568	690,074,975	473,936,407	(3)
1919	13,089	123,005	141,476,243	32,243,303	211,067,174	597,663,228	386,596,054	[4] 131,476
1914	12,115	113,121	78,413,700	17,658,478	96,453,232	307,330,861	210,877,629	[4] 113,210
Per cent of increase or decrease (−):								
1923–1925	2.4	2.6	9.2	29.1	3.8	9.3	11.6	11.1
1921–1923	3.2	7.3	11.1	1.5	1.9	7.0	9.3	--------
1921–1925	5.8	10.1	21.4	31.1	5.8	16.9	22.0	--------
1914–1925	−14.8	17.9	180.3	186.2	137.1	162.5	174.2	49.5
MUSIC								
1925	109	955	$1,461,661	$2,763,429	$1,828,230	$15,089,636	$13,261,406	1,363
1923	110	919	1,366,756	3,050,499	2,252,830	14,626,810	12,373,980	1,231
1921	107	900	1,246,863	3,055,930	2,016,311	14,024,672	12,008,361	(3)
1919	160	899	926,988	2,713,899	2,123,781	14,592,177	12,468,396	634
1914	180	873	572,985	1,561,812	1,046,630	7,271,266	6,224,636	594
Per cent of increase or decrease (−):								
1923–1925	−0.9	3.9	6.9	−9.4	−18.8	3.2	7.2	10.7
1921–1923	2.8	2.1	9.6	−.2	11.7	4.3	3.0	--------
1921–1925	1.9	6.1	17.2	−9.6	−9.3	7.6	10.4	--------
1914–1925	−39.4	9.4	155.1	76.9	74.7	107.5	113.0	129.5
NEWSPAPER AND PERIODICAL								
1925	10,625	117,001	$217,540,967	$85,577,570	$379,540,602	$1,447,661,177	$1,068,120,575	237,662
1923	10,267	115,646	196,804,325	75,773,989	363,479,831	1,268,501,556	905,021,735	203,454
1921	10,453	107,534	174,358,525	65,256,802	371,124,293	1,123,709,828	752,585,535	(3)
1919	17,362	120,381	144,348,173	50,776,049	300,385,187	924,152,878	623,767,691	[4] 194,074
1914	19,317	114,375	88,561,248	20,960,716	129,082,218	495,905,948	366,823,730	[4] 181,763
Per cent of increase or decrease (−):								
1923–1925	3.5	1.2	10.5	12.9	4.4	14.1	18.0	16.8
1921–1923	−1.8	7.5	12.9	16.1	−2.1	12.9	20.3	--------
1921–1925	1.6	8.8	24.8	31.1	2.3	28.8	41.9	--------
1914–1925	−45.0	2.3	145.6	308.3	194.0	191.9	191.2	30.8

[1] Including also fuel, electric power, and mill supplies.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric. (See footnote 1, Table 3, p. 658.)

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRY AND ITS BRANCHES FOR THE UNITED STATES, 1919 TO 1925, AND FOR BRANCHES, FOR SELECTED STATES, 1925

BRANCH OF INDUSTRY AND STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
THE INDUSTRY AS A WHOLE							
United States:							
1925 [1]	251,272	251,525	251,185	251,220	249,975	250,095	247,151
1923 [1]	240,455	244,338	245,400	245,093	245,262	245,726	244,580
1921 [1]	229,489	234,845	233,436	231,269	228,462	*221,702*	224,015
1919 [1]	244,285	*255,883*	237,758	239,693	239,880	241,222	242,809
BOOK AND JOB							
United States:							
1925 [1]	133,316	134,870	134,696	134,024	132,810	132,495	*130,398*
1923 [1]	129,890	129,202	129,804	129,588	129,308	129,444	*128,481*
1921 [1]	121,055	125,522	124,506	122,445	120,175	*114,340*	116,905
1919 [1]	123,005	*119,117*	119,993	120,294	120,266	120,515	121,811
California	5,355	5,347	5,308	5,434	5,373	5,365	5,235
Connecticut	1,714	1,728	1,715	1,717	1,710	1,719	1,699
District of Columbia	1,198	1,185	1,202	1,199	1,222	1,204	1,179
Georgia	1,305	1,300	1,322	1,321	1,304	1,313	1,290
Illinois	24,575	25,784	25,623	24,281	23,271	23,834	23,353
Indiana	3,020	2,890	2,877	2,985	3,018	3,090	3,060
Iowa	1,270	1,262	1,262	1,288	1,283	1,271	1,222
Kentucky	1,433	1,454	1,455	1,444	1,421	1,424	1,422
Maryland	2,389	2,380	2,416	2,417	2,388	2,389	2,355
Massachusetts	8,765	9,057	9,141	9,267	9,306	8,648	8,666
Michigan	4,290	4,171	4,209	4,304	4,261	4,300	4,263
Minnesota	2,852	2,865	2,877	2,907	2,886	2,863	2,810
Missouri	5,074	5,165	5,089	5,098	4,984	5,047	4,926
New Jersey	3,806	3,710	3,691	3,685	3,718	3,869	3,908
New York	26,861	27,224	27,321	27,299	27,196	26,690	26,107
Ohio	9,250	9,277	9,118	9,186	9,276	9,348	9,295
Pennsylvania	10,866	10,877	10,817	10,934	10,946	10,838	10,751
Tennessee	1,364	1,356	1,338	1,347	1,344	1,360	1,346
Texas	1,985	1,957	2,001	1,973	1,991	2,024	1,933
Virginia	1,645	1,642	1,640	1,637	1,640	1,633	1,623
Wisconsin	2,438	2,369	2,424	2,461	2,448	2,432	2,430
MUSIC							
United States:							
1925 [1]	955	965	967	970	953	946	*924*
1923 [1]	919	908	913	931	912	904	*900*
1921 [1]	900	*873*	890	907	910	895	895
1919 [1]	899	*840*	863	850	890	909	920
Illinois	105	102	104	102	105	106	104
Massachusetts	127	123	125	130	123	126	122
New York	419	433	435	436	424	419	406
Pennsylvania	152	147	147	149	152	152	152
NEWSPAPER AND PERIODICAL							
United States:							
1925 [1]	117,001	115,690	115,522	116,226	116,212	116,654	115,829
1923 [1]	115,646	114,228	114,683	115,174	115,042	115,378	115,199
1921 [1]	107,534	108,450	108,040	107,917	107,377	106,467	106,215
1919 [1]	120,381	*115,926*	116,902	118,549	118,724	119,798	120,078
California	5,817	5,809	5,811	5,831	5,809	5,812	5,784
Connecticut	1,994	1,974	1,964	1,992	1,992	1,994	1,978
District of Columbia	1,118	1,161	1,181	1,148	1,157	1,125	1,081
Florida	1,933	1,694	1,726	1,764	1,743	1,691	1,679
Georgia	1,292	1,290	1,287	1,307	1,303	1,292	1,297
Illinois	10,287	10,212	10,234	10,373	10,295	10,266	10,224
Indiana	3,248	3,276	3,261	3,270	3,287	3,256	3,196
Iowa	2,929	2,969	2,996	3,038	2,974	2,938	2,861
Kansas	1,636	1,651	1,632	1,633	1,640	1,622	1,621
Kentucky	1,160	1,137	1,147	1,164	1,167	1,163	1,163

See footnote at end of table

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES, 1919 TO 1925, AND FOR BRANCHES, FOR SELECTED STATES, 1925—Continued

BRANCH OF INDUSTRY AND STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
NEWSPAPER AND PERIODICAL—continued							
Maryland	1,292	1,269	1,257	1,260	1,279	1,293	1,302
Massachusetts	5,339	4,948	4,928	4,921	4,996	5,612	5,554
Michigan	3,495	3,458	3,461	3,461	3,466	3,468	3,498
Minnesota	2,840	2,862	2,839	2,845	2,836	2,859	2,857
Missouri	3,966	3,925	3,930	3,953	3,987	3,910	3,924
Nebraska	1,297	1,299	1,301	1,309	1,297	1,299	1,290
New Jersey	2,937	2,854	2,865	2,884	2,906	2,916	2,946
New York	20,138	20,049	19,940	20,128	20,115	20,092	20,029
Ohio	8,578	8,497	8,501	8,579	8,557	8,558	8,420
Oklahoma	1,333	1,301	1,307	1,316	1,328	1,334	1,323
Oregon	1,172	1,141	1,144	1,146	1,168	1,173	1,138
Pennsylvania	13,017	12,921	12,756	12,805	12,868	12,824	12,641
Tennessee	1,575	1,576	1,574	1,583	1,522	1,573	1,590
Texas	2,909	2,852	2,847	2,875	2,878	2,877	2,845
Washington	1,652	1,595	1,619	1,627	1,632	1,652	1,648
Wisconsin	2,560	2,544	2,536	2,555	2,564	2,559	2,548

BRANCH OF INDUSTRY AND STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
THE INDUSTRY AS A WHOLE						
United States:						
1925 [1]	246,749	247,753	250,241	253,640	256,270	259,471
1923 [1]	243,941	243,100	246,087	248,286	251,075	253,976
1921 [1]	225,317	226,940	228,471	230,158	233,171	236,072
1919 [1]	244,744	247,514	249,651	243,134	248,468	260,664
BOOK AND JOB						
United States:						
1925 [1]	130,874	131,848	132,287	133,642	135,008	136,847
1923 [1]	129,159	129,015	129,649	129,974	131,501	133,487
1921 [1]	118,881	120,360	120,729	121,203	122,791	124,799
1919 [1]	123,230	125,111	126,470	121,000	124,512	133,741
California	5,127	5,165	5,387	5,389	5,482	5,639
Connecticut	1,685	1,680	1,680	1,716	1,732	1,779
District of Columbia	1,122	1,188	1,154	1,217	1,254	1,241
Georgia	1,246	1,280	1,289	1,312	1,357	1,320
Illinois	24,853	25,015	24,278	24,258	24,158	25,293
Indiana	3,049	3,059	3,057	3,076	3,068	3,022
Iowa	1,205	1,230	1,264	1,291	1,326	1,339
Kentucky	1,412	1,409	1,429	1,437	1,441	1,447
Maryland	2,357	2,332	2,407	2,412	2,409	2,400
Massachusetts	8,463	8,348	8,514	8,537	8,598	8,643
Michigan	4,205	4,203	4,330	4,386	4,378	4,462
Minnesota	2,799	2,788	2,830	2,857	2,836	2,898
Missouri	4,886	4,919	5,104	5,141	5,228	5,298
New Jersey	3,904	3,700	3,645	3,711	4,030	4,106
New York	25,793	25,975	26,567	26,995	27,570	27,596
Ohio	9,143	9,095	9,140	9,305	9,370	9,454
Pennsylvania	10,707	10,649	10,876	11,000	11,000	11,005
Tennessee	1,341	1,340	1,368	1,385	1,416	1,423
Texas	1,982	1,979	2,000	2,015	1,984	1,977
Virginia	1,621	1,616	1,642	1,657	1,685	1,703
Wisconsin	2,397	2,392	2,419	2,458	2,521	2,499

See footnote at end of table

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES, 1919 TO 1925, AND FOR BRANCHES, FOR SELECTED STATES, 1925—Continued

BRANCH OF INDUSTRY AND STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
MUSIC						
United States:						
1925 [1]	925	932	947	972	973	985
1923 [1]	901	910	924	932	951	946
1921 [1]	880	893	912	913	908	918
1919 [1]	897	892	902	919	950	956
Illinois	102	101	104	110	107	119
Massachusetts	133	134	127	127	124	130
New York	401	403	406	417	424	422
Pennsylvania	150	150	155	155	156	154
NEWSPAPER AND PERIODICAL						
United States:						
1925 [1]	*114,950*	114,973	117,007	119,026	120,289	121,639
1923 [1]	113,881	*113,175*	115,514	117,380	118,533	119,563
1921 [1]	*105,556*	105,687	106,830	108,042	109,472	110,355
1919 [1]	120,617	121,511	122,279	121,215	123,006	125,967
California	5,708	5,687	5,748	5,871	5,915	6,025
Connecticut	1,008	1,983	2,009	2,017	2,014	2,045
District of Columbia	1,080	1,070	1,075	1,109	1,109	1,116
Florida	1,811	1,870	1,998	2,246	2,428	2,541
Georgia	1,279	1,273	1,286	1,289	1,294	1,310
Illinois	10,174	10,114	10,302	10,425	10,400	10,421
Indiana	3,191	3,164	3,217	3,247	3,292	3,320
Iowa	2,806	2,853	2,900	2,919	2,933	2,964
Kansas	1,594	1,614	1,642	1,635	1,670	1,681
Kentucky	1,161	1,142	1,158	1,158	1,178	1,180
Maryland	1,267	1,267	1,298	1,323	1,341	1,346
Massachusetts	5,389	5,364	5,486	5,566	5,634	5,674
Michigan	3,455	3,447	3,486	3,572	3,582	3,592
Minnesota	2,786	2,795	2,817	2,836	2,870	2,876
Missouri	3,887	3,909	4,004	4,005	4,069	4,085
Nebraska	1,280	1,290	1,295	1,301	1,301	1,305
New Jersey	2,912	2,923	2,956	2,996	3,029	3,056
New York	19,628	19,747	19,987	20,426	20,543	20,971
Ohio	8,403	8,429	8,633	8,735	8,768	8,853
Oklahoma	1,327	1,315	1,348	1,366	1,356	1,381
Oregon	1,150	1,150	1,186	1,219	1,215	1,232
Pennsylvania	12,724	12,715	13,054	13,394	13,751	13,755
Tennessee	1,583	1,583	1,578	1,530	1,572	1,629
Texas	2,849	2,846	2,912	2,985	3,036	3,106
Washington	1,655	1,619	1,642	1,694	1,704	1,735
Wisconsin	2,545	2,503	2,548	2,582	2,609	2,633

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: "The industry as a whole," 1925, 95.1; 1923, 95.7; 1921, 93.9; 1919, 90.5. Book and job, 1925, 95.3; 1923, 96.3; 1921, 91.1; 1919, 89.1. Music, 1925, 93.8; 1923, 94.6; 1921, 95.1; 1919, 87.9. Newspaper and periodical, 1925, 94.5; 1923, 94.7; 1921, 95.7; 1919, 92.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE INDUSTRY AND ITS BRANCHES FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Capacity	Number	Capacity	Number	Capacity
THE INDUSTRY AS A WHOLE		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	160,976	408,308	141,027	357,048	120,877	[1] 326,184
Steam engines	174	33,993	364	33,420	351	38,036
Steam turbines	10	635			19	895
Internal-combustion engines	617	4,511	935	6,273	4,329	16,384
Water wheels and turbines	62	251	73	405	[2] 186	[2] 859
Electric motors driven by purchased current	160,113	368,918	139,655	316,950	115,992	270,010
Electric motors, total	166,599	391,286	146,076	340,846	123,533	297,149
Driven by purchased current	160,113	368,918	139,655	316,950	115,992	270,010
Driven by current generated in establishment reporting	6,486	22,368	6,421	23,896	7,541	27,139
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	253	21,578	(3)	(3)	(3)	(3)
BOOK AND JOB		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	91,377	169,283	81,334	152,363	67,300	[1] 131,476
Steam engines	94	14,445	133	10,522	133	13,337
Steam turbines	1	30			8	528
Internal-combustion engines	58	1,110	132	1,481	400	3,095
Water wheels and turbines	6	5			[2] 26	[2] 75
Electric motors driven by purchased current	91,218	153,693	81,069	140,360	66,733	114,441
Electric motors, total	94,285	162,270	83,732	148,661	69,665	123,837
Driven by purchased current	91,218	153,693	81,069	140,360	66,733	114,441
Driven by current generated in establishment reporting	3,067	8,577	2,663	8,301	2,932	9,396
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	64	6,568	(3)	(3)	(3)	(3)
MUSIC		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	300	1,363	264	1,231	274	634
Steam engines	2	250	2	250		
Steam turbines						
Internal-combustion engines	1	120	2	130	2	12
Water wheels and turbines						
Electric motors driven by purchased current	297	993	260	851	272	622
Electric motors, total	340	1,208	310	1,111	272	622
Driven by purchased current	297	993	260	851	272	622
Driven by current generated in establishment reporting	43	215	50	260		
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	3	275	(3)	(3)	(3)	(3)
NEWSPAPER AND PERIODICAL		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	69,299	237,662	59,429	203,454	53,303	[1] 194,074
Steam engines	78	19,298	229	22,648	218	24,699
Steam turbines	9	605			11	367
Internal-combustion engines	558	3,281	801	4,662	3,927	13,277
Water wheels and turbines	56	246	73	405	[2] 160	[2] 784
Electric motors driven by purchased current	68,598	214,232	58,326	175,739	48,987	154,947
Electric motors, total	71,974	227,808	62,034	191,074	53,596	172,690
Driven by purchased current	68,598	214,232	58,326	175,739	48,987	154,947
Driven by current generated in establishment reporting	3,376	13,576	3,708	15,335	4,609	17,743
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	186	14,735	(3)	(3)	(3)	(3)

[1] This total differs from that given in the report for 1919 because of the exclusion here and the inclusion in the 1919 report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

[2] Includes data for a small number of water motors.

[3] Not called for on schedule.

TABLE 4.—PRODUCTS, BY CLASS AND VALUE, FOR THE INDUSTRY AS A WHOLE: 1925, 1923, AND 1921

CLASS	1925	1923	1921	PER CENT OF INCREASE OR DECREASE (—)		
				1921–1925	1923–1925	1921–1923
Number of establishments	21,056	20,452	20,318	3.6	3.0	0.7
Book and job	10,322	10,075	9,758	5.8	2.5	3.2
Music	109	110	107	1.9	—.9	2.8
Newspaper and periodical	10,625	10,267	10,453	1.6	3.5	—1.8
Products, total value	$2,269,638,230	$2,021,355,739	$1,827,809,475	24.2	12.3	10.6
Newspapers and periodicals, printed and published, or published only	1,321,610,733	1,154,786,177	1,005,270,255	31.5	14.4	14.9
Subscriptions and sales	398,338,060	360,892,708	328,283,545	21.3	10.4	9.9
Advertising	923,272,673	793,893,469	676,986,710	36.4	16.3	17.3
Newspapers	892,094,122	803,497,387	734,321,115	21.5	11.0	9.4
Subscriptions and sales	230,580,880	222,559,646	212,635,632	8.4	3.6	4.7
Advertising	661,513,242	580,937,741	521,685,483	26.8	13.9	11.4
Periodicals other than newspapers	429,516,611	351,288,790	270,949,140	58.5	22.3	29.7
Subscriptions and sales	167,757,180	138,333,062	115,647,913	45.1	21.3	19.6
Advertising	261,759,431	212,955,728	155,301,227	68.5	22.9	37.1
Books and pamphlets printed and published, or published only	154,991,493	135,278,737	126,255,572	22.8	14.6	7.1
Commercial printing, total [1]	773,141,943	703,134,978	649,920,497	19.0	10.0	8.2
General job printing	669,937,423	623,046,840	574,212,279	16.7	7.5	8.5
Newspapers and periodicals printed for publication by others [1]	56,488,175	36,892,993	35,300,992	60.0	53.1	4.5
Books and pamphlets printed for publication by others [1]	46,716,345	43,195,145	40,407,226	15.6	8.2	6.9
Sheet music and books of music	14,133,306	14,163,414	14,293,132	—1.1	—.2	—.9
All other products	5,760,755	13,992,433	32,070,019	—82.0	—58.8	—56.4

[1] The inclusion of the items for "Newspapers and periodicals printed for publication by others" and "Books and pamphlets printed for publication by others" results in duplication in the 1925 total value of products to the amount of $103,204,520, in the 1923 total to the amount of $80,088,138, and in the 1921 total to the amount of $75,708,218. These items represent amounts paid by publishers for work done for them by printing establishments operated by others, and consequently enter into the production cost of the newspapers and periodicals and the books and pamphlets published but not printed by the same establishments. They are covered by the values of products and the receipts for advertising reported by establishments engaged in publishing only.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, BY GEOGRAPHIC DIVISIONS AND STATES: 1925

DIVISION AND STATE	Number of establishments	Total value	NEWSPAPERS		PERIODICALS	
			Printed and published, or published only		Printed and published, or published only	
			Subscriptions and sales	Advertisements	Subscriptions and sales	Advertisements
UNITED STATES	21,056	[1] $2,269,638,230	$230,580,880	$661,513,242	$167,757,180	$261,759,431
NEW ENGLAND	1,538	177,734,578	19,788,135	51,755,548	9,823,738	11,833,848
Maine	103	8,198,266	910,894	2,279,389	1,255,471	1,579,308
New Hampshire	81	3,994,602	335,193	1,067,294	61,108	81,217
Vermont	62	2,585,555	321,397	857,926	22,774	38,835
Massachusetts	951	125,176,183	14,374,982	34,730,464	6,655,342	5,474,595
Rhode Island	91	9,855,607	1,176,276	4,534,572	27,183	143,290
Connecticut	250	27,924,365	2,669,393	8,285,903	1,801,910	4,516,603
MIDDLE ATLANTIC	5,173	837,558,726	74,218,840	184,057,244	92,270,042	161,479,490
New York	3,063	557,281,408	48,880,210	108,978,770	76,665,649	89,199,630
New Jersey	530	46,110,514	3,732,965	18,159,763	359,023	369,972
Pennsylvania	1,580	234,166,804	21,605,665	56,918,711	15,245,370	71,909,897
EAST NORTH CENTRAL	5,061	617,002,046	57,605,530	164,785,201	42,670,046	53,881,703
Ohio	1,171	158,618,920	13,384,640	45,458,474	15,744,812	20,776,019
Indiana	541	43,208,060	4,885,796	15,467,804	2,356,593	2,701,634
Illinois	2,018	306,846,526	25,767,746	63,048,022	21,464,706	26,683,488
Michigan	771	71,739,000	8,615,966	28,611,537	2,158,870	1,991,419
Wisconsin	560	36,589,540	4,951,382	12,199,364	945,065	1,729,143
WEST NORTH CENTRAL	2,966	186,790,108	22,678,378	66,607,966	7,068,649	13,393,516
Minnesota	615	43,628,686	4,830,210	14,306,123	1,885,974	2,815,816
Iowa	613	30,947,546	4,341,571	10,847,273	1,287,854	4,621,555
Missouri	788	72,949,371	8,012,893	26,696,429	2,417,966	2,930,757
North Dakota	105	2,968,946	503,316	1,227,073	24,249	15,000
South Dakota	138	3,632,269	558,201	1,377,517	121,363	242,926
Nebraska	335	15,915,880	2,298,797	5,800,377	553,042	698,804
Kansas	372	16,747,410	2,133,390	6,347,174	778,201	2,068,658
SOUTH ATLANTIC	1,671	142,966,489	15,464,225	59,789,092	8,455,951	6,695,520
Delaware	31	1,921,752	232,009	922,629	51,790	27,833
Maryland	265	28,087,416	2,602,990	9,306,485	463,529	898,680
Dist. of Columbia	173	26,873,537	2,143,526	7,799,543	6,734,598	3,398,115
Virginia	235	16,194,445	1,633,939	5,700,022	599,110	295,059
West Virginia	153	7,473,490	1,337,753	3,862,290	21,533	27,686
North Carolina	218	11,000,430	1,744,171	5,052,165	125,347	188,496
South Carolina	102	4,643,813	866,945	1,971,184	49,752	33,557
Georgia	251	18,739,735	3,026,537	6,759,358	360,072	1,495,032
Florida	243	28,031,871	1,876,355	18,415,416	50,220	331,162
EAST SOUTH CENTRAL	754	51,274,011	6,191,640	19,666,157	3,586,923	2,309,712
Kentucky	245	15,825,599	2,071,929	5,921,697	392,037	579,046
Tennessee	227	21,404,448	2,253,607	7,485,049	2,625,182	871,483
Alabama	168	10,788,680	1,483,408	4,840,922	555,704	355,933
Mississippi	114	3,255,284	382,696	1,418,489	14,000	3,250
WEST SOUTH CENTRAL	1,232	70,178,662	9,402,301	32,662,701	1,145,420	3,201,320
Arkansas	148	6,029,537	769,412	2,504,184	83,597	77,275
Louisiana	167	12,514,897	1,767,179	5,708,338	139,435	389,033
Oklahoma	281	13,488,359	1,853,810	6,520,078	361,851	1,036,323
Texas	636	38,145,869	5,011,900	17,930,101	560,537	1,698,689
MOUNTAIN	698	32,995,038	4,492,766	14,907,239	452,514	567,175
Montana	113	4,266,513	810,104	1,808,619	12,316	28,193
Idaho	87	2,436,292	403,933	1,074,632	5,200	5,660
Wyoming	49	1,430,295	166,172	741,833	4,029	26,020
Colorado	253	15,614,544	1,784,724	6,960,998	221,711	352,072
New Mexico	40	1,025,645	147,455	477,483	3,636	15,694
Arizona	53	2,767,734	355,199	1,416,470	11,307	55,044
Utah	76	4,704,532	697,876	2,087,283	194,315	84,492
Nevada	27	749,483	127,303	339,921	----------	----------
PACIFIC	1,963	153,138,572	20,739,065	67,282,094	2,283,897	8,397,138
Washington	396	22,893,588	3,532,092	10,816,953	220,257	1,010,010
Oregon	241	14,539,711	1,838,378	6,649,467	382,683	887,739
California	1,326	115,705,273	15,368,595	49,815,674	1,680,957	6,499,389

[1] In addition, printing and publishing to the value of $9,400,518 was reported by establishments classified in other industries.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, BY GEOGRAPHIC DIVISIONS AND STATES: 1925—Continued

DIVISION AND STATE	Books and pamphlets printed and published, or published only	Sheet music and books of music	COMMERCIAL PRINTING.			All other products
			Newspapers and periodicals printed for publication by others	Books and pamphlets printed for publication by others	General job printing	
UNITED STATES	$154,991,493	$14,133,306	$56,488,175	$46,716,345	$669,937,423	$5,760,755
NEW ENGLAND	23,746,017	1,545,630	5,690,101	5,482,654	48,003,649	65,258
Maine	76,492	----------	29,370	124,229	1,940,550	2,563
New Hampshire	18,500	----------	1,104,112	262,197	1,064,327	654
Vermont	8,534	----------	41,575	164,244	1,130,208	62
Massachusetts	23,209,658	1,532,349	4,298,165	4,278,717	30,601,591	20,320
Rhode Island	4,140	2,500	10,274	32,158	3,919,264	6,000
Connecticut	428,693	10,781	206,605	621,109	9,347,709	35,659
MIDDLE ATLANTIC	80,201,850	8,756,849	22,626,441	19,790,799	193,022,241	1,134,921
New York	67,780,279	8,332,133	18,119,221	14,742,513	124,012,919	570,084
New Jersey	1,576,584	17,458	2,541,833	1,947,675	17,256,753	148,488
Pennsylvania	10,844,987	407,258	1,965,387	3,100,611	51,752,569	416,349
EAST NORTH CENTRAL	39,339,155	2,499,146	18,706,373	13,206,881	221,729,936	2,578,075
Ohio	5,285,154	982,012	2,125,287	995,424	52,900,391	966,707
Indiana	1,788,072	1,599	1,299,530	334,077	14,320,643	52,312
Illinois	30,769,779	1,430,949	13,830,389	9,366,903	113,414,119	1,070,425
Michigan	582,503	84,586	741,230	2,015,535	26,779,318	158,036
Wisconsin	913,647	----------	709,937	494,942	14,315,465	330,595
WEST NORTH CENTRAL	5,274,456	541,639	2,527,795	1,350,731	66,465,713	881,265
Minnesota	2,738,973	584	763,917	612,177	15,497,770	177,142
Iowa	301,790	43,610	402,992	114,330	8,982,743	3,828
Missouri	1,677,986	483,855	658,450	482,988	29,050,337	537,710
North Dakota	----------	----------	27,671	1,800	1,169,837	----------
South Dakota	21,397	----------	165,200	17,105	1,126,899	1,661
Nebraska	176,400	13,590	333,328	106,544	5,824,593	104,405
Kansas	357,910	----------	176,237	15,787	4,813,534	56,519
SOUTH ATLANTIC	2,446,557	74,894	2,033,701	3,630,394	43,815,884	560,271
Delaware	10,000	----------	16,368	93,873	567,250	----------
Maryland	965,806	20,598	695,468	1,268,323	11,700,070	165,567
Dist. of Columbia	709,801	----------	401,734	670,707	5,015,513	----------
Virginia	175,402	13,000	213,345	445,568	7,066,310	52,690
West Virginia	8,569	----------	9,832	87,422	2,118,405	----------
North Carolina	182,095	----------	61,358	182,684	3,337,027	127,087
South Carolina	4,739	----------	43,845	14,488	1,652,215	7,088
Georgia	167,963	41,296	415,074	754,470	5,578,793	141,140
Florida	222,182	----------	176,677	112,859	6,780,301	66,699
EAST SOUTH CENTRAL	806,602	318,209	900,697	587,328	16,897,604	9,139
Kentucky	123,025	309,808	40,885	1,028	6,386,144	----------
Tennessee	594,442	8,401	705,483	400,069	6,460,732	----------
Alabama	81,830	----------	99,762	117,543	2,744,439	9,139
Mississippi	7,305	----------	54,567	68,688	1,306,289	----------
WEST SOUTH CENTRAL	595,848	105,808	760,863	751,468	21,409,993	142,940
Arkansas	15,352	23,872	127,318	88,004	2,340,223	300
Louisiana	126,081	----------	120,514	118,966	4,145,247	104
Oklahoma	52,259	1,800	219,462	99,460	3,337,730	5,596
Texas	402,156	80,136	293,579	445,038	11,586,793	136,940
MOUNTAIN	236,725	----------	585,359	143,705	11,426,590	182,965
Montana	45,764	----------	24,464	8,410	1,527,923	720
Idaho	275	----------	12,026	180	921,544	13,442
Wyoming	----------	----------	1,030	3,911	485,999	1,301
Colorado	101,643	----------	384,427	93,899	5,547,050	167,420
New Mexico	----------	----------	40,165	5,356	335,856	----------
Arizona	----------	----------	86,320	2,715	840,597	82
Utah	89,043	----------	28,135	15,071	1,508,317	----------
Nevada	----------	----------	8,792	14,163	259,304	----------
PACIFIC	2,344,283	291,131	2,656,845	1,772,385	47,165,813	205,921
Washington	187,918	371	446,302	131,527	6,540,382	7,776
Oregon	54,086	----------	331,216	69,375	4,180,901	145,866
California	2,102,279	290,760	1,879,327	1,571,483	36,444,530	52,279

TABLE 6.—BOOKS AND PAMPHLETS—NUMBER OF COPIES PUBLISHED, BY CLASSES, FOR THE UNITED STATES: 1925

CHARACTER	Number of copies	CHARACTER	Number of copies
Aggregate	433, 211, 253	BOOKS—continued	
BOOKS		Religion and philosophy	12, 244, 224
Total	200, 997, 249	Science and technology	2, 094, 343
Textbooks (for school use)	78, 641, 843	Sociology and economics	563, 471
Juvenile	25, 213, 635	Travel	704, 825
Agriculture	463, 107	All other	32, 849, 302
Biography	2, 691, 583	PAMPHLETS	
Fiction	30, 598, 410	Total	232, 214, 004
Fine arts	1, 062, 729	Texts (for school use)	27, 661, 513
History	1, 253, 147	Juvenile	3, 481, 050
Law	2, 239, 116	General literature	201, 071, 441
Medicine	1, 560, 169		
Poetry and drama	8, 817, 255		

TABLE 7.—BOOKS—NUMBER OF COPIES PUBLISHED, BY PRINCIPAL CLASSES, BY STATES: 1925

STATE	Textbooks (for school use)	Juvenile	Fiction	Poetry and drama	Religion and philosophy
Alabama					3, 000
Arkansas					5, 000
California	75, 588	6, 000	700	6, 814	466, 300
Connecticut	2, 008	2, 228		16, 730	5, 176
District of Columbia	451, 076				99, 100
Florida	2, 500				1, 200
Illinois	14, 612, 554	6, 271, 949	1, 377, 575	2, 049, 253	1, 708, 106
Indiana	678, 401	9, 065			45, 820
Iowa	1, 533, 155				
Kansas			2, 148, 000	1, 560, 000	1, 018, 500
Kentucky					100, 000
Maine				3, 850	500
Maryland	243, 217		9, 423	4, 000	104, 682
Massachusetts	22, 489, 026	2, 448, 758	654, 470	467, 848	976, 923
Michigan	87, 898	31, 793	300	1, 000	
Minnesota	75, 802		1, 200		8, 300
Missouri	130, 000		6, 000		613, 485
Nebraska	673, 671				
New Hampshire	20, 000				
New Jersey	4, 700, 660	1, 435, 257	406, 080	750	10, 951
New York	21, 249, 191	5, 521, 997	16, 633, 638	4, 634, 738	3, 844, 914
North Carolina	8, 500				20, 500
Ohio	5, 678, 503	7, 003, 649	8, 031, 361	12, 100	480, 881
Oklahoma	12, 345				2, 021
Pennsylvania	5, 436, 572	1, 049, 985	1, 294, 984	31, 400	1, 665, 853
Rhode Island					8, 000
Tennessee		26, 954	7, 700		739, 856
Texas	354, 080		26, 470	20, 000	68, 200
Utah					133, 450
Virginia					46, 000
Wisconsin	126, 846	507, 000	500	8, 772	67, 500

TABLE 8.—MUSIC, IN SHEETS AND BOOKS, VALUE, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments]

STATE	1925	1923	1921
United States	$14,133,306	$14,163,414	$14,293,132
California	290,760	275,969	93,862
Illinois	1,430,949	1,204,818	1,444,800
Massachusetts	1,532,349	1,574,524	1,774,673
Missouri	483,855	504,095	414,909
New York	8,332,133	8,083,557	7,929,881
Ohio	982,012	581,644	741,508
Pennsylvania	407,258	1,260,895	1,205,747
All other States	673,990	677,912	687,752

TABLE 9.—NEWSPAPERS AND PERIODICALS PUBLISHED, BY CLASS, NUMBER, AND CIRCULATION, FOR THE UNITED STATES: 1925, 1923, AND 1921

CLASS	1925	1923	1921	PER CENT OF INCREASE OR DECREASE (−)			PER CENT DISTRIBUTION		
				1921–1925	1923–1925	1921–1923	1925	1923	1921
All classes, number	14,065	13,077	13,167	6.8	7.6	−0.7	100.0	100.0	100.0
Daily (excluding Sunday):									
Number	[1] 2,280	[1] 2,314	[1] 2,343	−2.7	−1.5	−1.2	16.2	17.7	17.8
Circulation [2]	38,039,682	35,733,107	32,341,678	17.6	6.5	10.5	14.6	15.4	15.3
Sunday:									
Number	597	602	538	11.0	−.8	11.9	4.2	4.6	4.1
Circulation [2]	25,630,056	24,511,693	20,853,355	22.9	4.6	17.5	9.9	10.6	9.9
Triweekly:									
Number	74	79	85	(3)	(3)	(3)	.5	.6	.6
Circulation [2]	400,730	431,504	523,872	−23.5	−7.1	−17.6	.2	.2	.2
Semiweekly:									
Number	383	407	423	−9.5	−5.9	−3.8	2.7	3.1	3.2
Circulation [2]	1,934,095	2,024,683	1,540,206	25.6	−4.5	31.5	.7	.9	.7
Weekly:									
Number	7,568	6,887	7,054	7.3	9.9	−2.4	53.8	52.7	53.6
Circulation [2]	50,815,443	47,860,508	43,521,178	16.8	6.2	10.0	19.5	20.6	20.6
Semimonthly: [4]									
Number	232	193	225	3.1	20.2	−14.2	1.6	1.5	1.7
Circulation [2]	6,773,105	5,531,731	6,501,037	4.2	22.4	−14.9	2.6	2.4	3.1
Monthly:									
Number	2,271	1,907	1,907	19.1	19.1	-------	16.2	14.6	14.5
Circulation [2]	111,875,957	91,654,028	83,459,144	34.0	22.1	9.8	43.0	39.5	39.6
Quarterly:									
Number	553	555	515	7.4	−.4	7.8	3.9	4.2	3.9
Circulation [2]	22,840,186	22,197,918	21,745,216	5.0	2.9	2.1	8.8	9.6	10.3
All other classes:									
Number	107	133	77	(3)	−19.5	(3)	.8	1.0	.6
Circulation [2]	1,677,203	2,097,442	460,975	263.8	−20.0	355.0	.6	.9	.2

[1] Includes, for 1925, 164 daily publications other than newspapers, with an aggregate circulation of 633,067; for 1923, 48 daily publications other than newspapers, with an aggregate circulation of 262,037; and for 1921, 9 daily publications other than newspapers, with an aggregate circulation of 36,085.
[2] Aggregate circulation per issue, averaged for the year.
[3] Not computed where base is less than 100.
[4] Includes publications reported as biweekly.

TABLE 10.—DAILY NEWSPAPERS—NUMBER, BY GEOGRAPHIC DIVISIONS AND STATES: 1925, 1923, AND 1921

DIVISION AND STATE	TOTAL [1]			MORNING			EVENING		
	1925	1923	1921	1925	1923	1921	1925	1923	1921
UNITED STATES	2,116	2,271	2,334	504	631	691	1,612	1,640	1,643
NEW ENGLAND	155	165	168	29	37	45	126	128	123
Maine	11	11	13	5	5	6	6	6	7
New Hampshire	11	14	17	1	2	6	10	12	11
Vermont	10	10	10	2	2	2	8	8	8
Massachusetts	79	83	81	13	17	19	66	66	62
Rhode Island	11	12	11	2	3	4	9	9	7
Connecticut	33	35	36	6	8	8	27	27	28
MIDDLE ATLANTIC	369	406	430	107	127	148	262	279	282
New York	158	188	201	54	69	79	104	119	122
New Jersey	39	40	42	9	9	12	30	31	30
Pennsylvania	172	178	187	44	49	57	128	129	130
EAST NORTH CENTRAL	500	547	561	80	123	137	420	424	424
Ohio	148	158	158	24	34	37	124	124	121
Indiana	113	119	126	19	21	25	94	98	101
Illinois	129	151	147	26	45	45	103	106	102
Michigan	60	65	71	7	18	22	53	47	49
Wisconsin	50	54	59	4	5	8	46	49	51
WEST NORTH CENTRAL	265	286	299	45	61	68	220	225	231
Minnesota	38	46	48	6	10	10	32	36	38
Iowa	48	54	59	7	8	16	41	46	43
Missouri	69	71	74	14	17	15	55	54	59
North Dakota	10	9	10	1	2	2	9	7	8
South Dakota	16	15	16	3	5	6	13	10	10
Nebraska	26	29	29	6	8	8	20	21	21
Kansas	58	62	63	8	11	11	50	51	52
SOUTH ATLANTIC	213	201	200	67	70	67	146	131	133
Delaware	3	3	3	1	1	1	2	2	2
Maryland	15	15	16	5	7	7	10	8	9
District of Columbia	6	6	6	3	3	3	3	3	3
Virginia	30	30	31	9	10	11	21	20	20
West Virginia	29	28	27	9	10	8	20	18	19
North Carolina	37	40	37	11	12	10	26	28	27
South Carolina	14	17	17	6	8	7	8	9	10
Georgia	26	28	30	5	6	8	21	22	22
Florida	53	34	33	18	13	12	35	21	21
EAST SOUTH CENTRAL	87	92	87	23	31	24	64	61	63
Kentucky	30	33	30	9	15	9	21	18	21
Tennessee	21	21	18	7	8	6	14	13	12
Alabama	23	24	24	4	5	5	19	19	19
Mississippi	13	14	15	3	3	4	10	11	11
WEST SOUTH CENTRAL	197	207	222	45	51	62	152	156	160
Arkansas	32	32	35	5	5	7	27	27	28
Louisiana	14	18	18	4	6	4	10	12	14
Oklahoma	47	51	56	11	12	14	36	39	42
Texas	104	106	113	25	28	37	79	78	76
MOUNTAIN	108	115	117	36	40	42	72	75	75
Montana	18	16	21	10	9	13	8	7	8
Idaho	12	14	12	6	7	3	6	7	9
Wyoming	6	7	8	1	1	3	5	6	5
Colorado	32	38	38	6	10	8	26	28	30
New Mexico	8	7	6	1	1	1	7	6	5
Arizona	16	18	19	8	8	9	8	10	10
Utah	7	7	6	1	1	2	6	6	4
Nevada	9	8	7	3	3	3	6	5	4
PACIFIC	222	252	250	72	91	98	150	161	152
Washington	36	40	40	11	13	16	25	27	24
Oregon	30	32	33	8	11	12	22	21	21
California	156	180	177	53	67	70	103	113	107

[1] See "Number of publications and aggregate circulation per issue," p. 653.

TABLE 11.—DAILY NEWSPAPERS—CIRCULATION, EXCLUDING SUNDAY EDITIONS, BY GEOGRAPHIC DIVISIONS AND STATES: 1925 AND 1923

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the States shown in combination, however, outranked some of those shown separately]

DIVISION AND STATE	AGGREGATE CIRCULATION PER ISSUE, EXCLUSIVE OF SUNDAY EDITIONS [1]									
	Total		Morning		Evening		Per cent of total circulation			
							1925		1923	
	1925	1923	1925	1923	1925	1923	Morning	Evening	Morning	Evening
UNITED STATES	37,406,615	35,471,070	14,284,198	13,567,611	23,122,417	21,903,459	38.2	61.8	38.2	61.8
NEW ENGLAND	3,407,050	3,411,209	1,266,619	1,226,885	2,140,431	2,184,324	37.2	62.8	36.0	64.0
Maine and Rhode Island [2]	388,967	357,995	136,156	123,113	252,811	234,882	35.0	65.0	34.4	65.6
Massachusetts	2,435,763	2,527,448	992,809	955,484	1,442,954	1,571,964	40.8	59.2	37.8	62.2
Connecticut	464,854	393,851	99,383	108,410	365,471	285,441	21.4	78.6	27.5	72.5
New Hampshire and Vermont [2]	117,466	131,915	38,271	39,878	79,195	92,037	32.6	67.4	30.2	69.8
MIDDLE ATLANTIC	11,322,067	10,581,207	5,136,967	4,526,183	6,185,100	6,055,024	45.4	54.6	42.8	57.2
New York	7,133,670	6,521,058	3,636,130	3,063,303	3,497,540	3,457,755	51.0	49.0	47.0	53.0
New Jersey	730,950	672,224	125,960	119,871	604,990	552,353	17.2	82.8	17.8	82.2
Pennsylvania	3,457,447	3,387,925	1,374,877	1,343,009	2,082,570	2,044,916	39.8	60.2	39.6	60.4
E. N. CENTRAL	8,931,797	8,469,878	2,672,366	2,787,008	6,259,431	5,682,870	29.9	70.1	32.9	67.1
Ohio	2,738,254	2,615,982	630,750	685,357	2,107,504	1,930,625	23.0	77.0	26.2	73.8
Indiana	971,983	931,465	306,002	333,973	665,981	597,492	31.5	68.5	35.9	64.1
Illinois	3,117,407	3,055,267	1,386,653	1,415,215	1,730,754	1,640,052	44.5	55.5	46.3	53.7
Michigan	1,361,707	1,227,706	267,347	288,874	1,094,360	938,832	19.6	80.4	23.5	76.5
Wisconsin	742,446	639,458	81,614	63,589	660,832	575,869	11.0	89.0	9.9	90.1
W. N. CENTRAL	4,194,364	4,278,223	1,348,709	1,476,519	2,845,655	2,801,704	32.2	67.8	34.5	65.5
Minnesota	759,052	828,317	168,831	208,413	590,221	619,904	22.2	77.8	25.2	74.8
Iowa	729,010	789,378	183,560	207,157	545,450	582,221	25.2	74.8	26.2	73.8
Missouri	1,742,976	1,713,501	711,833	737,402	1,031,143	976,099	40.8	59.2	43.0	57.0
Nebraska	408,967	422,498	133,923	135,845	275,044	286,653	32.7	67.3	32.2	67.8
Kansas	403,031	375,398	121,088	137,441	281,943	237,957	30.0	70.0	36.6	63.4
North Dakota and South Dakota [2]	151,328	149,131	29,474	50,261	121,854	98,870	19.5	80.5	33.7	66.3
SOUTH ATLANTIC	2,615,297	2,313,147	1,096,679	997,256	1,518,618	1,315,891	41.9	58.1	43.1	56.9
Maryland	560,730	509,875	197,512	201,664	363,218	308,211	35.2	64.8	39.6	60.4
Virginia	317,789	340,707	125,703	150,735	192,086	189,972	39.6	60.4	44.2	55.8
West Virginia	218,294	199,736	106,475	99,934	111,819	99,802	48.8	51.2	50.0	50.0
North Carolina	278,873	242,357	146,898	132,465	131,975	109,892	52.7	47.3	54.7	45.3
South Carolina	131,010	131,687	73,036	70,100	57,974	61,587	55.7	44.3	53.2	46.8
Georgia	362,267	338,331	132,224	122,841	230,043	215,490	36.5	63.5	36.3	63.7
Florida	355,570	201,488	180,718	113,336	174,852	88,152	50.8	49.2	56.2	43.8
Delaware and Dist. Columbia [2]	390,764	348,966	134,113	106,181	256,651	242,785	34.3	65.7	30.4	69.6
E. S. CENTRAL	1,195,143	1,161,673	447,665	497,513	747,478	664,160	37.5	62.5	42.8	57.2
Kentucky	378,159	347,589	161,395	201,139	216,764	146,450	42.7	57.3	57.9	42.1
Tennessee	473,773	466,230	200,323	206,932	273,450	259,298	42.3	57.7	44.4	55.6
Alabama	277,416	253,285	72,563	75,845	204,853	177,440	26.2	73.8	29.9	70.1
Mississippi	65,795	94,569	13,384	13,597	52,411	80,972	20.3	79.7	14.4	85.6
W. S. CENTRAL	1,854,549	1,684,293	731,493	611,763	1,123,056	1,072,530	39.4	60.6	36.3	63.7
Arkansas	150,004	133,926	67,160	60,555	82,904	73,371	44.8	55.2	45.2	54.8
Louisiana	307,575	271,762	145,212	116,547	162,363	155,215	47.2	52.8	42.9	57.1
Oklahoma	421,783	376,942	176,073	114,369	245,710	262,573	41.7	58.3	30.3	69.7
Texas	975,127	901,663	343,048	320,292	632,079	581,371	35.2	64.8	35.5	64.5
MOUNTAIN	704,796	698,734	250,057	253,219	454,739	445,515	35.5	64.5	36.2	63.8
Montana	95,028	90,933	58,665	59,932	36,363	31,001	61.7	38.3	65.9	34.1
Colorado	302,078	314,679	48,564	62,788	253,514	251,891	16.1	83.9	20.0	80.0
Arizona	66,906	61,081	47,157	35,201	19,749	25,880	70.5	29.5	57.6	42.4
Nevada	16,973	14,848	6,589	6,732	10,384	8,116	38.8	61.2	45.3	54.7
Idaho, Wyoming, New Mexico and Utah [2]	223,811	217,193	89,082	88,566	134,729	128,627	39.8	60.2	40.8	59.2
PACIFIC	3,181,552	2,872,706	1,333,643	1,191,265	1,847,909	1,681,441	41.9	58.1	41.5	58.5
Washington	572,691	610,513	170,709	242,497	401,982	368,016	29.8	70.2	39.7	60.3
Oregon	387,281	344,753	121,454	117,544	265,827	227,209	31.4	68.6	34.1	65.9
California	2,221,580	1,917,440	1,041,480	831,224	1,180,100	1,086,216	46.9	53.1	43.4	56.6

[1] See "Number of publications and aggregate circulation per issue," p. 653.
[2] Combined in order to avoid disclosing circulation of individual papers.

TABLE 12.—DAILY NEWSPAPERS PRINTED IN FOREIGN LANGUAGES [1]—NUMBER AND CIRCULATION, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. One of the "All other States," however, outranked one of those shown separately]

STATE	NUMBER [2]			AGGREGATE CIRCULATION PER ISSUE, EXCLUSIVE OF SUNDAY EDITIONS [2]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
United States	128	146	146	2,308,544	2,357,802	2,306,769	0.1	—2.1	2.2
California	14	15	15	106,741	102,688	99,164	7.6	3.9	3.6
Illinois	15	24	21	359,412	442,500	434,535	—17.3	—18.8	1.8
Massachusetts	12	12	12	90,673	89,200	77,337	17.2	1.7	15.3
Michigan	3	6	4	48,955	93,250	41,100	19.1	—47.5	126.9
Minnesota	3	4	4	31,730	36,882	38,516	—17.6	—14.0	—4.2
New Jersey	2	2	2	27,200	25,200	22,860	19.0	7.9	10.2
New York	36	38	41	1,104,411	1,027,341	1,133,990	—2.6	7.5	—9.4
Ohio	14	16	12	212,564	246,902	176,331	20.5	—13.9	40.0
Pennsylvania	8	8	9	126,551	105,708	108,848	16.3	19.7	—2.9
Texas	3	3	4	25,366	25,830	27,656	—8.3	—1.8	—6.6
Washington	2	2	2	15,093	14,922	13,682	10.3	1.1	9.1
Wisconsin	5	5	6	95,800	75,390	47,980	99.7	27.1	57.1
All other States	11	11	14	64,048	71,989	84,770	—24.4	—11.0	—15.1

[1] Includes data for publications in both a foreign language and English.
[2] See "Number of publications and aggregate circulation per issue," p. 653.

TABLE 13.—DAILY NEWSPAPERS PRINTED IN FOREIGN LANGUAGES [1]—CIRCULATION, FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1925, 1923, AND 1921

LANGUAGE	NUMBER [2]			AGGREGATE CIRCULATION PER ISSUE, EXCLUSIVE OF SUNDAY EDITIONS [2]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
Total	128	146	146	2,308,544	2,357,802	2,306,769	0.1	—2.1	2.2
Bohemian	6	7	7	86,227	91,326	84,441	2.1	—5.6	8.2
Chinese	3	4	4	17,100	19,000	19,000	—10.0	—10.0	-------
Finnish	6	7	6	40,369	46,215	39,162	3.1	—12.6	18.0
French	10	9	9	59,381	36,402	35,142	69.0	63.1	3.6
German	21	22	25	372,979	364,200	336,069	11.0	2.4	8.4
Greek	3	3	4	73,000	70,000	75,150	—2.9	4.3	—6.9
Hungarian	3	3	5	86,000	94,000	108,000	—20.4	—8.5	—13.0
Italian	9	8	11	353,959	333,533	352,028	.5	6.1	—5.3
Japanese	8	9	8	61,370	57,357	48,989	25.3	7.0	17.1
Lithuanian	3	3	3	37,000	32,859	48,000	—22.9	12.6	—31.5
Polish	16	26	18	332,024	411,529	306,295	8.4	19.3	34.4
Russian	3	3	4	32,342	25,125	89,635	—63.9	28.7	—72.0
Slovak	3	7	7	40,000	53,624	64,843	—38.3	—25.4	—17.3
Spanish	9	6	8	55,348	44,630	45,656	21.2	24.0	—2.2
Yiddish	10	9	10	559,963	541,252	552,812	1.3	3.5	—2.1
All other languages [3]	15	20	17	101,482	136,750	101,547	—.1	—25.8	34.7

[1] Includes data for publications in both a foreign language and English.
[2] See "Number of publications and aggregate circulation per issue," p. 653.
[3] Comprises, for 1925, Arabic, Bulgarian, Croatian, Danish, Portuguese, Rumanian, Ruthenian, Serbian, and Slovenian.

TABLE 14.—DAILY NEWSPAPERS PUBLISHED IN CITIES HAVING 500,000 INHABITANTS OR MORE [1]—NUMBER, 1925, AND CIRCULATION, 1925, 1923, AND 1921

CITY	NUMBER, [2] 1925		AGGREGATE CIRCULATION PER ISSUE, EXCLUSIVE OF SUNDAY EDITIONS [2]					
			Morning			Evening		
	Morning	Evening	1925	1923	1921	1925	1923	1921
United States			14,284,198	13,567,611	12,629,953	23,122,417	21,903,459	19,675,640
Total [3]	93	105	8,333,383	7,350,913	7,112,130	8,962,409	8,102,033	7,657,734
New York	30	26	3,168,596	2,597,914	2,384,036	2,405,620	2,348,571	2,507,638
Chicago	11	11	1,221,554	1,219,417	1,158,508	1,178,161	1,155,575	1,152,539
Philadelphia	8	6	731,522	689,783	631,312	753,185	719,058	659,456
Cleveland	5	10	284,056	332,643	438,431	493,539	440,931	400,218
Boston	7	7	870,141	803,901	766,065	858,949	956,488	672,987
Pittsburgh	5	3	287,202	324,610	255,042	393,232	453,347	403,886
Los Angeles [4]	6	9	441,845	309,776	274,432	362,755	345,065	444,276
San Francisco	8	7	398,642	327,078	354,803	265,794	241,804	303,434
Detroit and Buffalo [5]	3	11	302,231	309,768	434,883	937,309	793,284	578,073
St. Louis and Milwaukee [5]	5	9	321,526	[6] 253,959	[6] 236,974	765,297	[6] 368,311	[6] 313,162
Baltimore and Washington [5]	5	6	306,068	[7] 182,064	[7] 177,644	548,568	[7] 279,649	[7] 222,065

[1] As estimated for July 1, 1926.
[2] See "Number of publications and aggregate circulation per issue," p. 653.
[3] For 1925, 14 cities; for 1923 and 1921, 12 cities. The population of Washington and Milwaukee, as estimated for 1921 and 1923, was below 500,000.
[4] Figures for 1923 and 1921 not strictly comparable with those for 1925 because of the annexation of new territory in 1924.
[5] Combined in order to avoid disclosing circulation of individual papers. (See footnote 2.)
[6] St. Louis only. [7] Baltimore only.

TABLE 15.—SUNDAY NEWSPAPERS PUBLISHED IN CITIES HAVING 500,000 INHABITANTS [1] OR MORE—NUMBER AND CIRCULATION: 1925, 1923, AND 1921

CITY	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [2]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
United States	597	602	538	25,630,056	24,511,693	20,853,355	22.9	4.6	17.5
Total [3]	102	97	104	15,077,224	13,468,575	11,736,150	28.5	11.9	14.8
New York	30	30	32	4,822,063	4,592,604	4,064,777	18.6	5.0	13.0
Chicago	10	16	14	2,274,888	2,130,221	1,777,037	28.0	6.8	19.9
Philadelphia	13	11	9	1,201,958	1,040,611	967,245	24.3	15.5	7.6
Detroit	5	5	3	883,324	737,798	410,087	115.4	19.7	79.9
Cleveland	9	4	4	586,557	471,905	452,766	29.5	24.3	4.2
St. Louis	4	5	5	764,087	874,404	665,865	14.8	—12.6	31.3
Boston	4	4	4	1,358,166	1,349,027	1,269,456	7.0	.7	6.3
Pittsburgh	4	6	6	646,929	615,753	540,711	19.6	5.1	13.9
Los Angeles [4]	4	3	7	688,789	570,767	437,541	57.4	20.7	30.4
San Francisco	6	6	12	546,607	489,993	499,337	9.5	11.6	—1.9
Buffalo	4	4	5	305,827	293,372	303,447	.8	4.2	—3.3
Baltimore and Washington [5]	5	3	3	624,898	[6] 302,120	[6] 347,881	79.6	106.8	—13.2
Milwaukee	4			373,131					

[1] As estimated for July 1, 1926.
[2] See "Number of publications and aggregate circulation per issue," p. 653.
[3] For 1925, 14 cities; for 1923 and 1921, 12 cities. The population of Washington and Milwaukee, as estimated for 1921 and 1923, was below 500,000.
[4] Figures for 1923 and 1921 not strictly comparable with those for 1925 because of the annexation of new territory in 1924.
[5] Combined in order to avoid disclosing circulation of individual papers. (See footnote 2.)
[6] Baltimore only.

TABLE 16.—SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. The District of Columbia, however, which is shown in combination, outranked some of the States shown separately]

DIVISION AND STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
UNITED STATES	597	602	538	25,630,056	24,511,693	20,853,355	22.9	4.6	17.5
NEW ENGLAND	27	27	29	1,881,080	1,862,543	1,693,485	11.1	1.0	10.0
Massachusetts	15	16	17	1,583,565	1,559,667	1,471,709	7.6	1.5	6.0
Connecticut	8	7	7	187,151	174,805	122,912	52.3	7.1	42.2
Maine and Rhode Island [2]	4	4	5	110,364	128,071	98,864	11.6	—13.8	29.5
MIDDLE ATLANTIC	89	93	92	7,927,859	7,434,085	6,592,289	20.3	6.6	12.8
New York	48	53	51	5,655,217	5,409,648	4,761,601	18.8	4.5	13.6
New Jersey	9	10	11	196,347	184,183	162,260	21.0	6.6	13.5
Pennsylvania	32	30	30	2,076,295	1,840,254	1,668,428	24.4	12.8	10.3
EAST NORTH CENTRAL	100	108	96	5,708,063	5,794,419	4,786,236	19.3	—1.5	21.1
Ohio	35	33	27	1,340,352	1,308,593	1,198,392	11.8	2.4	9.2
Indiana	17	18	18	379,115	844,145	768,488	—50.7	—55.1	9.8
Illinois	28	35	28	2,541,090	2,390,290	1,952,269	30.2	6.3	22.4
Michigan	13	13	10	1,035,082	890,589	526,810	96.5	16.2	69.1
Wisconsin	7	9	13	412,424	360,802	340,277	21.2	14.3	6.0
WEST NORTH CENTRAL	61	58	53	2,835,811	2,846,535	2,190,459	29.5	—.4	30.0
Minnesota	9	7	9	576,811	562,429	335,491	71.9	2.6	67.6
Iowa	11	12	9	342,348	310,038	239,922	42.7	10.4	29.2
Missouri	16	17	17	1,319,649	1,379,695	1,191,160	10.8	—4.4	15.8
Nebraska	6	5	6	318,396	321,962	247,268	28.8	—1.1	30.2
Kansas	12	11	9	218,431	217,453	142,338	53.4	.4	52.8
North Dakota and South Dakota [2]	7	6	3	60,176	54,958	34,280	75.5	9.5	60.3
SOUTH ATLANTIC	91	87	80	2,012,734	1,809,472	1,626,623	23.7	11.2	11.2
Maryland	3	4	3	335,097	304,120	347,881	—3.7	10.2	—12.6
Virginia	10	12	9	158,017	208,861	102,715	53.8	—24.3	103.3
West Virginia	11	13	14	152,386	149,467	148,716	2.5	2.0	.5
North Carolina	16	17	11	208,003	179,747	133,652	55.6	15.7	34.5
South Carolina	9	9	9	102,317	88,524	84,358	21.3	15.6	4.9
Georgia	17	15	18	473,771	422,781	374,967	26.4	12.1	12.8
Florida	21	13	11	268,818	147,112	111,190	141.8	82.7	32.3
Delaware and District of Columbia [2]	4	4	5	314,325	308,860	323,144	—2.7	1.8	—4.4
EAST SOUTH CENTRAL	37	34	36	900,717	793,133	677,278	33.0	13.6	17.1
Kentucky	11	11	12	284,695	211,198	180,714	57.5	34.8	16.9
Tennessee	11	10	9	367,253	346,411	293,598	25.1	6.0	18.0
Alabama	10	9	10	214,007	206,359	175,126	22.2	3.7	17.8
Mississippi	5	4	5	34,762	29,165	27,840	24.9	19.2	4.8
WEST SOUTH CENTRAL	79	75	57	1,491,942	1,363,968	1,135,023	31.4	9.4	20.2
Arkansas	7	7	8	118,904	114,150	108,129	10.0	4.2	5.6
Louisiana	4	5	4	333,261	326,687	261,980	27.2	2.0	24.7
Oklahoma	22	22	14	279,736	250,041	164,628	69.9	11.9	51.9
Texas	46	41	31	760,041	673,090	600,286	26.6	12.9	12.1
MOUNTAIN	49	49	46	663,958	635,487	590,277	12.5	4.5	7.7
Montana	11	11	10	83,880	94,247	82,398	1.8	—11.0	14.4
Idaho	9	9	8	51,423	50,407	41,315	23.0	2.0	20.5
Colorado	11	11	12	344,358	311,263	298,663	15.3	10.6	4.2
Arizona	8	9	7	41,870	40,406	30,621	36.7	3.6	32.0
Utah	4	3	3	112,367	102,813	106,227	5.8	9.3	—3.2
Wyoming, New Mexico, and Nevada [2]	6	6	6	30,060	36,351	30,553	—1.6	—17.3	19.0
PACIFIC	64	71	49	2,207,892	1,972,051	1,561,685	41.4	12.0	26.3
Washington	11	13	11	368,476	372,968	280,103	31.5	—1.2	33.1
Oregon	9	11	12	201,126	263,756	229,927	26.6	10.4	14.7
California	44	47	26	1,548,290	1,335,327	1,051,565	47.2	15.9	27.0

[1] See "Number of publications and aggregate circulation per issue," p. 653.
[2] Combined in order to avoid disclosing circulation of individual papers.

TABLE 17.—TRIWEEKLY AND SEMIWEEKLY NEWSPAPERS—CIRCULATION, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, outranked some of those shown separately]

STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
United States [2]	457	486	508	2,334,825	2,456,187	2,064,078	13.1	—4.9	19.0
Arkansas	7	8	8	22,158	19,078	26,580	—16.5	16.1	—28.1
California	38	41	36	562,644	251,377	44,343	(3)	123.8	466.9
Florida	13	5	7	27,450	7,250	7,975	244.2	278.6	—9.1
Georgia	6	10	15	166,797	199,409	182,057	—8.4	—16.4	9.5
Illinois	30	41	36	177,064	218,538	144,601	22.5	—19.0	51.1
Indiana	16	14	15	35,045	20,388	19,815	76.9	71.9	2.9
Iowa	21	28	24	90,222	109,494	134,645	—33.0	—17.6	—18.7
Kansas	9	5	7	22,218	7,330	8,987	147.2	203.1	—18.4
Kentucky	11	11	16	23,891	18,235	38,600	—38.1	31.0	—52.8
Maine	4	3	4	15,971	14,071	16,100	—.8	13.5	—12.6
Michigan	14	15	14	48,520	34,366	30,370	59.8	41.2	13.2
Minnesota	6	7	5	36,302	152,474	128,771	—71.8	—76.2	18.4
Mississippi	6	7	4	14,470	12,820	7,100	103.8	12.9	80.6
Missouri	16	18	16	307,246	352,773	283,572	8.3	—12.9	24.4
Nebraska	9	8	11	21,800	17,180	18,905	15.3	26.9	—9.1
New Jersey	7	6	4	22,514	18,800	8,006	181.2	19.8	134.8
New York	23	28	31	68,056	272,416	228,463	—70.2	—75.0	19.2
North Carolina	24	27	31	64,617	68,680	66,715	—3.1	—5.9	2.9
Ohio	29	34	34	63,550	72,506	71,797	—11.5	—12.4	1.0
Pennsylvania	30	29	31	146,138	175,534	126,091	15.9	—16.7	39.2
South Carolina	14	13	14	26,534	23,512	22,250	19.3	12.9	5.7
Texas	27	26	27	176,436	196,147	200,347	—11.9	—10.0	—2.1
Virginia	9	10	5	19,436	22,445	8,635	125.1	—13.4	159.9
Washington	8	10	9	28,813	31,653	30,366	—5.1	—0.0	4.2
All other States	80	82	104	146,933	139,711	209,037	—29.7	5.2	—33.2

[1] See "Number of publications and aggregate circulation per issue," p. 653.
[2] Includes semiweekly and triweekly publications reported as periodicals; 1925, 27 with average circulation of 631,453; 1923, 11 with average circulation of 29,576; 1921, 17 with average circulation of 105,827.
[3] Percentages higher than 1,000 are not shown.

TABLE 18.—WEEKLY NEWSPAPERS [1]—NUMBER AND CIRCULATION, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, outranked some of those shown separately]

STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]			Per cent of increase or decrease (—)	
	1925	1923	1921	1925	1923	1921	1923–1925	1921–1923
United States	6,435	5,903	6,059	15,989,700	16,424,819	20,430,772	—2.6	—19.6
Alabama	80	63	57	253,750	237,486	215,979	6.8	10.0
Arkansas	86	75	82	114,275	92,844	110,914	23.1	—16.3
California	273	260	220	390,648	414,298	329,695	—5.7	25.7
Colorado	112	100	97	206,537	124,852	115,089	65.4	8.5
Connecticut	41	40	45	97,060	90,477	100,632	7.3	—10.1
District of Columbia	6	12	8	183,300	830,183	689,121	—78.2	21.8
Florida	84	70	74	122,228	107,765	104,157	13.4	3.5
Georgia	90	78	86	144,315	112,287	173,003	28.6	—35.1
Illinois	425	410	391	1,992,885	2,007,604	2,036,023	—.7	—1.3
Indiana	175	168	167	287,595	290,330	359,528	—.9	—19.2
Iowa	320	300	322	507,482	479,988	595,935	5.7	—19.5
Kansas	224	194	208	860,849	1,020,096	951,529	—15.6	7.2
Kentucky	96	77	96	188,231	173,886	216,030	8.2	—19.5
Louisiana	52	48	51	83,247	68,539	79,213	21.5	—13.5
Maryland	52	44	49	136,868	106,370	95,926	28.7	10.9
Massachusetts	162	155	157	411,663	486,046	446,718	—15.3	8.8
Michigan	257	214	210	562,052	1,025,546	484,634	—45.2	111.6
Minnesota	298	279	295	883,815	772,474	1,341,434	14.4	—42.4
Missouri	255	206	225	958,112	903,705	1,536,395	6.0	—41.2
Nebraska	184	165	161	281,152	375,060	402,913	—25.0	—6.9
New Jersey	190	163	159	405,773	360,855	303,255	12.4	19.0
New York	465	468	468	1,403,410	1,460,313	2,251,892	—3.9	—35.2
North Carolina	78	72	70	171,532	168,165	201,877	2.0	—16.7
Ohio	265	265	288	1,151,487	805,973	1,089,601	42.9	—26.0
Oklahoma	154	127	143	234,249	201,741	189,596	16.1	6.4
Oregon	76	69	67	116,975	115,671	98,343	1.1	17.6
Pennsylvania	343	344	356	1,271,072	1,259,914	3,507,787	.9	—64.1
Tennessee	76	58	65	190,059	179,519	197,720	5.9	—9.2
Texas	300	251	269	493,218	388,326	417,106	27.0	—6.9
Virginia	69	72	72	144,510	144,753	118,963	—.2	21.7
Washington	121	123	110	193,144	137,092	123,750	40.9	10.8
West Virginia	83	69	65	154,995	133,982	112,664	15.7	18.9
Wisconsin	245	233	229	415,388	450,766	490,398	—7.8	—8.1
All other States	698	631	697	977,824	888,963	943,952	10.0	—5.8

[1] Not including periodicals, for which see Table 23, p. 676.

TABLE 19.—WEEKLY NEWSPAPERS AND PERIODICALS—COMBINED STATISTICS FOR NUMBER AND CIRCULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1925, 1923, AND 1921

DIVISION AND STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]			Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
UNITED STATES	7,568	6,887	7,054	50,815,443	47,860,508	43,521,178	16.8	6.2	10.0
NEW ENGLAND	386	363	372	1,689,153	1,620,609	1,499,664	12.6	4.2	8.1
Maine	37	42	44	68,153	92,681	89,870	−24.2	−26.5	3.1
New Hampshire	40	38	40	65,895	53,122	64,702	1.8	24.0	−17.9
Vermont	36	32	29	68,567	59,543	58,025	18.2	15.2	2.6
Massachusetts	214	195	197	1,292,593	1,240,815	1,130,170	14.4	4.2	9.8
Rhode Island	12	9	9	46,937	33,471	22,825	105.6	40.2	46.6
Connecticut	47	47	53	147,008	140,977	134,072	9.6	4.3	5.2
MIDDLE ATLANTIC	1,330	1,279	1,269	19,727,012	21,454,454	16,701,113	18.1	−8.1	28.5
New York	683	680	670	13,147,329	14,717,849	10,258,235	28.2	−10.7	43.5
New Jersey	200	169	165	517,458	451,905	389,745	32.8	14.5	15.9
Pennsylvania	447	430	434	6,062,225	6,284,700	6,053,133	.2	−3.5	3.8
EAST NORTH CENTRAL	1,693	1,543	1,564	14,400,602	10,862,854	11,198,394	28.6	32.6	−3.0
Ohio	341	340	364	3,708,483	3,382,458	4,033,312	−8.1	9.6	−16.1
Indiana	221	191	198	1,715,221	512,539	665,028	157.9	234.7	−22.9
Illinois	580	528	520	6,846,269	4,913,999	4,777,805	43.3	39.3	2.9
Michigan	287	239	233	1,391,646	1,296,781	901,719	54.3	7.3	43.8
Wisconsin	264	245	249	738,983	757,077	820,530	−9.9	−2.4	−7.7
WEST NORTH CENTRAL	1,586	1,433	1,525	5,598,193	5,627,222	6,958,226	−19.5	−.5	−19.1
Minnesota	325	299	315	1,258,739	1,066,628	1,635,022	−23.0	18.0	−34.8
Iowa	333	308	336	896,796	843,419	978,785	−8.4	6.3	−13.8
Missouri	312	272	287	1,741,552	1,721,467	2,240,173	−22.3	1.2	−23.2
North Dakota	76	79	84	105,681	98,146	124,581	−15.2	7.7	−21.2
South Dakota	109	90	111	131,349	115,824	149,810	−12.3	13.4	−22.7
Nebraska	195	178	174	424,777	586,266	656,557	−35.3	−27.5	−10.7
Kansas	236	207	218	1,039,299	1,195,472	1,173,298	−11.4	−13.1	1.9
SOUTH ATLANTIC	583	528	553	3,521,893	3,254,421	2,584,338	36.3	8.2	25.9
Delaware	12	13	17	31,166	33,021	35,324	−11.8	−5.6	−6.5
Maryland	64	57	62	225,240	186,022	167,382	34.6	21.1	11.1
Dist. of Columbia	21	23	18	1,948,183	1,677,189	1,036,255	88.0	16.2	61.9
Virginia	84	82	85	438,060	554,821	546,081	−19.6	−21.0	1.8
West Virginia	86	74	70	163,995	148,381	132,464	23.8	10.5	12.0
North Carolina	84	79	81	251,227	246,609	276,189	−9.0	1.9	−10.7
South Carolina	44	39	47	97,060	88,175	69,683	39.3	10.1	26.5
Georgia	98	86	95	206,897	183,087	195,203	6.0	13.0	−6.2
Florida	90	75	78	160,005	137,116	126,757	26.3	16.7	8.2
EAST SOUTH CENTRAL	381	301	310	2,152,684	1,930,498	1,444,208	49.1	11.5	33.7
Kentucky	110	90	103	309,131	307,794	255,020	21.2	.4	20.7
Tennessee	104	87	85	993,899	944,383	654,646	51.8	5.2	44.3
Alabama	87	68	61	750,730	616,446	461,607	62.6	21.8	33.5
Mississippi	80	56	61	98,924	61,875	72,935	35.6	59.9	−15.2
WEST SOUTH CENTRAL	644	553	602	1,587,292	1,409,581	1,428,109	11.1	12.6	−1.3
Arkansas	91	80	90	153,275	112,044	165,437	−7.4	36.8	−32.3
Louisiana	62	59	62	128,395	116,024	110,313	16.4	10.7	5.2
Oklahoma	161	135	148	272,858	236,883	211,335	29.1	15.2	12.1
Texas	330	279	302	1,032,764	944,630	941,024	9.7	9.3	.4
MOUNTAIN	390	357	377	559,392	486,917	474,806	17.8	14.9	2.6
Montana	78	82	85	95,491	108,788	100,351	−4.8	−12.2	8.4
Idaho	65	50	51	77,274	47,297	51,442	50.2	63.4	−8.1
Wyoming	32	35	33	43,662	49,377	42,578	2.5	−11.6	16.0
Colorado	124	108	105	243,020	176,907	137,089	77.3	37.4	29.0
New Mexico	30	22	33	38,786	27,123	34,859	11.3	43.0	−22.2
Arizona	24	19	24	21,248	17,705	33,737	−37.0	20.0	−47.5
Utah	25	30	34	30,435	51,950	62,070	−51.0	−41.4	−16.3
Nevada	12	11	12	9,476	7,770	12,680	−25.3	22.0	−38.7
PACIFIC	575	530	482	1,579,222	1,213,952	1,232,320	28.2	30.1	−1.5
Washington	144	136	127	454,105	169,225	272,628	66.6	168.3	−37.9
Oregon	90	84	81	227,895	276,773	279,484	−18.5	−17.7	−1.0
California	341	310	274	897,222	767,954	680,208	31.9	16.8	12.9

[1] See "Number of publications and aggregate circulation per issue," p. 653.

TABLE 20.—WEEKLY NEWSPAPERS AND PERIODICALS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Two of the "All other States," however, outranked Indiana]

STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
United States	378	366	400	2,819,147	2,842,542	3,489,648	—19.2	—0.8	—18.5
California	26	22	17	54,350	57,453	33,435	62.6	—5.4	71.8
Colorado	5	8	4	24,112	29,685	29,100	—17.1	—18.8	2.0
Connecticut	4	4	6	16,000	29,360	20,000	—20.0	—45.5	46.8
Illinois	45	45	57	554,685	553,271	712,822	—22.2	.3	—22.4
Indiana	2	3	4	5,900	20,180	36,220	—83.7	—70.8	—44.3
Iowa	8	7	9	20,998	15,775	17,736	18.3	27.4	—11.1
Maryland	2	2	2	5,825	5,800	6,400	—9.0	.4	—9.4
Massachusetts	21	20	21	106,050	97,740	109,897	—3.5	8.5	—11.1
Michigan	15	12	13	49,863	36,425	50,090	—.5	36.9	—27.3
Minnesota	25	21	30	384,945	208,917	238,757	61.2	84.3	—12.5
Missouri	8	7	6	36,557	34,949	37,082	—1.4	4.6	—5.8
Nebraska	8	11	13	38,230	256,500	516,975	—92.6	—85.1	—50.4
New Jersey	16	12	10	70,325	50,300	44,570	57.8	39.8	12.9
New York	61	64	56	503,059	469,967	522,013	—3.6	7.0	—10.0
North Dakota	2	3	3	7,600	10,100	9,720	—21.8	—24.8	3.9
Ohio	19	18	28	159,936	114,910	186,168	—14.1	39.2	—38.3
Oregon	4	5	4	36,400	54,637	39,750	—8.4	—33.4	37.4
Pennsylvania	44	44	36	310,655	277,251	298,507	4.1	12.0	—7.1
Rhode Island	4	2	2	16,886	6,386	4,800	251.8	164.4	33.0
Texas	16	14	19	286,695	292,325	290,756	—1.4	—1.9	.5
Washington	5	7	7	8,140	14,500	14,700	—44.6	—43.9	—1.4
Wisconsin	15	22	29	69,078	163,861	218,645	—68.4	—57.8	—26.1
All other States	23	18	24	53,758	42,250	51,505	4.4	27.2	—18.0

[1] See "Number of publications and aggregate circulation per issue," p. 653.

TABLE 21.—WEEKLY NEWSPAPERS AND PERIODICALS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1925, 1923, AND 1921

[Includes data for publications in both a foreign language and English]

LANGUAGE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
United States	378	366	400	2,619,147	2,842,542	3,489,648	—19.2	—0.8	—18.5
Bohemian (Czech) [2]	18	18	18	50,361	54,245	58,745	—14.3	—7.2	—7.7
Danish [3]	28	28	29	135,742	148,374	203,757	—33.4	—8.5	—27.2
Dutch [4]	12	9	11	42,058	32,043	47,735	—11.9	27.7	—31.0
Finnish	4	4	5	27,100	21,662	18,955	43.0	25.1	14.3
French	14	16	11	62,066	35,111	19,515	218.0	76.8	79.9
German	85	95	119	610,365	727,478	1,074,994	—43.2	—16.1	—32.3
Greek	7	7	8	18,100	28,397	19,400	—6.7	—36.3	46.4
Hungarian	14	14	12	36,274	42,066	31,990	13.4	—13.8	31.5
Italian	40	44	39	129,502	193,480	235,714	—45.1	—33.1	—17.9
Lithuanian	7	7	6	50,700	73,039	50,300	.8	—30.6	45.2
Polish	38	35	38	444,420	410,997	397,340	11.9	8.1	3.4
Serbian	4	6	1	12,300	16,400	3,000	310.0	—25.0	446.7
Slovak	9	10	15	177,131	84,461	190,450	—7.0	109.7	—55.7
Slovenian	3	3	3	32,000	18,493	29,300	9.2	73.0	—36.9
Spanish	16	5	11	306,298	269,000	255,700	19.8	13.9	5.2
Swedish	32	29	38	337,232	321,208	429,707	—21.5	5.0	—25.2
Yiddish	18	18	13	204,889	230,900	144,482	41.8	—11.3	59.8
All other languages [5]	29	18	23	142,600	134,288	278,564	—48.8	6.2	—51.8

[1] See "Number of publications and aggregate circulation per issue," p. 653.
[2] Includes for 1925, 3 publications reported as Czechoslovak.
[3] Includes for 1925, 16 publications, with a circulation of 86,304, reported as Norwegian, 1 as Norwegian-Danish, and 1 as Scandinavian.
[4] Includes 2 publications reported as Flemish.
[5] Comprises, for 1925, Armenian, Bulgarian, Chinese, Croatian, Japanese, Portuguese, Rumanian, Russian, and publications printed in both Serbian and Croatian and Slovak and Russian; also includes 3 of which the language was not clearly specified.

TABLE 22.—PERIODICALS, BY CHARACTER, NUMBER, AND CIRCULATION, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. In the cases of certain classes of periodicals, however, some of the "All other States" outranked some of the States shown separately]

CHARACTER OF PUBLICATION AND STATE	Number	Circulation
AGRICULTURE, STOCK RAISING, ETC.		
United States	228	16,553,866
California	12	148,504
Georgia	4	483,998
Illinois	24	1,468,462
Indiana	12	1,492,110
Iowa	20	2,829,914
Kansas	9	960,950
Massachusetts	8	817,880
Michigan	4	240,000
Minnesota	9	493,922
Missouri	8	232,410
New York	19	684,304
Ohio	9	414,841
Oregon	7	159,665
Pennsylvania	10	3,001,615
Texas	12	227,625
Washington	7	149,443
Wisconsin	7	266,366
All other States	47	2,491,857
ART, MUSIC, AND DRAMA		
United States	56	1,189,960
Illinois	8	38,583
Massachusetts	7	25,646
New York	26	268,536
All other States	15	857,195
AUTOMOBILES, MOTOR BOATS, ETC.		
United States	69	1,211,158
California	7	181,488
Illinois	6	171,100
New York	20	274,482
Pennsylvania	13	179,052
All other States	23	405,036
COLLEGE AND SCHOOL PERIODICALS		
United States	182	1,232,071
California	13	53,300
Colorado	5	13,250
Connecticut	5	20,848
Illinois	10	344,600
Indiana	4	9,700
Iowa	7	26,400
Massachusetts	23	137,400
Michigan	9	34,800
New Hampshire	3	8,226
New Jersey	4	21,000
New York	16	84,000
Ohio	9	22,250
Oregon	8	20,390
Pennsylvania	22	172,900
Texas	5	18,800
Virginia	4	8,500
Washington	5	14,560
All other States	30	221,147
COMMERCE, FINANCE, AND INSURANCE		
United States	217	2,126,202
California	19	43,255
Colorado	4	7,837
Illinois	31	439,866
Iowa	6	159,025
Louisiana	5	9,367
Massachusetts	13	60,602
Minnesota	3	5,475
Missouri	8	25,227
New York	79	755,347
Ohio	5	133,800
Pennsylvania	13	61,868
All other States	31	424,533
FICTION (WHOLLY)		
United States	61	14,924,309
Illinois	6	1,167,113
New York	48	12,567,344
All other States	7	1,189,852
LABOR (BY LABOR ORGANIZATIONS)		
United States	197	3,822,100
California	17	42,560
District of Columbia	13	760,979
Illinois	29	342,360
Indiana	3	334,192
Iowa	5	72,600
Michigan	5	188,000
Minnesota	7	31,362
Missouri	9	110,999
New York	29	400,565
Ohio	22	566,833
Pennsylvania	9	87,168
Tennessee	3	8,300
Texas	6	16,500
Washington	4	8,978
All other States	31	344,554
MEDICINE, SURGERY, AND DENTISTRY		
United States	121	866,717
Illinois	36	385,314
Missouri	10	37,469
New York	20	109,500
Ohio	4	17,036
Pennsylvania	11	137,491
All other States	40	179,907
MOTION PICTURES		
United States	25	1,598,994
New York	11	1,017,591
All other States	14	581,403

TABLE 22.—PERIODICALS, BY CHARACTER, NUMBER, AND CIRCULATION, BY STATES: 1925—Continued

[See note at head of this table]

CHARACTER OF PUBLICATION AND STATE	Number	Circulation
NEWS SUMMARIES, GENERAL LITERATURE, AND FAMILY READING		
United States	115	36,784,923
District of Columbia	6	1,369,500
Illinois	17	6,392,876
Massachusetts	6	501,321
New York	46	10,935,280
All other States	40	17,585,946
RELIGION		
United States	1,441	39,611,282
Alabama	4	114,681
Arkansas	5	44,800
California	19	298,759
District of Columbia	9	553,371
Illinois	399	6,001,097
Indiana	54	818,273
Kansas	6	26,450
Kentucky	10	120,000
Massachusetts	33	1,304,262
Michigan	22	118,541
Minnesota	16	180,561
Missouri	134	2,198,139
Nebraska	6	24,670
New Jersey	4	90,500
New York	106	2,808,228
North Carolina	7	149,500
Ohio	164	7,731,805
Oklahoma	8	68,500
Oregon	7	95,075
Pennsylvania	253	6,759,050
Tennessee	71	8,541,985
Texas	20	361,046
Utah	5	69,200
Virginia	32	710,045
Wisconsin	18	155,850
All other States	29	265,994
SCIENCE AND TECHNOLOGY		
United States	148	1,629,370
California	3	16,812
District of Columbia	11	63,927
Illinois	14	116,657
Maryland	21	20,941
Minnesota	4	21,305
New York	64	1,297,764
Pennsylvania	15	47,986
All other States	16	43,978
SOCIETY, FASHION, BEAUTY CULTURE, ETC.		
United States	59	27,708,100
New York	39	22,194,838
All other States	20	5,513,352
SPORTS, GAMES, AND AMUSEMENTS		
United States	76	1,565,737
California	9	36,078
Illinois	14	186,005
Missouri	5	78,576
New York	19	514,873
SPORTS, GAMES, AND AMUSEMENTS—continued		
Ohio	7	209,627
Pennsylvania	5	99,425
All other States	17	441,153
TRADE JOURNALS (NOT ELSEWHERE CLASSIFIED)		
United States	847	6,248,747
California	65	188,244
Colorado	10	37,004
District of Columbia	8	31,691
Florida	4	14,600
Georgia	21	96,743
Illinois	183	1,911,821
Indiana	10	145,343
Iowa	8	26,872
Kansas	4	21,600
Louisiana	5	11,175
Maryland	4	17,077
Massachusetts	33	187,263
Michigan	23	360,082
Minnesota	16	57,830
Missouri	22	220,292
Nebraska	5	10,250
New York	273	2,028,101
North Carolina	5	14,695
Ohio	29	276,154
Oregon	11	53,055
Pennsylvania	42	196,782
Texas	14	76,507
Washington	12	27,975
Wisconsin	15	53,437
All other States	25	191,154
MISCELLANEOUS		
United States	654	22,207,863
California	45	1,027,533
Colorado	6	147,750
Connecticut	9	941,570
District of Columbia	42	2,439,797
Florida	3	20,137
Illinois	92	4,341,565
Indiana	7	1,173,963
Iowa	9	210,168
Kansas	11	253,859
Kentucky	9	411,300
Maryland	18	114,738
Massachusetts	31	517,446
Michigan	17	139,432
Minnesota	13	117,856
Missouri	17	212,320
Nebraska	9	928,150
New Jersey	10	112,625
New York	135	7,148,820
North Carolina	5	47,800
Ohio	33	515,877
Oklahoma	7	161,925
Oregon	6	32,666
Pennsylvania	51	552,124
Tennessee	3	24,750
Texas	10	52,579
Utah	4	12,500
Virginia	8	80,176
Washington	9	163,516
Wisconsin	19	248,039
All other States	16	56,882

TABLE 23.—PERIODICALS, BY PERIOD OF ISSUE, NUMBER, AND CIRCULATION, BY STATES: 1925, 1923, AND 1921

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, outranked some of those shown separately]

STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
WEEKLY (Not including newspapers, for which see Table 18)									
United States	1,133	984	995	34,825,743	31,435,689	23,090,406	50.8	10.8	36.1
Alabama	7	5	4	496,980	378,960	245,628	102.3	31.1	54.3
Arkansas	5	5	8	39,000	19,200	54,523	—28.5	103.1	—64.8
California	68	50	54	506,574	353,656	350,513	44.5	43.2	.9
Colorado	12	8	8	36,483	52,055	22,000	65.8	—29.9	136.6
Connecticut	6	7	8	49,948	50,500	33,440	49.4	—1.1	51.0
District of Columbia	15	11	10	1,764,883	838,006	347,134	408.4	110.6	141.4
Florida	6	5	4	37,837	29,351	22,000	67.4	28.9	29.9
Georgia	8	8	9	62,582	70,850	22,200	181.9	—11.7	219.1
Illinois	155	118	129	4,853,384	2,906,395	2,742,782	77.0	67.0	6.0
Indiana	40	23	31	1,427,626	222,209	305,500	367.3	542.5	—27.3
Iowa	13	8	14	380,314	363,431	382,850	1.7	7.1	—5.1
Kansas	12	13	10	178,450	175,376	221,769	—19.5	1.8	—20.9
Kentucky	14	13	7	120,900	133,908	38,900	210.1	—9.7	243.4
Louisiana	10	11	11	45,148	47,485	31,100	45.2	—4.9	52.7
Maryland	12	13	13	88,372	79,652	71,456	23.7	10.9	11.5
Massachusetts	52	40	40	880,930	754,769	683,452	28.9	16.7	10.4
Michigan	30	25	23	829,594	271,235	417,085	98.9	205.9	—35.0
Minnesota	27	20	20	374,924	294,154	293,588	27.7	27.5	.2
Missouri	57	66	62	783,440	817,762	703,778	11.3	—4.2	16.2
Nebraska	11	13	13	143,625	211,206	253,644	—43.4	—32.0	—16.7
New Jersey	10	6	6	111,685	91,050	86,490	29.1	22.7	5.3
New York	218	212	202	11,743,919	13,257,536	8,006,343	46.7	—11.4	65.6
North Carolina	6	7	11	79,695	78,444	74,312	7.2	1.6	5.6
Ohio	76	75	76	2,556,996	2,576,485	2,943,711	—13.1	—.8	—12.5
Oklahoma	7	8	5	38,609	35,142	21,739	77.6	9.9	61.7
Oregon	14	15	14	110,920	161,102	181,141	—38.8	—31.1	—11.1
Pennsylvania	104	86	78	4,791,153	5,024,786	2,545,346	88.2	—4.6	97.4
South Carolina	4	2	3	28,400	11,590	13,400	111.9	145.0	—13.5
Tennessee	28	29	20	803,840	764,864	456,926	75.9	5.1	67.4
Texas	30	28	33	539,546	556,304	523,918	3.0	—3.0	6.2
Virginia	15	10	13	203,550	410,068	426,118	—31.1	—28.4	—3.8
Washington	23	13	17	260,961	32,133	148,878	75.3	712.1	—78.4
West Virginia	3	5	5	9,000	14,399	19,800	—54.5	—37.5	—27.3
Wisconsin	19	12	20	323,595	306,311	330,132	—2.0	5.6	—7.2
All other States	10	14	14	23,880	45,315	68,120	—64.9	—47.3	—33.5
SEMIMONTHLY AND BIWEEKLY									
United States	232	193	225	6,773,105	5,531,731	6,501,037	4.2	22.4	—14.9
Arkansas	4	3	2	116,491	100,670	89,218	30.6	15.7	12.8
California	12	9	6	50,650	36,300	112,457	—55.0	39.5	—67.7
District of Columbia	8	8	4	398,532	193,953	27,332	(2)	105.5	609.6
Georgia	4	4	3	476,667	506,680	400,040	19.2	—5.9	26.7
Illinois	30	28	37	289,159	280,672	310,499	—6.9	3.0	—9.6
Indiana	4	5	4	312,300	328,300	325,425	—4.0	—4.9	.9
Iowa	6	4	7	315,199	181,880	45,219	597.0	73.3	302.2
Kentucky	3	5	2	120,000	107,847	26,241	357.3	11.3	311.0
Michigan	6	5	2	74,061	123,486	7,600	874.5	—40.0	(2)
Minnesota	5	5	11	207,650	156,683	368,391	—43.6	32.5	—57.5
Missouri	19	15	20	347,414	310,598	523,187	—33.6	11.9	—40.6
Nebraska	4	3	3	35,074	51,474	35,075	-------	—31.9	46.8
New York	55	36	44	2,011,558	1,622,317	2,238,055	—10.1	24.0	—27.5
Ohio	10	15	16	206,369	182,948	229,809	—10.2	12.8	—20.4
Oregon	3	3	6	115,789	105,150	98,550	17.5	10.1	6.7
Pennsylvania	22	6	8	269,990	33,741	20,550	(2)	700.2	64.2
Texas	5	3	5	74,000	13,095	94,550	—21.7	465.1	—86.2
Washington	3	3	3	17,010	18,250	20,438	—16.8	—6.8	—10.7
Wisconsin	5	3	6	63,200	28,123	65,123	—3.0	124.7	—56.8
All other States	24	30	36	1,271,992	1,149,564	1,463,278	—13.1	10.6	—21.4

See footnotes at end of table

TABLE 23.—PERIODICALS, BY PERIOD OF ISSUE, NUMBER, AND CIRCULATION, BY STATES: 1925, 1923, AND 1921—Continued

[See note at head of this table]

STATE	NUMBER [1]			AGGREGATE CIRCULATION PER ISSUE [1]					
							Per cent of increase or decrease (—)		
	1925	1923	1921	1925	1923	1921	1921–1925	1923–1925	1921–1923
MONTHLY									
United States	2,271	1,907	1,907	111,875,957	91,054,028	83,459,144	34.0	22.1	9.8
Alabama	4	4	4	131,983	75,255	57,698	128.7	75.4	30.4
Arkansas	3	3	4	20,750	15,200	10,350	100.5	36.5	46.9
California	109	106	100	852,387	897,713	945,647	—9.9	—5.0	—5.1
Colorado	19	16	17	257,354	115,310	109,578	134.9	123.2	5.2
Connecticut	10	6	5	1,052,726	830,100	21,150	(2)	26.8	(2)
Delaware	3	1	1	45,500	28,344	25,500	78.4	60.5	11.2
District of Columbia	60	50	48	3,071,513	2,013,883	2,058,813	49.2	52.5	—2.2
Florida	8	6	10	29,697	35,992	30,568	—2.8	—17.5	17.7
Georgia	23	31	31	101,692	151,989	107,854	—5.7	—33.1	40.9
Illinois	589	333	280	16,128,205	13,126,020	13,395,195	20.4	22.9	—2.0
Indiana	33	37	48	2,722,265	2,520,782	2,532,117	7.5	8.0	—.4
Iowa	35	28	33	3,490,805	2,576,233	2,265,730	54.1	35.5	13.7
Kansas	21	15	13	2,764,293	2,576,309	2,203,317	25.5	7.3	16.9
Kentucky	13	12	14	583,150	440,380	190,413	206.3	32.4	131.3
Louisiana	8	6	11	106,248	79,935	144,500	—26.5	32.9	—44.7
Maine	6	5	6	3,658,250	3,658,449	2,911,200	25.7	(2)	25.7
Maryland	23	15	20	116,939	33,909	81,108	44.2	244.9	—58.2
Massachusetts	85	66	65	2,934,306	2,552,100	2,628,189	11.6	15.0	—2.9
Michigan	45	51	44	1,430,235	1,578,640	1,495,105	—4.3	9.4	5.6
Minnesota	40	34	27	1,471,037	1,319,521	1,280,900	14.8	11.5	3.0
Missouri	79	69	79	2,170,122	1,971,253	1,956,005	10.9	10.1	.8
Montana	3	2	2	11,805	3,900	5,000	136.1	202.7	—22.0
Nebraska	13	14	16	1,001,752	988,877	986,487	1.5	1.3	.2
New Hampshire	4	2	3	12,226	15,452	11,400	7.2	—20.9	35.5
New Jersey	13	19	16	354,205	309,469	247,469	43.1	14.5	25.1
New York	546	518	500	45,639,181	37,793,343	33,472,505	36.3	20.8	12.9
North Carolina	10	7	3	156,350	55,725	7,750	(2)	180.6	619.0
Ohio	101	106	104	10,302,873	7,417,337	6,225,185	65.5	38.9	19.2
Oklahoma	10	6	8	312,650	51,800	39,950	682.6	503.6	29.7
Oregon	26	21	22	144,569	130,864	116,789	23.8	10.5	12.1
Pennsylvania	164	154	203	7,759,566	5,848,012	5,094,843	52.3	32.7	14.8
Tennessee	23	20	24	1,408,675	870,849	1,472,306	—4.3	61.8	—40.9
Texas	34	35	30	580,614	551,826	347,852	66.9	5.2	58.6
Utah	10	7	9	86,700	58,350	109,000	—20.5	48.6	—46.5
Virginia	16	9	13	247,926	159,768	125,433	97.7	55.2	27.4
Washington	24	26	24	123,997	151,286	110,033	12.7	—18.0	37.5
Wisconsin	43	40	44	439,607	431,248	431,112	2.0	1.9	(2)
All other States	15	27	26	153,714	218,605	205,093	—25.1	—29.7	6.6
QUARTERLY									
United States	553	555	515	22,840,186	22,197,918	21,745,216	5.0	2.9	2.1
Connecticut	3	4	2	50,185	24,065	19,000	164.1	108.5	26.7
District of Columbia	11	5	6	125,594	81,347	39,664	216.6	54.4	105.1
Illinois	61	60	32	2,016,669	3,524,297	3,179,208	—36.6	—42.8	10.9
Indiana	12	6	9	94,000	93,900	130,850	—28.2	.1	—28.2
Maryland	10	6	5	8,419	4,410	3,144	167.8	90.9	40.3
Massachusetts	18	20	30	670,847	657,170	889,639	—24.6	2.1	—26.1
Michigan	8	2	------	134,315	6,500	------	------	(2)	------
Missouri	62	47	52	965,456	521,972	672,234	43.6	85.0	—22.4
New York	47	49	59	2,713,427	2,876,531	2,298,621	18.0	—5.7	25.1
North Carolina	4	5	5	73,050	356,800	93,500	—21.9	—79.5	281.6
Ohio	93	100	117	5,478,754	3,429,703	3,380,546	62.1	59.7	1.5
Pennsylvania	143	150	109	3,590,078	4,009,388	3,337,033	7.6	—10.5	20.1
Tennessee	36	37	38	6,398,920	4,346,291	5,471,335	17.0	47.2	—20.6
Wisconsin	3	3	3	48,300	2,605	9,830	391.4	(2)	—73.5
All other States	42	61	48	472,172	2,262,939	2,220,612	—78.7	—79.1	1.9

[1] See "Number of publications and aggregate circulation per issue," p. 653.
[2] Percentages higher than 1,000 are not shown.
[3] Less than one-tenth of 1 per cent.

TABLE 24.—GENERAL STATISTICS FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES, AND FOR BRANCHES, BY STATES: 1925

BRANCH OF INDUSTRY AND STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [1]
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)							
THE INDUSTRY AS A WHOLE												
United States	21,056	431,077	16,322	[2]163,483	251,272	408,308	[2]$339,734,548	$438,832,974	$138,872,030	$610,058,696	$2,269,638,230	$1,659,579,534
BOOK AND JOB												
United States	10,322	180,870	8,819	38,735	133,316	169,283	90,880,284	219,830,346	50,531,031	228,689,864	806,887,417	578,197,553
Alabama	62	700	47	124	529	585	301,658	746,297	98,619	823,745	2,616,824	1,793,079
Arizona	14	143	11	22	110	92	46,751	169,757	----------	163,234	557,738	394,504
Arkansas	34	575	26	169	380	422	358,359	535,399	7,458	626,775	2,040,139	1,413,364
California	745	7,735	795	1,585	5,355	6,999	3,760,850	9,887,498	1,737,770	12,036,893	37,521,280	25,484,387
Colorado	99	1,318	87	285	946	1,236	580,680	1,451,658	243,677	1,863,076	5,491,213	3,628,137
Connecticut	162	2,271	137	420	1,714	2,160	875,610	2,439,157	217,708	2,635,747	7,997,088	5,361,341
Delaware	14	162	12	20	130	178	51,416	159,102	10,642	151,608	472,580	320,972
District of Columbia	86	1,473	68	207	1,198	1,366	498,727	1,927,456	189,955	1,844,094	5,877,065	4,032,971
Florida	105	1,071	96	201	774	893	464,581	1,247,110	68,871	1,722,195	5,030,560	3,308,365
Georgia	113	1,699	100	294	1,305	1,546	659,001	1,675,186	113,544	2,095,171	6,285,439	4,190,268
Idaho	12	119	13	28	78	92	46,158	113,554	325	118,372	390,314	271,942
Illinois	1,128	31,670	888	6,207	24,575	33,152	16,302,886	45,153,598	11,325,399	37,767,068	154,216,947	116,449,879
Indiana	220	4,108	219	869	3,020	3,791	1,849,746	4,193,228	801,587	4,234,605	14,759,171	10,524,566
Iowa	188	1,870	187	413	1,270	2,143	887,372	1,781,327	120,601	2,034,371	6,473,164	4,438,793
Kansas	97	907	109	180	618	788	357,900	825,332	65,065	991,965	3,098,466	2,106,501
Kentucky	86	1,782	55	294	1,433	1,476	631,234	1,819,690	26,584	1,945,888	5,686,039	3,740,151
Louisiana	90	1,139	55	306	778	1,034	590,221	1,050,195	166,192	1,258,697	4,039,629	2,780,932
Maine	55	521	51	102	368	517	187,173	468,128	68,607	533,786	1,646,276	1,112,490
Maryland	178	3,219	135	695	2,389	6,676	1,563,488	3,520,137	505,568	4,863,949	14,014,131	9,150,182
Massachusetts	609	11,907	510	2,632	8,765	10,792	6,069,787	13,542,161	4,892,968	13,732,130	57,044,737	43,312,607
Michigan	397	5,904	365	1,249	4,290	5,809	2,997,686	7,112,386	1,094,207	8,927,815	27,358,731	18,430,916
Minnesota	233	4,189	172	1,165	2,852	3,551	2,351,242	3,950,174	493,271	4,802,056	15,534,694	10,732,638
Mississippi	20	282	16	52	214	303	107,631	253,946	1,500	350,705	919,226	568,521
Missouri	394	6,867	268	1,525	5,074	6,918	3,644,831	8,185,752	750,967	10,095,473	29,153,761	19,058,288
Montana	22	219	7	46	166	237	86,084	264,940	11,462	339,593	864,591	524,998

Nebraska	103	1,196	94	269	833	1,244	568,946	1,182,779	173,962	1,760,813	5,082,308	3,321,495
Nevada	5	41	2	5	34	54	13,653	57,425	5,222	51,906	165,081	113,175
New Hampshire	32	751	33	73	645	728	164,297	901,462	7,746	401,912	1,978,423	1,576,511
New Jersey	291	4,944	248	890	3,806	4,907	1,927,635	6,282,569	596,125	6,172,554	20,606,195	14,433,641
New Mexico	4	45	4	4	37	32	12,610	55,860	----------	46,439	169,625	123,186
New York	1,799	37,705	1,388	9,456	26,861	27,232	22,728,490	50,710,775	20,792,272	45,648,906	190,295,341	144,646,435
North Carolina	73	941	53	184	704	732	413,457	1,019,839	90,482	1,040,339	3,302,934	2,262,595
North Dakota	17	197	9	51	137	191	110,145	195,300	8,916	196,059	640,774	444,715
Ohio	658	12,159	521	2,388	9,250	12,375	5,809,841	14,005,536	2,551,751	17,427,039	56,086,717	38,659,678
Oklahoma	84	657	89	136	432	576	275,612	624,509	45,916	745,913	2,386,860	1,640,947
Oregon	110	936	117	194	625	1,091	425,709	1,045,989	60,844	1,356,858	4,133,679	2,776,821
Pennsylvania	883	14,613	872	2,875	10,866	13,806	6,686,526	16,135,544	1,890,790	19,296,397	58,024,000	38,727,603
Rhode Island	65	1,169	66	236	867	844	582,785	1,125,774	93,546	1,296,693	3,759,335	2,462,642
South Carolina	33	446	33	90	323	337	167,171	400,646	11,992	424,396	1,396,100	971,704
South Dakota	19	201	10	67	124	163	137,048	153,274	2,964	156,620	533,905	377,285
Tennessee	99	1,834	78	392	1,364	1,668	855,825	1,960,737	204,013	2,319,240	7,038,785	4,719,545
Texas	220	2,891	208	698	1,985	2,355	1,220,864	2,906,283	292,033	3,285,932	10,713,922	7,427,990
Utah	36	370	28	89	253	357	162,868	337,823	40,958	395,125	1,152,202	757,077
Vermont	25	378	17	45	316	274	95,532	417,133	16,036	322,771	1,103,140	780,369
Virginia	113	2,116	91	380	1,645	1,774	807,227	1,951,630	146,220	2,654,629	7,351,900	4,697,271
Washington	197	1,496	170	339	987	1,390	738,559	1,623,367	191,740	1,924,039	6,344,100	4,420,061
West Virginia	48	534	36	87	411	746	207,516	649,041	11,646	442,559	1,657,214	1,214,655
Wisconsin	234	3,339	213	688	2,438	3,584	1,475,914	3,537,532	281,452	5,283,549	13,806,237	8,322,688
Wyoming	11	61	10	9	42	67	20,982	76,351	1,858	80,165	268,837	188,672
MUSIC												
United States	109	2,449	35	1,459	955	1,363	3,155,504	1,461,661	2,763,429	1,828,230	15,089,636	13,261,406
California	4	25	1	7	17	47	7,198	33,194	32,115	27,810	307,578	279,768
Illinois	15	282	6	171	105	119	284,862	177,758	281,969	152,906	1,423,359	1,270,453
Massachusetts	9	266	3	136	127	136	256,130	164,334	335,057	182,074	1,514,313	1,332,239
Missouri	7	109	--------	89	20	17	97,471	24,788	9,858	40,357	467,786	427,429
New York	46	1,258	10	829	419	505	2,103,460	773,884	1,644,335	922,134	8,977,031	8,054,897
Ohio	8	162	5	140	17	25	229,197	24,452	304,093	67,266	1,016,693	949,427
Pennsylvania	7	199	6	41	152	379	81,548	128,818	49,727	226,211	670,130	443,919
All other States [3]	13	148	4	46	98	135	95,638	134,433	106,275	209,472	712,746	503,274

See footnotes at end of table

TABLE 24.—GENERAL STATISTICS FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES, AND FOR BRANCHES, BY STATES: 1925—Continued

BRANCH OF INDUSTRY AND STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [1]
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)							
NEWSPAPER AND PERIODICAL												
United States	10,625	247,758	7,468	123,289	117,001	237,662	$245,698,760	$217,540,967	$85,577,570	$379,540,602	$1,447,661,177	$1,068,120,575
Alabama	106	1,650	88	836	726	1,784	1,430,075	1,255,693	476,118	2,333,950	8,171,856	5,837,906
Arizona	39	546	23	260	263	435	494,537	523,644	31,585	349,799	2,209,996	1,860,197
Arkansas	113	1,060	110	421	529	1,150	687,146	802,833	59,223	972,315	3,979,398	3,007,083
California	577	15,147	462	8,868	5,817	14,397	15,682,544	12,385,035	2,188,739	19,712,879	77,876,415	58,163,536
Colorado	154	1,996	125	891	980	1,803	1,442,899	1,666,006	592,963	2,607,746	10,123,331	7,515,585
Connecticut	87	3,600	30	1,576	1,994	3,756	3,685,892	3,366,951	479,712	6,002,531	19,916,496	13,913,965
Delaware	17	417	6	170	241	378	271,860	361,249	40,334	374,547	1,449,172	1,074,625
District of Columbia	87	3,313	24	2,171	1,118	2,193	4,666,263	2,137,230	2,841,561	4,771,551	20,996,472	16,224,921
Florida	138	4,048	77	2,038	1,933	3,478	2,997,367	3,944,802	66,078	3,943,147	23,001,311	19,058,164
Georgia	138	2,547	99	1,156	1,292	2,255	2,244,495	1,997,424	389,329	3,580,523	12,454,296	8,873,773
Idaho	75	573	63	209	301	492	353,704	554,612	11,712	434,795	2,045,978	1,611,183
Illinois	875	23,552	556	12,709	10,287	19,763	26,474,674	19,771,767	11,320,453	39,611,628	151,206,220	111,594,592
Indiana	321	6,036	250	2,538	3,248	6,570	4,481,373	5,218,671	1,162,509	7,919,296	28,448,889	20,529,593
Iowa	424	5,599	430	2,240	2,929	5,903	3,866,434	4,737,208	464,834	5,424,601	24,430,772	19,006,171
Kansas	275	3,322	282	1,404	1,636	2,806	2,003,520	2,469,604	121,336	3,515,559	13,648,944	10,133,385
Kentucky	158	2,394	123	1,111	1,160	1,633	1,802,566	1,870,350	475,337	2,639,404	9,724,976	7,085,572
Louisiana	77	1,654	60	841	753	1,864	1,661,261	1,252,568	117,812	2,374,839	8,475,268	6,100,429
Maine	48	1,513	18	567	928	1,214	1,021,743	1,202,103	5,872	2,089,240	6,551,990	4,462,750
Maryland	86	2,773	46	1,435	1,292	2,470	2,476,203	2,255,293	797,656	4,395,950	14,052,687	9,656,737
Massachusetts	333	11,432	139	5,954	5,339	13,319	12,023,301	10,902,811	5,953,605	20,647,148	66,617,133	45,969,985
Michigan	372	7,351	304	3,552	3,495	8,461	6,973,392	7,009,734	1,592,920	11,847,041	44,274,328	32,427,287
Minnesota	382	5,730	316	2,574	2,840	5,852	4,469,731	4,552,617	866,161	7,336,674	28,093,992	20,757,318
Mississippi	94	658	91	178	389	710	297,262	561,536	8,382	464,632	2,336,058	1,871,426
Missouri	387	7,878	320	3,592	3,966	8,105	6,487,417	7,103,825	1,222,090	13,754,333	43,327,824	29,573,491
Montana	91	941	50	356	535	987	697,085	1,002,524	28,505	765,820	3,401,922	2,636,102

Nebraska	231	2,652	213	1,142	1,297	2,289	1,815,776	2,070,585	366,753	2,866,566	10,823,482	7,956,916
Nevada	22	146	16	62	68	141	116,793	145,286	6,032	101,123	584,402	483,279
New Hampshire	49	583	28	188	367	558	329,964	576,802	117,830	397,309	2,016,179	1,618,870
New Jersey	238	5,246	141	2,168	2,937	5,740	4,333,564	5,826,215	708,924	6,160,099	25,491,734	19,331,635
New Mexico	36	277	22	105	150	330	168,033	238,225	4,148	159,186	856,020	696,834
New York	1,218	49,402	539	28,725	20,138	36,711	68,518,174	42,972,404	40,804,554	84,318,678	358,009,036	273,690,358
North Carolina	145	1,754	100	730	924	1,824	1,526,368	1,598,835	110,064	1,754,813	7,697,496	5,942,683
North Dakota	88	585	58	212	315	606	386,736	534,087	18,678	414,536	2,328,172	1,913,636
Ohio	505	16,557	277	7,702	8,578	18,494	14,799,963	15,135,514	3,132,203	29,263,498	101,515,510	72,252,012
Oklahoma	197	2,763	177	1,253	1,333	2,396	2,808,699	2,337,673	137,707	2,680,719	11,101,499	8,420,780
Oregon	131	2,345	103	1,070	1,172	2,203	1,948,197	1,994,128	301,764	3,262,836	10,406,032	7,143,196
Pennsylvania	690	24,256	423	10,816	13,017	29,431	19,328,101	23,224,499	3,232,481	52,537,288	175,472,674	122,935,386
Rhode Island	26	1,188	17	564	607	1,910	1,088,391	1,239,886	159,636	1,527,422	6,096,272	4,568,850
South Carolina	69	895	50	401	444	839	698,070	745,266	29,216	559,407	3,247,713	2,688,306
South Dakota	119	832	108	279	445	918	522,017	657,097	83,481	741,896	3,098,364	2,356,468
Tennessee	128	2,900	96	1,229	1,575	2,262	2,013,507	2,367,619	648,622	3,464,219	14,365,663	10,901,444
Texas	413	6,038	366	2,763	2,909	6,341	5,128,496	5,099,948	1,393,676	6,756,932	27,360,390	20,603,458
Utah	40	784	25	395	364	529	795,705	612,898	252,996	938,429	3,552,330	2,613,901
Vermont	37	440	24	164	252	350	297,222	371,412	25,939	251,393	1,482,415	1,231,022
Virginia	121	1,783	57	847	879	2,121	1,602,202	1,470,956	434,029	2,346,881	8,829,545	6,482,664
Washington	199	3,480	163	1,665	1,652	2,449	3,134,294	3,393,003	1,579,832	3,577,437	16,549,488	12,972,051
West Virginia	105	1,595	74	659	862	1,671	1,041,075	1,427,518	39,752	1,205,704	5,816,276	4,610,572
Wisconsin	326	5,238	269	2,409	2,560	5,459	4,429,306	4,304,463	601,427	6,161,271	22,983,303	16,822,032
Wyoming	38	289	30	94	165	312	175,363	290,558	13,000	223,012	1,161,458	938,446

[1] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[2] Not including 28 salaried officers and employees of central administrative offices, with salaries aggregating $137,439. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 163,511 salaried officers and employees and $339,871,987. (See "Central-administrative-office employees," p. 1193.)

[3] Arkansas, 1 establishment; Connecticut, 1; Iowa, 1; Kentucky, 1; Maryland, 1; Michigan, 2; Nebraska, 1; New Jersey, 1; Texas, 3; Virginia, 1; combined to avoid disclosing operations of individual establishments. One of the "All other States," however, reported a larger value of products than some of the States shown separately.

BOOKBINDING AND BLANK-BOOK MAKING

[A preliminary report for this industry was issued under date of December 23, 1926]

Description of the industry.—The principal products manufactured by establishments covered by this classification are ledgers, account books, pass books, sales books, and scrapbooks; receipts, orders, checks, etc., usually bound into books; loose-leaf devices and binders, holders, and sheets; and program blanks, pay rolls, bills of lading, X-ray ledgers, radium indexes, inventory blanks, pamphlets folded and stitched, etc. The binding of books and pamphlets for the trade is an important part of the industry, which also includes embossing, book gilding, paper ruling and cutting, book etching, card and paper etching, card beveling and bronzing, the mounting of maps and samples, etc. Many establishments assigned to the printing and publishing industry also do more or less work of this character.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products [2]	Value added by manufacture [3]	Horsepower
1925	970	20,836	$26,005,621	$1,088,428	$24,127,012	$81,600,302	$57,473,290	16,147
1923	965	20,728	25,216,055	914,583	23,073,048	76,959,420	53,886,372	15,539
1921	869	17,465	20,317,877	620,063	19,886,243	63,854,402	43,968,159	(4)
1919	1,113	20,361	18,658,821	452,225	23,235,171	66,020,677	42,785,506	[5] 11,037
1914	1,124	21,693	11,574,723	381,087	13,334,207	38,104,368	24,770,161	[5] 10,842
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	0.5	0.5	3.1	19.0	4.6	6.0	6.7	3.9
1921–1923	11.0	18.7	24.1	47.5	16.0	20.5	22.6	--------
1921–1925	11.6	19.3	28.0	75.5	21.3	27.8	30.7	--------
1914–1925	−13.7	−4.0	124.7	185.6	80.9	114.1	132.0	48.9

[1] Including also cost of fuel, electric power and mill supplies.

[2] Includes values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in bookbinding and blank-book making: 1925, $862,035. Corresponding amounts for earlier years not calculated. Does not include values of bookbinding and blank-book making made as secondary products by establishments classified in other industries: 1925, $18,506,791, 1923, $17,130,856; comparable figures for former years not available.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] Not called for on schedule.

[5] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

TABLE 2.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	970	25,089	815	3,438	20,836	16,147
California	51	1,270	50	279	941	945
Colorado	5	47	4	10	33	31
Connecticut	12	98	10	16	72	43
District of Columbia	5	71	7	4	60	35
Georgia	3	35	2	4	29	14
Illinois	98	2,580	79	254	2,247	1,433
Indiana	12	118	9	20	89	65
Iowa	10	242	10	79	153	161
Kentucky	3	44	1	5	38	23
Louisiana	9	65	11	3	51	30
Maine	7	87	4	12	71	92
Maryland	17	289	21	24	244	190
Massachusetts	82	3,013	59	306	2,648	1,846
Michigan	20	556	15	125	416	521
Minnesota	16	186	11	23	152	128
Missouri	36	1,126	26	200	900	1,162
Nebraska	6	29	7	3	19	27
New Jersey	21	391	20	27	344	178
New York	350	10,516	285	1,440	8,791	5,791
Ohio	51	1,197	45	244	908	1,031
Oklahoma	3	16	3	3	10	12
Oregon	6	57	2	13	42	47
Pennsylvania	81	1,757	75	156	1,526	1,244
Rhode Island	3	13	3	----------	10	2
Texas	8	91	7	11	73	59
Utah	3	18	1	3	14	11
Virginia	5	61	7	4	50	38
Washington	15	84	14	10	60	43
Wisconsin	16	283	13	56	214	125
All other States [1]	16	749	14	104	631	820

See footnotes at end of table

TABLE 2.—GENERAL STATISTICS, BY STATES: 1925—Continued

[See note at head of this table]

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [2]
United States	$8,113,580	$26,005,621	$1,088,428	$24,127,012	[3] $81,600,302	$57,473,290
California	643,004	1,374,017	65,127	1,610,969	5,196,359	3,585,390
Colorado	22,206	39,921	870	29,073	126,107	97,034
Connecticut	31,050	89,522	3,214	83,580	288,943	205,363
District of Columbia	6,395	75,781	5,516	29,113	160,494	131,381
Georgia	1,355	35,610	----------	20,657	92,666	72,009
Illinois	774,385	2,776,875	195,357	2,709,587	8,548,260	5,838,673
Indiana	43,070	106,667	500	112,615	350,690	238,075
Iowa	148,557	164,160	75,370	214,454	767,803	553,349
Kentucky	7,080	40,187	----------	12,728	75,469	62,741
Louisiana	3,373	49,783	2,067	18,910	115,766	96,856
Maine	22,447	74,881	9,073	67,395	217,498	150,103
Maryland	40,144	253,136	15,150	147,242	593,429	446,187
Massachusetts	737,709	3,246,360	36,788	2,896,274	9,347,079	6,450,805
Michigan	307,644	588,552	31,981	808,871	3,058,186	2,249,315
Minnesota	41,696	187,928	3,368	282,543	654,145	371,602
Missouri	445,240	1,081,068	8,229	1,212,964	3,924,831	2,711,867
Nebraska	8,711	23,446	180	22,576	82,226	59,650
New Jersey	71,767	384,221	3,219	203,026	874,296	671,270
New York	3,419,746	11,503,487	481,620	9,148,582	32,965,941	23,817,359
Ohio	498,663	1,232,920	50,095	1,649,318	5,460,804	3,811,486
Oklahoma	5,470	10,865	560	11,855	45,044	33,189
Oregon	32,223	56,265	6,145	51,000	189,552	138,552
Pennsylvania	408,951	1,617,089	32,466	1,287,251	4,478,649	3,191,398
Rhode Island	----------	9,928	----------	4,148	20,644	16,496
Texas	24,146	56,330	----------	79,261	239,371	160,110
Utah	4,330	14,427	9,172	11,926	52,179	40,253
Virginia	8,390	50,124	1,918	25,464	105,059	79,595
Washington	22,235	67,110	6,523	110,091	278,324	168,233
Wisconsin	110,988	234,303	42,933	255,029	898,606	643,577
All other States [1]	222,005	560,658	87	1,010,510	2,391,882	1,381,372

[1] Alabama, 2 establishments; Arizona, 1; Delaware, 1; Kansas, 2; Montana, 1; New Hampshire, 3; South Carolina, 1; South Dakota, 1; Tennessee, 4.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] See footnote 2, Table 1, p. 682.

ENGRAVING, STEEL AND COPPERPLATE, AND PLATE PRINTING

[A preliminary report for this industry was issued under date of October 9, 1926]

Description of the industry.—The establishments assigned to this industry are engaged primarily in engraving steel and copper plates, either for their own use or for use by others in printing. The products include, among others, engraved stationery, visiting or other cards, invitations, announcements, securities, bonds, stock certificates, music plates, maps, art engravings, etchings, book illustrations, and half tones.

The distinction between this industry and the "Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking" industry is found in the fact that the plates engraved in this industry are all intended for use in printing.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products [2]	Value added by manufacture [3]	Horsepower
1925	368	7,259	$10,168,600	$552,596	$7,628,311	$32,106,150	$24,477,839	5,764
1923	377	7,529	10,185,393	539,021	7,957,756	32,551,209	24,593,453	5,738
1921	367	7,156	9,612,206	472,037	7,608,520	28,778,665	21,170,145	(4)
1919	421	7,014	7,908,109	138,215	6,980,747	24,209,154	17,228,407	[5] 5,353
1914	399	6,859	4,526,684	267,207	3,914,508	13,786,385	9,871,877	5,670
	PER CENT OF INCREASE OR DECREASE (−)							
1923–1925	−2.4	−3.6	−0.2	2.5	−4.1	−1.4	−0.5	0.5
1921–1923	2.7	5.2	6.0	14.2	4.6	13.1	16.2	--------
1921–1925	.3	1.4	5.8	17.1	.3	11.6	15.6	--------
1914–1925	−7.8	5.8	124.6	106.8	94.9	132.9	148.0	1.7

[1] Including also cost of fuel, electric power, and mill supplies.

[2] Includes values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in engraving, steel and copperplate, and plate printing: 1925, $444,621. Corresponding amounts for earlier years not calculated. Does not include values of engraving, steel and copperplate, and plate printing, made as secondary products by establishments classified in other industries: 1925, $1,154,445; 1923, $428,960; 1921, $350,926; 1919, $437,169; 1914, $591,899.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] Not called for on schedule.

[5] This figure differs slightly from the corresponding one published in the report for 1919 because of the exclusion here and the inclusion in the previous report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

TABLE 2.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	368	9,099	309	1,531	7,259	5,764
California	29	282	38	39	205	95
Colorado	4	55	4	9	42	19
Connecticut	5	76	6	17	53	14
District of Columbia	8	145	9	26	110	66
Illinois	45	1,101	29	218	854	759
Indiana	5	112	4	32	76	54
Kentucky	10	283	5	49	229	79
Louisiana	3	21	3	6	12	7
Maryland	6	55	6	9	40	25
Massachusetts	21	684	18	89	577	193
Michigan	5	52	5	7	40	19
Minnesota	10	104	10	12	82	44
Missouri	17	427	9	83	335	138
New Jersey	18	375	15	35	325	212
New York	92	3,097	78	452	2,567	3,108
Ohio	15	310	9	45	256	126
Oregon	6	41	5	9	27	25
Pennsylvania	35	1,252	28	271	953	567
Rhode Island	4	131	4	14	113	47
Tennessee	3	16	1	2	13	5
Texas	6	139	7	26	106	45
Virginia	3	28	2	7	19	5
Washington	4	74	1	23	50	30
Wisconsin	3	74	4	17	53	13
All other States [1]	11	165	9	34	122	69

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [2]
United States	$3,536,829	$10,168,600	$552,596	$7,028,311	[3] $32,106,150	$24,477,839
California	95,501	298,512	9,505	210,019	888,389	678,370
Colorado	16,480	51,227	----------	30,083	133,329	103,246
Connecticut	23,594	60,568	1,757	62,870	201,256	138,386
District of Columbia	54,259	132,926	4,884	115,486	502,814	387,328
Illinois	451,801	1,172,634	44,174	1,169,775	4,168,752	2,998,977
Indiana	67,600	71,550	1,823	98,560	286,810	188,250
Kentucky	130,397	227,233	47,475	220,208	886,242	666,034
Louisiana	10,532	12,800	----------	32,095	90,985	58,890
Maryland	10,334	46,237	4,306	33,710	137,272	103,562
Massachusetts	210,128	669,167	11,612	715,897	2,214,290	1,498,393
Michigan	8,971	44,001	----------	70,434	160,557	90,123
Minnesota	24,282	103,973	11,004	77,947	307,184	229,237
Missouri	168,490	312,408	12,208	283,765	1,192,657	908,892
New Jersey	144,873	621,269	18,307	167,048	1,336,586	1,169,538
New York	1,227,760	4,135,616	214,734	2,556,174	12,334,665	9,778,491
Ohio	100,152	402,117	10,515	193,787	942,595	743,808
Oregon	14,795	38,232	2,385	38,170	143,442	105,272
Pennsylvania	561,161	1,130,380	140,992	1,009,913	4,169,750	3,159,837
Rhode Island	32,613	198,605	3,065	32,605	343,977	311,372
Tennessee	3,800	13,990	----------	14,000	51,000	37,000
Texas	35,070	136,685	1,949	181,833	579,652	397,819
Virginia	3,330	17,691	2,382	8,362	44,502	36,140
Washington	38,655	78,081	5,493	76,843	275,019	198,176
Wisconsin	37,952	48,155	----------	65,084	207,960	142,876
All other States [1]	64,309	144,543	4,076	163,643	506,465	342,822

[1] Alabama, 2 establishments; Florida, 1; Georgia, 2; Kansas, 1; Nebraska, 2; Oklahoma, 1; Utah, 2.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] See footnote 2, Table 1, p. 685.

LITHOGRAPHING

[A preliminary report for this industry was issued under date of December 22, 1926]

Description of the industry.—This industry embraces establishments engaged principally in the drawing or transferring of designs and the preparation of lithograph plates of stone or metal, and in printing from such plates. The products include calendars, bank notes, commercial and bank forms, maps, picture post cards, advertising signs and pictures, billheads, circulars, etc. Cigar bands, blank checks and drafts, bonds, letterheads, pass books, etc., are reported as products in both this and the "Engraving, steel and copperplate, and plate printing" industries. Some of the establishments in this industry draw designs and prepare lithograph plates for use by others in printing.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products [2]	Value added by manufacture [3]	Horsepower
1925	331	16,957	$27,106,883	$3,488,872	$32,171,152	$98,721,268	$66,550,116	28,623
1923	328	16,317	25,067,427	3,312,204	31,008,765	91,670,752	60,661,987	26,869
1921	296	13,971	21,085,435	2,312,388	30,522,209	79,472,260	48,950,051	(4)
1919	331	15,618	18,201,089	1,363,424	27,718,217	73,151,115	45,432,898	[5] 18,550
1914	336	15,171	11,861,018	703,601	14,017,181	39,135,973	25,118,792	[5] 15,024
	PER CENT OF INCREASE OR DECREASE (—)							
1923-1925	0.9	3.9	8.1	5.3	3.7	7.7	9.7	6.5
1921-1923	10.8	16.8	18.9	43.2	1.6	15.3	23.9	--------
1921-1925	11.8	21.4	28.6	50.9	5.4	24.2	36.0	--------
1914-1925	—1.5	11.8	128.5	395.9	129.5	152.3	164.9	90.5

[1] Including also cost of fuel, electric power, and mill supplies.

[2] Includes values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in lithographing, 1925, $4,891,048. Corresponding amounts for earlier years not calculated. Does not include value of lithographing reported by establishments classified in other industries: 1925, $14,693,256; 1923, $12,554,015; comparable figures for former years not available.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] Not called for on schedule.

[5] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

TABLE 2.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	331	20,965	104	3,904	16,957	28,623
California	19	1,060	17	252	791	1,615
Colorado	4	100	--------	26	74	95
District of Columbia	7	161	1	29	131	129
Illinois	43	2,134	16	423	1,695	1,981
Iowa	3	111	--------	22	89	146
Kentucky	4	380	--------	86	294	327
Maryland	7	681	8	113	560	1,313
Massachusetts	11	1,498	--------	324	1,174	2,646
Michigan	9	637	--------	119	518	996
Minnesota	4	173	2	26	145	191
Missouri	14	389	6	111	272	443
New Jersey	8	338	5	33	300	366
New York	109	7,579	27	1,369	6,183	11,042
Ohio	31	2,727	5	460	2,262	4,003
Pennsylvania	22	1,482	10	220	1,252	1,579
Washington	7	188	--------	40	148	226
Wisconsin	10	589	2	105	482	690
All other States [1]	19	738	5	146	587	835

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [2]
United States	$11,613,085	$27,106,883	$3,488,872	$32,171,152	[3] $98,721,268	$66,550,116
California	808,680	1,390,753	120,890	2,005,446	5,533,027	3,527,581
Colorado	83,077	99,911	1,173	220,048	472,227	252,179
District of Columbia	99,115	194,867	244	161,006	589,639	428,633
Illinois	1,427,501	2,661,504	452,669	3,187,520	11,711,781	8,524,261
Iowa	68,541	141,403	----------	288,122	704,074	415,952
Kentucky	223,284	434,774	11,935	403,690	1,569,090	1,165,400
Maryland	289,365	779,108	38,541	1,139,774	3,164,501	2,024,727
Massachusetts	930,558	1,642,130	35,160	1,916,281	5,448,652	3,532,371
Michigan	391,358	881,655	199,657	1,253,502	3,705,179	2,451,677
Minnesota	75,266	196,326	50,892	263,295	743,173	479,878
Missouri	367,607	469,561	39,733	848,634	2,062,925	1,214,291
New Jersey	116,384	421,337	25,263	304,965	1,062,900	757,935
New York	3,941,265	10,559,770	1,558,061	10,914,565	35,634,338	24,719,773
Ohio	1,253,445	3,515,157	424,048	4,619,420	13,067,465	8,448,045
Pennsylvania	702,927	1,901,470	288,603	1,941,635	6,126,397	4,184,762
Washington	124,655	252,118	2,901	448,301	1,041,096	592,795
Wisconsin	345,653	751,094	109,378	1,086,349	2,935,518	1,849,169
All other States [1]	364,404	813,945	129,724	1,168,599	3,149,286	1,980,687

[1] Alabama, 1 establishment; Connecticut, 2; Florida, 1; Georgia, 1; Indiana, 2; Louisiana, 1; Nebraska, 1; Rhode Island, 1; Tennessee, 1; Texas, 2; Utah, 2; Virginia, 3; West Virginia, 1.

[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[3] See footnote 2, Table 1, p. 687.

SUMMARY FOR INDUSTRIES IN GROUP 7 WHICH ARE NOT COVERED BY SEPARATE REPORTS, BY STATES

[This table presents summary statistics for the industries in Group 7 other than those for which separate reports are given on pp. 635–688. More detailed statistics for 1925 are given, for the United States as a whole, in Table II, p. 1288; and summaries for States and large cities, carrying statistics for these industries in comparison with those for other industries, appear in Tables III and IV, pp. 1302 and 1381. See "General explanations," pp. 3–12; in particular, "Limitation of statistics to establishments reporting products valued at $5,000 or more," p. 5, "Power equipment," p. 6, "Cost of materials," p. 7, "Value added by manufacture," p. 8, and "State and city statistics," p. 10.]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
BAGS, PAPER, EXCLUSIVE OF THOSE MADE IN PAPER MILLS							
[The manufacture of bags from purchased paper. *Principal products:* Bags for groceries and other merchandise; shopping bags; garment bags; bag, barrel, and car linings, etc. Some establishments in certain other industries—for example, the "Flour, feed, and other grain-mill products" industry—manufacture the paper bags in which their products are shipped, but the value of such bags is not separately reported]							
United States							
1925	66	5,585	6,414	$5,523,708	$29,956,962	[1] $45,979,902	$16,020,940
1923	64	4,686	6,108	4,586,991	29,375,224	[1] 42,272,470	12,897,246
1921	57	3,707	(2)	3,475,487	29,797,291	[1] 41,190,179	11,392,888
1919	75	4,168	4,429	3,662,830	33,350,481	[1] 47,263,990	13,913,509
States, 1925							
Illinois	5	556	745	562,060	3,393,951	4,714,240	1,320,289
Massachusetts	4	166	211	154,202	850,532	1,229,578	379,046
New Jersey	3	78	146	80,702	221,225	441,663	220,438
New York	19	1,439	1,944	1,523,876	9,839,160	15,142,970	5,303,810
Ohio	11	952	868	930,211	5,541,117	8,812,211	3,271,094
Pennsylvania	8	427	343	515,149	1,648,590	2,803,844	1,155,254
Wisconsin	3	316	570	305,078	1,447,893	2,337,037	889,144
All other States [3]	13	1,651	1,587	1,452,430	7,014,494	10,496,359	3,481,865

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of paper bags: 1925, $930,439; corresponding amounts for earlier years not calculated. Does not include the following values of paper bags made as secondary products by establishments classified in other industries: Paper mills—1925, $8,543,651; 1923, $6,659,092; 1921, $2,674,448; 1919, $6,469,010; establishments other than paper mills—1925, $5,404,588; 1923, $3,604,930; 1921, $1,595,273; 1919, $2,289,459.

[2] Not called for on schedule.

[3] California, 1 establishment; Connecticut, 1; Indiana, 1; Louisiana, 2; Maine, 1; Maryland, 3; Minnesota, 1; Mississippi, 1; Texas, 1; Virginia, 1.

BOXES, PAPER AND OTHER, NOT ELSEWHERE CLASSIFIED

[*Principal products:* Shipping containers, both solid and corrugated; set-up and folding paper boxes; cartons; paper pails, cans, and tubes. Decorated tin boxes, lacquered boxes, and textile-covered boxes were reported by some of the establishments]

United States							
1925	1,229	57,148	76,185	$57,172,027	$151,711,699	[1] $281,943,969	$130,232,270
1923	1,216	56,855	61,687	53,965,852	144,079,470	[1] 264,209,159	120,129,689
1921	1,191	46,242	(2)	40,476,681	88,267,758	[1] 174,248,477	85,980,719
1919	1,201	55,862	54,675	43,325,554	101,135,292	[1] 206,419,343	105,284,051
States, 1925							
California	43	1,646	2,354	1,955,463	5,506,547	9,732,422	4,225,875
Colorado	4	159	137	133,136	263,579	614,572	350,993
Connecticut	43	2,201	5,986	2,197,655	3,577,926	9,187,412	5,609,486
Georgia	9	410	350	273,189	902,516	1,599,094	696,578
Illinois	112	5,443	6,045	5,908,377	16,632,869	30,417,196	13,784,327
Indiana	21	1,856	2,784	1,782,338	8,251,016	13,078,957	4,827,941
Iowa	11	279	296	200,887	705,803	1,247,458	541,565
Kentucky	5	281	394	223,214	1,222,033	1,897,760	675,727
Louisiana	6	307	218	203,028	498,565	1,050,551	551,986
Maine	13	284	222	184,849	251,819	678,995	427,176
Maryland	28	2,733	2,733	2,627,273	7,364,364	12,947,344	5,582,980
Massachusetts	122	5,248	5,624	4,976,477	10,827,475	21,556,205	10,728,730
Michigan	21	947	1,451	966,244	3,092,131	5,269,207	2,177,076
Minnesota	16	763	1,297	830,612	2,301,445	4,657,654	2,356,209

See footnotes on next page at end of this section

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
BOXES, PAPER AND OTHER, NOT ELSEWHERE CLASSIFIED—Continued							
States, 1925—Contd.							
Missouri	52	2,709	3,651	2,500,999	7,548,084	13,275,555	5,727,471
New Hampshire	8	238	905	213,319	309,935	758,009	448,074
New Jersey	65	3,651	6,012	3,327,697	7,270,282	14,449,562	7,179,280
New York	325	12,924	14,153	14,690,832	29,875,155	63,109,226	33,234,071
North Carolina	6	268	127	162,917	336,251	739,250	402,999
Ohio	67	3,882	8,573	4,189,591	16,589,478	25,336,139	8,746,661
Oregon	7	184	266	154,155	306,505	687,010	380,505
Pennsylvania	142	5,339	4,363	4,530,213	8,924,114	18,917,271	9,993,157
Rhode Island	11	393	240	344,827	396,547	1,071,279	674,732
Tennessee	13	622	1,130	484,027	2,137,492	3,257,236	1,119,744
Texas	8	323	430	197,003	629,505	1,174,558	545,053
Virginia	12	608	627	448,963	1,320,366	2,261,805	941,439
Washington	12	258	302	257,265	733,421	1,303,618	570,197
West Virginia	4	249	648	247,911	1,297,582	1,995,587	698,005
Wisconsin	27	2,096	3,795	2,174,550	9,164,349	14,215,399	5,051,050
All other States [3]	16	847	1,063	785,017	3,474,455	5,457,638	1,983,183

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of boxes, paper and other, not elsewhere classified: 1925, $13,373,080; corresponding amounts for earlier years not calculated. Does not include the following values of paper and other boxes, made as secondary products by establishments classified in other industries: 1925, $41,342,506; 1923, $26,845,705; 1921, $18,367,029; 1919, $15,708,312.

[2] Not called for on schedule.

[3] Alabama, 1 establishment; Arkansas, 2; Delaware, 1; District of Columbia, 2; Kansas, 3; Nebraska 1; Oklahoma, 1; South Dakota, 1; Utah, 2; Vermont, 2.

CARD CUTTING AND DESIGNING

[*Principal products:* Index cards, guides, and folders; coin cards; sample cards; display cards for jewelry and other articles for sale; photograph mounts; pattern cards for weaving; program and menu cards; tabulating-machine cards. Some establishments in this industry reported as value of products the amounts received for work done on materials owned by others. The classes of products normally belonging to this industry are made also to a considerable extent as secondary products in certain other industries, but are not in all cases separately reported. The values of such products thus made outside the industry proper, so far as separately reported, are given in footnote 1]

United States							
1925	49	1,086	1,355	$1,083,764	$2,436,165	[1] $6,201,284	$3,765,119
1923	47	1,207	1,262	1,242,242	2,643,095	[1] 6,109,208	3,466,203
1921	49	762	(2)	803,406	2,018,892	[1] 4,557,834	2,538,942
1919	75	1,148	743	958,877	2,298,389	[1] 5,323,349	3,024,960
States, 1925							
New Jersey	5	36	24	57,668	128,077	282,705	154,628
New York	15	259	223	264,975	498,384	1,258,790	760,406
Ohio	5	237	189	241,969	415,862	1,240,500	824,638
Pennsylvania	10	190	119	205,795	317,192	851,963	534,771
All other States [3]	14	364	800	313,357	1,076,650	2,567,326	1,490,676

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in card cutting and designing: 1925, $195,812; corresponding amounts for earlier years not calculated. Does not include the following values of cards cut and designed as secondary products by establishments classified in other industries: 1925, $3,180,359; 1923, $779,031; 1921, $288,262; 1919, $368,752.

[2] Not called for on schedule.

[3] District of Columbia, 1 establishment; Illinois, 3; Indiana, 1; Maryland, 2; Massachusetts, 3; Michigan, 1; Rhode Island, 2; Wisconsin, 1.

SUMMARY FOR INDUSTRIES IN GROUP 7 WHICH ARE NOT COVERED BY SEPARATE REPORTS, BY STATES—Continued

[See note at head of this table, p. 689]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
CARDBOARD, NOT MADE IN PAPER MILLS							
[The establishments in this industry are those engaged primarily in surface coating and glazing paper, box board, fiber board, and the like. *Principal products:* Printers' cardboard, display cut-outs, lithographic mounts, etc. The production of cardboard and similar commodities by paper mills exceeds that reported for the cardboard industry. (See Table 5, p. 638)]							
United States							
1925	13	978	1,795	$1,188,290	$3,474,507	[1] $7,288,016	$3,813,509
1923	15	1,176	2,354	1,339,370	5,331,704	[1] 9,339,814	4,008,110
1921	20	1,157	([2])	1,172,139	3,914,393	[1] 7,641,962	3,727,569
1919	16	1,425	3,251	1,337,177	4,953,915	[1] 9,138,415	4,184,500
States, 1925							
Pennsylvania	5	353	682	420,382	1,135,464	2,460,767	1,325,303
All other States [3]	8	625	1,113	767,908	2,339,043	4,827,249	2,488,206

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of cardboard: 1925, $808,996; corresponding amounts for earlier years not calculated. Does not include the following values of cardboard made as secondary products by establishments classified in other industries: Paper mills—1925, $15,527,504; 1923, $20,429,205; 1921, $12,784,560; 1919, $11,104,105. Establishments other than paper mills—1925, $29,489; 1923, no comparable data; 1921, $124,028; 1919, $126,795. The total value of cardboard manufactured in all establishments regardless of industry classifications (and including the value of products other than cardboard reported by establishments classified in the cardboard industry), was as follows: 1925, $22,844,079; 1923, $29,769,019; 1921, $20,550,550; 1919, $20,369,315.

[2] Not called for on schedule.

[3] California, 1 establishment; Illinois, 3; Massachusetts, 2; New York, 1; Rhode Island, 1.

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
ENGRAVERS' MATERIALS							
[*Principal products:* Ground and polished copper, zinc, and steel plates for engravers, etchers, and lithographers; prepared chalk plates and color plates; wood engraving blocks and mounting blocks. Some establishments are engaged exclusively in contract work on materials owned by others]							
United States							
1925	16	177	921	$276,204	$1,202,203	[1] $2,014,036	$811,833
1923	24	224	832	391,557	1,359,350	[1] 2,302,627	943,277
1921	22	184	([2])	302,206	1,046,403	[1] 1,816,873	770,470
1919	21	174	733	212,171	1,484,269	[1] 2,248,122	763,853
States, 1925							
Illinois	4	74	358	120,495	512,075	825,652	313,577
New York	5	38	255	62,378	298,018	489,534	191,516
All other States [3]	7	65	308	93,331	392,110	698,850	306,740

[1] Does not include the following values of engravers' materials made as secondary products by establishments classified in other industries: 1925, $33,094; 1923, no comparable data; 1921, $40,840; 1919, $90,807.

[2] Not called for on schedule.

[3] California, 1 establishment; Connecticut, 1; Indiana, 1; Missouri, 1; New Jersey, 1; Ohio, 1; Pennsylvania, 1.

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
ENGRAVING (OTHER THAN STEEL, COPPERPLATE, OR WOOD), CHASING, ETCHING, AND DIESINKING							
[This industry embraces establishments engaged primarily in engraving and etching for purposes other than printing. *Principal products:* Engraved and etched jewelry, silverware, metal signs, seals, badges, dies, etc. Much of the work done in this industry consists in engraving and etching jewelry and silverware for the retail trade on a custom basis]							
United States							
1925	188	1,827	1,753	$2,690,803	$2,177,251	[1] $8,622,823	$6,445,572
1923	210	1,887	2,345	2,853,125	2,820,179	[1] 9,121,446	6,301,267
1921	193	1,276	(2)	1,760,335	1,307,020	[1] 4,849,882	3,452,862
1919	478	1,878	1,750	2,391,504	1,927,323	[1] 7,350,602	5,423,279
States, 1925							
California	8	45	20	70,424	20,163	186,881	166,718
Illinois	25	427	490	649,331	674,946	2,329,568	1,654,622
Maryland	5	17	16	20,356	6,395	50,091	43,696
Massachusetts	31	175	168	274,660	143,140	782,677	639,537
New Jersey	11	68	26	113,678	11,178	238,979	227,801
New York	65	822	798	1,223,751	1,088,248	3,991,592	2,903,344
Ohio	5	54	39	70,204	47,939	212,747	164,808
Pennsylvania	13	39	37	53,241	7,542	180,425	172,883
Rhode Island	12	43	17	58,044	13,711	153,074	139,363
All other States [3]	13	137	142	157,114	163,989	496,789	332,800

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking: 1925, $669,907; corresponding amounts for earlier years not calculated. Does not include the following values of engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking reported by establishments engaged primarily in other industries: 1925, $80,665; 1923, $89,493; 1921, $145,224; 1919, $144,776.

[2] Not called for on schedule.

[3] Connecticut, 1 establishment; District of Columbia, 2; Indiana, 1; Michigan, 2; Minnesota, 1; Oregon, 1; Texas, 2; Wisconsin, 3.

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
ENGRAVING, WOOD							
[*Principal products:* Woodcuts for printing, for advertising purposes, and for illustrating merchandise, catalogues, etc., as well as for engravers. Woodcuts are also made to some extent by establishments classified in the printing and publishing industry, but the value of such work was not separately reported]							
United States							
1925	22	117	32	$233,849	$46,499	[1] $525,240	$478,741
1923	24	141	26	213,824	42,099	[1] 523,752	481,653
1921	24	131	(2)	219,033	138,991	[1] 628,368	489,377
1919	55	235	67	407,215	219,268	[1] 1,153,618	934,350
States, 1925							
Connecticut	5	10	7	14,320	5,700	38,551	32,851
Illinois	6	60	21	146,346	27,480	297,191	269,711
Missouri	5	18	----------	27,498	5,075	65,703	60,628
New York	3	26	1	43,020	3,795	98,905	95,110
All other States [3]	3	3	3	2,665	4,449	24,890	20,441

[1] Does not include the following values of wood engraving reported by establishments engaged primarily in other industries: 1925, $313,297; 1923, $100,527; 1921, $7,883; 1919, $7,597.

[2] Not called for on schedule.

[3] Minnesota, 1 establishment; Ohio, 1; Pennsylvania, 1.

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
ENVELOPES							
[*Principal products:* Envelopes in great variety, including printed and plain, window, and duplex, with metal clasps and patented devices, for letters, circulars, filing systems, and many other purposes. The manufacture of mailing tubes, papeterie, and tags was also reported]							
United States							
1925	135	9,052	10,288	$9,987,202	$27,423,300	[1] $51,188,914	$23,765,614
1923	132	9,241	9,904	9,525,054	27,527,875	[1] 50,751,558	23,223,683
1921	123	7,944	(2)	8,180,523	24,051,507	[1] 43,910,409	19,858,902
1919	106	8,129	7,124	6,649,989	21,964,743	[1] 39,664,077	17,699,334
States, 1925							
California	7	276	372	345,223	826,287	1,630,120	803,833
Illinois	21	1,293	1,845	1,670,571	4,039,354	8,099,399	4,060,045
Massachusetts	16	2,027	2,121	2,220,488	6,687,374	11,924,667	5,237,293
Michigan	4	132	178	172,013	418,811	850,705	431,894
Minnesota	6	211	139	213,782	341,445	856,837	515,392
Missouri	11	466	709	514,235	1,235,573	2,714,680	1,479,107
New York	28	1,546	1,587	1,650,945	4,048,743	7,743,543	3,694,800
Ohio	9	1,447	1,284	1,492,578	5,349,431	8,777,166	3,427,735
Pennsylvania	12	547	572	564,188	1,391,103	2,775,373	1,384,270
All other States [3]	21	1,107	1,481	1,143,179	3,085,179	5,816,424	2,731,245

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of envelopes: 1925, $2,549,067; corresponding amounts for earlier years not calculated. Does not include the following values of envelopes made as secondary products by establishments classified in other industries: 1925, $681,046; 1923, $1,062,317; 1921, $869,033; 1919, $1,836,774.

[2] Not called for on schedule.

[3] Colorado, 2 establishments; Connecticut, 2; Georgia, 1; Indiana, 2; Iowa, 1; Kentucky, 1; Maryland, 3; Nebraska, 1; Texas, 1; Virginia, 3; Washington, 2; Wisconsin, 2.

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
LABELS AND TAGS							
[*Principal products:* Labels of all descriptions—paper, cloth, and metal; tags for various purposes, such as laundry, shipping, key, cotton, and price tags; pin tickets; index tabs; gummed stickers, etc.]							
United States							
1925	113	5,356	4,808	$6,730,184	$13,095,856	[1] $28,045,440	$14,949,584
1923	103	5,048	4,538	6,224,101	12,129,804	[1] 26,023,030	13,893,226
1921	89	4,152	(2)	4,776,868	8,819,700	[1] 19,538,362	10,718,662
1919	119	5,227	4,033	4,549,962	11,274,767	[1] 24,243,992	12,969,225
States, 1925							
California	5	90	211	157,875	268,978	672,080	403,102
Illinois	14	380	454	537,133	936,456	2,138,135	1,201,679
Michigan	7	87	94	101,945	214,813	533,674	318,861
Missouri	9	116	101	137,458	100,862	484,441	383,579
New Jersey	4	67	72	52,907	109,778	258,078	148,300
New York	30	783	761	1,112,415	1,827,903	5,019,586	3,191,683
Ohio	5	519	446	660,162	1,801,157	3,600,938	1,799,781
Pennsylvania	12	704	422	671,675	1,270,122	3,013,098	1,742,976
Rhode Island	3	120	435	124,905	143,211	563,380	420,169
All other States [3]	24	2,490	1,812	3,173,709	6,422,576	11,762,030	5,339,454

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of labels and tags: 1925, $5,247,117; corresponding amounts for earlier years not calculated. Does not include the following values of labels and tags made as secondary products by establishments classified in other industries: 1925, $3,253,554; 1923, 2,683,544; 1921, $2,123,043; 1919, $4,152,093.

[2] Not called for on schedule.

[3] District of Columbia, 1 establishment; Georgia, 1; Indiana, 1; Kentucky, 2; Maryland, 1; Massachusetts, 6; Minnesota, 2; Nebraska, 1; New Hampshire, 1; Oregon, 2; Tennessee, 1; Virginia, 1; Washington, 2; Wisconsin, 2. Massachusetts reported a larger value of products than any of the States for which figures are given in the table.

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
PAPER GOODS, NOT ELSEWHERE CLASSIFIED							
[*Principal products:* Paper cores and tubes, artificial drinking straws, paper cups and dishes, paper towels, waxed paper, toilet paper, adding-machine and cash-register paper, money wrappers, playing cards, finger-bowl liners, stained-glass paper, etc.]							
United States							
1925	310	13,386	35,324	$15,403,497	$70,699,682	[1] $124,217,274	$53,517,592
1923	311	14,724	37,840	15,562,431	66,958,259	[1] 116,162,055	49,203,796
1921	290	11,510	(4)	11,807,357	49,872,170	[1] 84,129,401	34,257,231
1919	308	14,135	35,369	12,666,924	65,295,484	[1] 107,284,759	41,989,275
States, 1925							
California	6	93	355	143,935	949,967	1,449,949	499,982
Connecticut	5	43	131	49,498	135,946	262,065	126,119
Illinois	26	629	1,476	802,962	5,463,233	8,870,199	3,406,966
Indiana	5	181	684	147,709	1,013,642	1,434,938	421,296
Massachusetts	49	1,844	7,124	2,217,923	9,374,040	15,896,324	6,522,284
Michigan	8	305	1,267	444,649	1,929,574	3,377,155	1,447,581
Minnesota	5	52	92	55,167	398,288	570,572	172,284
New Jersey	29	1,098	3,227	1,423,730	6,220,634	12,212,343	5,991,709
New York	68	3,448	8,154	3,844,990	17,067,709	29,161,115	12,093,406
Ohio	22	2,086	3,403	2,336,670	8,164,328	18,974,581	10,810,253
Pennsylvania	23	968	1,672	922,268	3,764,363	6,843,077	3,078,714
Rhode Island	10	384	1,174	440,422	1,033,368	2,308,765	1,275,397
Vermont	5	216	572	208,280	1,850,142	2,372,025	521,883
Wisconsin	17	734	1,648	819,932	3,680,598	6,140,147	2,459,549
All other States [3]	32	1,305	4,285	1,545,362	9,653,850	14,344,019	4,690,169

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of paper goods, not elsewhere classified: 1925, $1,823,381; corresponding amounts for earlier years not calculated. Does not include the following values of paper goods, not elsewhere classified, made as secondary products by establishments classified in other industries: 1925, $12,147,846; 1923, $7,056,183; 1921, $3,603,939; 1919, $3,516,586.

[2] Not called for on schedule.

[3] Alabama, 1 establishment; District of Columbia, 1; Georgia, 2; Iowa, 3; Maine, 1; Maryland, 2; Missouri, 3; New Hampshire, 3; North Carolina, 1; Oregon, 3; Tennessee, 1; Texas, 2; Virginia, 4; Washington, 4; West Virginia, 1.

PAPER PATTERNS							
[*Principal products:* Paper patterns for garments, pleating patterns, embroidery designs, transfer and stamping patterns, trade-mark transfers, etc. Some establishments in the "Printing and publishing, newspaper and periodical," industry also make paper patterns, but the value of the patterns made in such establishments was not separately reported]							
United States [1]							
1925	[2] 16	1,243	813	$1,594,505	$2,001,003	[3] $13,665,410	$11,664,407
1923	19	929	971	1,098,053	1,173,608	[3] 9,258,956	8,085,348
1921	18	816	(4)	844,107	1,337,500	[3] 10,530,453	9,192,953
1919	19	403	68	374,479	316,890	[3] 1,528,382	1,211,492

[1] Statistics for States can not be shown without disclosing operations of individual establishments.

[2] New Jersey, 1 establishment; New York, 15.

[3] Does not include the following value of paper patterns made as secondary products in the printing and publishing industry; 1925, $47,445, no comparable figures for earlier years.

[4] Not called for on schedule.

SUMMARY FOR INDUSTRIES IN GROUP 7 WHICH ARE NOT COVERED BY SEPARATE REPORTS, BY STATES—Continued

[See note at head of this table, p. 689]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
PHOTO-ENGRAVING, NOT DONE IN PRINTING ESTABLISHMENTS							
[*Principal products:* Photo-engraved plates for printing illustrations, art work, photographs, post cards greeting cards, magazine covers, half-tone engravings, etc. Plates for the reproduction of color work are included. The establishments classified in this industry do not, as a rule, print from the plates which they make, but prepare them for use by others]							
United States							
1925	577	9,868	6,735	$24,320,884	$8,392,623	[1] $58,640,247	$50,247,624
1923	450	8,521	5,786	18,668,866	6,606,207	[1] 43,660,021	37,053,814
1921	421	6,971	(2)	15,046,323	5,928,493	[1] 36,215,570	30,287,077
1919	422	6,769	3,800	10,423,541	5,038,382	[1] 29,389,386	24,351,004
States, 1925							
Alabama	3	20	14	50,046	11,314	108,156	96,842
California	44	336	427	943,784	282,311	2,488,002	2,205,691
Colorado	6	43	45	90,031	33,929	254,502	220,573
Connecticut	13	132	87	292,737	79,306	782,707	703,401
District of Columbia	6	83	33	195,697	75,370	481,386	406,016
Florida	7	64	37	172,104	74,203	523,368	449,165
Georgia	6	64	64	121,972	158,124	524,161	366,037
Illinois	49	1,533	1,286	4,123,860	1,117,461	9,251,558	8,134,097
Indiana	11	268	264	553,639	170,050	1,384,962	1,214,912
Iowa	5	50	72	125,459	31,039	286,273	255,234
Louisiana	4	26	22	50,632	15,502	117,690	102,188
Maine	5	10	19	17,349	9,665	54,837	45,172
Maryland	8	121	114	241,230	145,310	720,957	575,647
Massachusetts	44	661	273	1,316,651	428,397	3,186,067	2,757,670
Michigan	24	368	229	828,978	197,521	2,242,863	2,045,342
Minnesota	15	295	191	515,473	231,686	1,371,600	1,139,914
Missouri	24	399	280	893,098	573,386	2,624,492	2,051,106
Nebraska	6	33	38	85,495	32,574	219,832	187,258
New Jersey	9	103	84	265,267	99,206	620,394	521,188
New York	108	2,839	1,218	7,844,473	2,896,254	17,566,647	14,670,393
North Carolina	4	17	12	25,165	11,322	89,084	77,762
Ohio	45	715	609	1,612,728	446,112	4,207,840	3,761,728
Oklahoma	4	27	47	53,683	20,907	145,561	124,654
Oregon	7	49	137	119,689	35,630	310,908	275,278
Pennsylvania	39	801	447	2,091,848	607,552	4,727,401	4,119,849
Tennessee	8	93	44	202,470	52,973	451,756	398,783
Texas	15	130	140	288,816	143,440	863,339	719,899
Utah	3	8	18	13,688	8,474	43,374	34,900
Virginia	5	46	29	99,801	31,951	220,602	188,651
Washington	13	70	130	154,133	54,661	474,185	419,524
West Virginia	4	13	30	26,225	8,687	65,489	56,802
Wisconsin	15	282	106	581,760	207,690	1,444,432	1,236,742
All other States [3]	18	170	189	322,894	100,616	785,822	685,206

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in photo-engraving: 1925, $1,743,631; corresponding amounts for earlier years not calculated. Does not include the following values of photo-engraving reported by establishments engaged primarily in other industries: Printing and publishing establishments, 1925, $3,563,033; 1923, $3,853,473; no comparable data for 1921 and 1919 other than printing and publishing establishments—1925, $882,457; 1923, $716,265; 1921, $641,384; 1919, $298,067.

[2] Not called for on schedule.

[3] Arizona, 1; Arkansas, 2; Delaware, 1; Kansas, 3; Kentucky, 3; Montana, 2; North Dakota, 1; Rhode Island, 3; South Dakota, 1; Wyoming, 1.

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
PRINTING MATERIALS, NOT INCLUDING TYPE OR PRINTING INK							
[*Principal products:* Printers' rollers, slugs, blocks, rules, dies, quoins, keys, sticks, lock-up furniture, etc.]							
United States							
1925	71	888	1,081	$1,378,748	$1,786,570	[1] $6,525,379	$4,738,809
1923	68	560	1,062	843,903	1,162,531	[1] 4,805,648	3,643,117
1921	74	816	(2)	1,153,276	1,713,736	[1] 5,319,261	3,605,525
1919	82	723	1,351	799,402	1,619,718	[1] 4,918,799	3,299,081
States, 1925							
Illinois	11	405	965	607,274	756,343	2,530,654	1,774,311
Maryland	3	11	9	20,441	20,373	94,915	74,542
Massachusetts	4	33	44	51,068	58,863	268,168	209,305
Minnesota	3	7	17	10,631	11,946	56,593	44,647
Missouri	3	13	21	26,565	27,181	203,960	176,779
New York	20	262	454	423,124	493,362	1,680,952	1,187,590
Ohio	7	26	57	44,542	69,920	318,933	249,013
Pennsylvania	5	60	85	89,416	168,801	721,930	553,129
All other States [3]	15	71	329	105,687	179,781	649,274	469,493

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of printing materials: 1925, $97,506; corresponding amounts for earlier years not calculated. Does not include the following values of printing materials made as secondary products by establishments classified in other industries: 1925, $109,386; 1923, $373,498; 1921, $61,906; 1919, $159,700.

[2] Not called for on schedule.

[3] California, 1 establishment; Colorado, 1; District of Columbia, 1; Georgia, 2; Indiana, 1; Iowa, 1; Kentucky, 1; Louisiana, 1; Michigan, 1; New Jersey, 3; Texas, 1; Wisconsin, 1.

Year and state	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
STEREOTYPING AND ELECTROTYPING, NOT DONE IN PRINTING ESTABLISHMENTS							
[The preparing of stereotype and electrotype plates for printing. (The value of plates made for their own use by establishments in the printing and publishing industry was not separately reported)]							
United States							
1925	193	4,283	13,774	$9,206,642	$4,280,244	[1] $22,361,187	$18,080,943
1923	179	4,096	12,313	8,333,721	3,805,550	[1] 20,596,208	16,790,658
1921	157	3,617	(2)	7,081,705	3,745,595	[1] 17,358,994	13,613,399
1919	171	3,664	9,498	5,002,545	4,234,479	[1] 15,919,014	11,684,535
States, 1925							
California	6	128	222	266,893	95,538	644,233	548,695
Connecticut	6	107	264	168,829	80,649	433,721	353,072
District of Columbia	3	35	141	92,390	21,238	169,880	148,642
Illinois	29	727	2,197	1,737,512	632,499	4,203,650	3,571,151
Indiana	4	72	440	114,176	44,319	241,563	197,244
Maryland	4	46	130	75,648	70,001	285,176	215,175
Massachusetts	14	291	917	525,306	192,130	1,176,758	984,628
Michigan	10	227	659	496,817	219,974	1,297,077	1,077,103
Minnesota	6	53	319	107,906	40,130	285,184	245,054
Missouri	6	148	503	288,214	105,571	642,190	536,619
New Jersey	5	85	246	185,884	62,355	396,657	334,302
New York	43	1,215	3,979	2,804,652	1,529,726	6,706,162	5,176,436
Ohio	23	521	2,023	960,436	632,417	2,441,297	1,808,880
Pennsylvania	13	424	910	1,004,381	410,001	2,476,015	2,066,014
Wisconsin	4	57	195	106,857	37,415	249,167	211,752
All other States [3]	17	147	629	270,741	106,281	712,457	606,176

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in stereotyping and electrotyping: 1925, $887,333; corresponding amounts for earlier years not calculated. Does not include the following values of stereotyping and electrotyping done by establishments engaged primarily in other industries, nor custom stereotyping and electrotyping done in printing establishments: 1925, $5,562,940; 1923, $4,607,221; 1921, $2,578,262; 1919, $2,093,205.

[2] Not called for on schedule.

[3] Florida, 1 establishment; Iowa, 2; Kentucky, 1; Louisiana, 1; Maine, 1; Nebraska, 1; Oregon, 2; Rhode Island, 1; Tennessee, 2; Texas, 2; Virginia, 2; Washington, 1.

Summary for Industries in Group 7 Which Are Not Covered by Separate Reports, by States—Continued

[See note at head of this table, p. 689]

YEAR AND STATE	Number of establishments	Wage earners (average number)	Horsepower	Wages	Cost of materials	Value of products	Value added by manufacture
TYPE FOUNDING							
[The manufacture of metal type of all kinds, including that for typewriters and adding machines. Brass rules, leads, slugs, etc., were reported as minor products]							
United States							
1925	18	537	1,236	$603,163	$705,416	$2,450,503	$1,745,087
1923	18	606	1,438	646,386	709,468	2,512,328	1,802,860
1921	18	608	(1)	634,131	696,256	2,129,636	1,433,380
1919	23	810	845	867,517	943,245	2,089,757	1,146,512
States, 1925							
Illinois	5	17	28	25,112	9,740	58,546	48,806
All other States [2]	13	520	1,208	578,051	695,676	2,391,957	1,696,281

[1] Not called for on schedule.
[2] California, 1 establishment; Connecticut, 1; Kansas, 1; Massachusetts, 1; Missouri, 1; New Jersey, 1; New York, 4; Oregon, 1; Pennsylvania, 2. New Jersey, New York, and Pennsylvania each reported a larger value of products than Illinois.

WALL PAPER

[The establishments classified in this industry are those engaged in designing and printing wall paper. The paper from which the wall paper is made is designated as "hanging paper" and is manufactured in paper mills (see Table 5, p. 638)]

United States							
1925	49	5,069	11,528	$5,862,755	$14,999,041	[1] $30,069,005	$15,069,964
1923	51	5,412	11,246	6,221,266	16,991,411	[1] 34,755,700	17,764,289
1921	43	3,988	(1)	4,981,572	16,336,110	[1] 29,147,905	12,811,795
1919	48	4,262	8,123	3,882,396	13,152,503	[1] 23,047,901	9,895,398
States, 1925							
Illinois	12	1,238	3,683	1,569,678	4,589,826	8,813,685	4,223,859
New Jersey	6	951	1,843	1,035,497	2,850,476	5,364,037	2,513,561
New York	13	1,482	3,219	1,691,944	3,626,410	8,142,943	4,516,533
Pennsylvania	12	1,146	2,204	1,241,792	3,232,278	6,146,190	2,913,912
All other States [3]	6	252	579	323,854	700,051	1,602,150	902,099

[1] Includes value of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of wall paper: 1925, $157,802; corresponding amounts for earlier years not calculated.
[2] Not called for on schedule.
[3] Connecticut, 1 establishment; Indiana, 1; Massachusetts, 2; Ohio, 2.

Group 8.—CHEMICALS AND ALLIED PRODUCTS

THE GROUP AS A WHOLE

The group "Chemicals and allied products" includes not only the industries whose products are chemicals in the ordinary sense, but also those which employ to a large extent chemical processes in their manufacturing operations. The group is complex in character, and its several products differ widely, both in kind and in the uses to which they are put. Considerable duplication occurs in the aggregate cost of materials and the aggregate value of products for the group, because of the use of the products of certain industries as materials for others.

At the census for 1923 a considerable number of changes were made in this group as compared with the corresponding group as constituted at former censuses. (These changes are set forth in detail on pp. 20 to 23 of the report for 1923.) The totals for 1921 and for earlier years, as given in the summary table below, have been adjusted to make them comparable with those for 1923 and 1925, and therefore differ from the corresponding totals published in the reports for census years prior to 1923. The comparability of the adjusted figures themselves is, however, affected by the inclusion of the statistics for the "Liquors, vinous" industry and the former "Liquors, distilled" (now "Alcohol, ethyl") and "Liquors, malt" industries, which results in a reduction of the increase between 1914 and 1919 and an augmentation of the decrease between 1919 and 1921 in the figures for the group as a whole. The table on page 699, which gives summary statistics for the Chemicals group, shows the totals both including and excluding the data for the alcohol and liquor industries.

On pages 702 to 848 are presented detailed reports for those industries in Group 8 for which statistics have been published separately in pamphlet form. Following these reports are summary statistics for the 16 industries in the group for which separate reports have not been prepared, together with brief descriptions of these industries or lists of their principal products.

Summary for Group 8, Chemicals and Allied Products: 1914 to 1925

[Data for establishments reporting products valued at less than $5,000 are included in the figures for 1919 and 1914 but not in those for subsequent years]

Industry	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Total	1925	8,871	381,075	506,386	4,184,911	6,438,027	2,253,116	2,984,913
	1923	8,832	384,493	501,205	3,680,407	5,706,866	2,026,459	2,739,519
	1921	8,894	314,231	404,300	3,111,425	4,594,777	1,483,352	(1)
	1919	12,405	460,641	550,262	3,903,873	6,090,949	2,187,076	2,424,938
	1914	13,229	340,154	225,190	1,485,074	2,685,423	1,200,349	1,920,277
Total, exclusive of alcohol and liquor industries (see explanation in text above).	*1925*	*8,813*	*379,415*	*504,286*	*4,144,581*	*6,376,885*	*2,232,304*	*2,973,146*
	1923	*8,764*	*382,916*	*499,207*	*3,659,673*	*5,668,035*	*2,008,357*	*2,728,455*
	1921	*8,739*	*312,675*	*402,256*	*3,087,463*	*4,561,231*	*1,473,768*	(1)
	1919	*11,300*	*423,991*	*502,360*	*3,781,309*	*5,661,736*	*1,880,427*	*2,081,125*
	1914	*11,227*	*278,497*	*166,758*	*1,304,864*	*2,019,877*	*715,013*	*1,454,219*
Chemicals and allied products other than mineral fuels.	1925	7,356	245,562	297,542	1,839,059	3,227,276	1,388,217	1,753,476
	1923	7,249	247,130	289,663	1,710,204	2,946,146	1,235,942	1,657,200
	1921	7,398	200,016	224,367	1,358,211	2,234,828	876,617	(1)
	1919	10,785	329,525	365,454	2,274,147	3,812,621	1,538,474	1,722,699
Alcohol, ethyl	1925	31	1,395	1,838	38,565	57,706	19,141	10,268
	1923	30	1,062	1,474	17,770	33,000	15,230	8,129
	1921	33	1,141	1,627	22,269	28,789	6,520	(1)
	1919	34	1,380	1,717	19,656	31,854	12,198	16,494
Ammunition and related products.	1925	27	7,777	7,987	22,820	41,707	18,887	23,316
	1923	27	10,470	10,817	27,741	51,509	23,768	23,172
	1921	28	8,370	7,896	16,006	32,350	16,344	(1)
	1919	42	22,816	23,588	38,102	88,038	49,936	39,128
Baking powders, yeast, and other leavening compounds.	1925	49	2,931	4,063	23,376	74,593	51,217	36,633
	1923	57	3,507	4,920	21,657	51,691	30,034	35,845
	1921	62	3,557	4,479	24,666	52,886	28,220	(1)
	1919	88	3,331	3,554	26,635	46,230	19,595	20,071
Blacking, stains, and dressings.	1925	171	1,869	2,165	9,733	25,055	15,322	2,659
	1923	175	2,165	2,170	10,253	25,822	15,569	2,792
	1921	173	1,666	1,522	9,362	18,453	9,091	(1)
	1919	220	2,455	2,109	14,042	25,284	11,242	2,446
Bluing	1925	23	176	185	1,017	2,167	1,150	366
	1923	25	188	188	800	1,643	843	296
	1921	33	226	203	1,018	1,883	865	(1)
	1919	57	360	285	1,543	2,731	1,188	423
Bone black, carbon black, and lampblack.	1925	66	1,505	1,722	5,655	14,565	8,910	7,289
	1923	68	1,303	1,461	5,295	14,600	9,305	5,567
	1921	45	826	980	3,745	8,181	4,436	(1)
	1919	35	675	808	2,848	6,186	3,338	1,857
Candles	1925	20	626	673	2,786	5,114	2,328	922
	1923	21	746	754	2,393	5,080	2,687	912
	1921	20	609	590	2,091	3,777	1,686	(1)
	1919	19	541	438	2,179	3,351	1,172	597
Chemicals, not elsewhere classified.[2]	1925	715	55,694	80,435	271,646	547,003	275,357	657,867
	1923	736	74,897	99,845	316,901	630,870	313,969	669,327
	1921	692	46,306	58,024	190,502	390,768	200,266	(1)
	[3]1919	781	71,249	96,250	280,298	574,141	293,843	445,203
Cleaning and polishing preparations.	1925	299	2,161	2,660	12,707	34,020	21,313	6,279
	1923	298	2,376	2,746	13,600	35,443	21,843	6,698
	1921	279	1,687	1,885	10,959	23,178	12,219	(1)
	1919	499	1,955	1,898	12,923	26,703	13,780	4,510
Drug grinding	1925	22	622	710	4,921	8,446	3,525	4,389
	1923	24	750	893	6,555	10,562	4,007	4,958
	1921	28	840	1,005	6,805	10,086	3,281	(1)
	1919	31	1,347	1,526	11,557	16,938	5,381	6,725
Druggists' preparations	1925	370	9,685	11,078	36,064	95,420	59,356	12,553
	1923	389	8,966	9,186	33,364	79,143	45,779	11,255
	1921	408	10,838	11,937	34,574	81,698	47,124	(1)
	1919	524	15,568	12,162	55,138	114,594	59,456	12,670

See footnotes at end of table

SUMMARY FOR GROUP 8; CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1925—Con.

[See note at head of this summary, p. 699]

INDUSTRY	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Chemicals and allied products other than mineral fuels—Continued.								
Explosives	1925	103	5,697	7,731	37,877	69,669	31,792	37,808
	1923	106	6,388	9,112	39,496	75,029	35,533	35,231
	1921	109	4,478	6,610	30,644	59,175	28,531	(1)
	1919	118	9,249	12,505	45,911	92,475	46,564	51,635
Fertilizers	1925	587	19,644	17,743	137,808	206,773	68,965	152,193
	1923	573	18,572	16,365	127,980	183,089	55,109	161,774
	1921	588	16,898	16,026	144,978	180,375	35,397	(1)
	1919	600	26,296	25,363	185,041	281,144	96,103	125,939
Fireworks	1925	41	1,446	1,429	2,399	6,031	3,632	1,148
	1923	38	1,224	1,156	1,831	4,977	3,146	941
	1921	37	1,229	1,116	1,917	4,727	2,810	(1)
	1919	57	1,222	995	2,108	4,630	2,522	1,005
Glue and gelatin	1925	55	3,325	3,976	15,388	25,764	10,426	22,807
	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	(1)
	1919	62	4,264	4,777	19,280	32,134	12,854	16,979
Grease and tallow, not including lubricating greases.	1925	263	5,303	7,508	33,713	51,442	17,729	30,840
	1923	254	5,248	7,004	31,275	48,634	17,359	25,275
	1921	265	4,428	5,429	17,787	27,206	9,419	(1)
	1919	482	6,647	7,954	47,756	67,265	19,509	25,544
Ink, printing	1925	109	2,150	3,346	16,253	34,753	18,500	17,041
	1923	99	1,975	2,859	14,779	29,412	14,633	14,703
	1921	97	1,676	2,470	10,644	20,869	10,225	(1)
	1919	90	1,988	2,575	14,661	26,244	11,583	10,229
Ink, writing	1925	28	524	596	2,424	6,084	3,660	700
	1923	31	578	635	2,653	6,107	3,454	695
	1921	33	504	546	2,062	4,980	2,918	(1)
	1919	61	702	596	3,320	6,434	3,114	610
Liquors, malt	1919	729	34,259	45,171	94,792	379,905	285,113	322,130
Liquors, vinous	1925	27	265	262	1,765	3,436	1,671	1,499
	1923	38	515	524	2,959	5,831	2,872	2,935
	1921	72	415	417	1,693	4,757	3,064	(1)
	1919	342	1,011	1,014	8,116	17,454	9,338	5,189
Lubricating greases, not made in petroleum refineries.	1925	53	607	820	6,796	13,239	6,443	3,867
	1923	52	603	829	7,260	12,584	5,324	2,972
	1921	50	420	534	5,309	8,912	3,603	(1)
	1919	53	472	570	4,808	8,869	4,061	2,178
Mucilage, paste, and other adhesives, not elsewhere classified.	1925	105	704	962	7,234	12,661	5,427	3,702
	1923	101	663	883	5,976	10,621	4,645	3,204
	1921	98	757	979	5,015	9,930	4,915	(1)
	1919	127	803	850	7,093	11,230	4,137	3,202
Oil, cake, and meal, cottonseed.	1925	535	16,215	11,412	244,315	295,685	51,370	239,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,864	217,225	22,361	(1)
	1919	711	26,766	20,615	495,192	581,245	86,053	289,981
Oil, cake, and meal, linseed	1925	33	2,692	4,290	121,762	140,514	18,752	25,869
	1923	34	2,631	3,784	102,690	113,221	10,531	21,674
	1921	28	2,073	3,019	58,452	71,032	12,580	(1)
	1919	26	2,173	3,053	100,578	120,638	20,060	17,621
Oils, essential	1925	14	178	281	4,363	5,882	1,519	1,164
	1923	17	170	237	2,256	3,184	928	1,388
	1921	27	299	364	2,548	3,421	873	(1)
	1919	78	321	391	3,903	5,698	1,795	1,833
Oils, not elsewhere classified	1925	191	3,615	4,963	85,202	117,776	32,574	17,989
	1923	211	4,271	5,460	84,201	118,158	33,957	18,431
	1921	245	3,536	3,898	74,550	93,275	18,725	(1)
	1919	280	5,930	6,141	119,271	156,480	37,209	30,067

See footnotes at end of table

SUMMARY FOR GROUP 8, CHEMICALS AND ALLIED PRODUCTS: 1914 TO 1925—Con.

[See note at head of this summary, p. 699]

INDUSTRY	Census year	Number of establishments	Wage earners (average number)	Wages	Cost of materials	Value of products	Value added by manufacture	Horsepower
				Expressed in thousands of dollars				
Chemicals and allied products other than mineral fuels—Continued.								
Paints and varnishes	1925	923	25,490	35,420	293,943	470,736	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,293	171,398	274,310	102,912	(1)
	1919	830	21,507	24,118	217,112	340,347	123,235	84,827
Patent medicines and compounds.	1925	1,279	14,802	15,592	84,790	247,564	162,774	33,840
	1923	1,363	17,353	16,915	88,802	237,494	148,692	29,998
	1921	1,436	13,800	13,084	69,571	175,898	106,327	(1)
	1919	2,467	17,444	13,749	88,819	212,162	123,343	25,409
Perfumery, cosmetics, and toilet preparations.	1925	594	8,714	8,537	46,933	129,510	82,577	7,381
	1923	465	7,761	7,102	37,636	100,241	62,605	6,502
	1921	422	5,838	5,358	28,013	72,541	44,528	(1)
	1919	569	5,405	3,983	26,147	59,613	33,466	2,196
Rayon [2]	1925	14	19,128	22,976	18,478	88,061	69,583	66,966
Salt	1925	70	6,308	7,261	13,849	34,253	20,404	54,047
	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	(1)
	1919	86	6,495	7,353	16,028	37,514	21,486	42,051
Soap	1925	272	15,406	18,526	184,873	278,273	93,400	56,697
	1923	270	17,002	20,777	173,546	276,403	102,857	74,820
	1921	283	16,558	18,865	150,356	240,195	89,839	(1)
	1919	348	20,436	21,228	238,519	316,740	78,221	33,700
Sulphuric, nitric, and mixed acids.	1925	36	2,196	3,103	11,066	23,307	12,241	22,120
	1923	37	2,357	3,456	11,695	24,405	12,710	19,131
	1921	36	2,832	4,137	9,770	21,463	11,693	(1)
	1919	39	4,961	7,917	15,857	31,471	15,614	30,637
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1925	125	2,495	2,987	22,763	34,784	12,021	32,634
	1923	125	3,243	3,801	24,033	35,972	11,939	32,833
	1921	123	2,993	3,008	20,106	28,311	8,205	(1)
	1919	144	4,342	4,735	34,593	53,744	19,151	34,295
Wood distillation and charcoal manufacture.	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
	1923	123	4,123	4,325	17,269	29,695	12,426	14,910
	1921	108	2,130	1,914	6,728	9,677	2,949	(1)
	1919	156	5,155	5,466	20,321	33,135	12,814	15,320
Mineral fuels	1925	1,515	135,513	208,844	2,345,852	3,210,751	864,899	1,231,437
	1923	1,583	137,363	211,542	1,970,203	2,760,720	790,517	1,082,319
	1921	1,496	114,215	179,433	1,753,214	2,359,949	606,735	(1)
	1919	1,620	131,116	184,808	1,629,726	2,278,328	648,602	702,239
Coke, not including gas-house coke.	1925	237	23,191	36,762	277,751	378,634	100,883	409,552
	1923	262	28,364	48,108	354,030	516,923	162,893	332,560
	1921	176	16,070	23,833	168,791	221,313	52,522	(1)
	1919	278	29,319	42,290	224,267	316,516	92,249	224,879
Gas, manufactured, illuminating and heating.	1925	910	46,998	67,437	178,423	455,460	277,037	428,132
	1923	939	42,282	59,600	191,120	450,097	258,977	358,605
	1921	954	34,956	53,306	202,253	411,196	208,943	(1)
	1919	1,022	42,908	52,759	157,551	329,279	171,728	238,454
Petroleum refining	1925	359	65,324	104,645	1,889,678	2,376,657	486,979	393,753
	1923	382	66,717	103,834	1,425,053	1,793,700	368,647	391,154
	1921	366	63,189	102,294	1,382,170	1,727,440	345,270	(1)
	1919	320	58,889	89,750	1,247,908	1,632,533	384,625	238,906

[1] Not called for on schedule.
[2] "Rayon" included in "Chemicals, not elsewhere classified," for 1923 and prior years.
[3] Includes data for 183 establishments classified under "Coal-tar products" for 1919.
[4] Included in "Beverages" for 1925, 1923, and 1921.

AMMUNITION AND RELATED PRODUCTS

[A preliminary report for this industry was issued under date of September 10, 1926]

Description of the industry.—This industry, as defined for census purposes, consists in the manufacture of ammunition and of such related products as fuses, blasting and detonating caps, miners' squibs, naval and railroad torpedoes, etc. It does not, however, include the manufacture of dynamite and other explosives for use in blasting, of nitroglycerin for "shooting" oil wells, or of fireworks. Commercial manufacturers only are classified in the ammunition industry, no data having been collected from governmental establishments. (Governmental establishments were canvassed at the census for 1919, but the statistics relating to them were presented separately from those for commercial plants.)

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. (See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	27	7,777	$7,986,834	----------	$22,819,987	$41,707,396	$18,887,409	23,316
1923	27	10,470	10,816,647	$2,675	27,741,517	51,508,622	23,767,105	23,172
1921	28	8,370	7,896,382	----------	16,006,385	32,350,445	16,344,060	(3)
1919	42	22,816	23,587,692	146,531	38,101,602	88,038,223	49,936,621	39,128
1914	32	11,493	6,750,986	847	16,276,575	30,840,472	14,563,897	11,354
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	(4)	—25.7	—26.2	----------	—17.7	—19.0	—20.5	0.6
1921–1923	(4)	25.1	37.0	----------	73.3	59.2	45.4	--------
1921–1925	(4)	—7.1	1.1	----------	42.6	28.9	15.6	--------
1914–1925	(4)	—32.3	18.3	----------	40.2	35.2	29.7	105.4

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] Not computed where base is less than 100.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 5, p. 705]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	7,777	*7,067*	7,501	7,852	8,115	7,946	8,038
1923 [1]	10,470	9,723	10,281	10,682	10,799	10,709	10,730
1921 [1]	8,370	8,948	10,242	9,859	9,657	9,748	7,797
1919 [1]	22,816	46,771	33,327	25,965	20,436	19,113	18,869
California	285	302	306	297	289	279	286
Connecticut	4,292	3,936	4,167	4,429	4,623	4,466	4,422
New Jersey	641	630	627	610	605	607	612
Pennsylvania	106	95	77	103	94	78	99

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	8,001	8,023	7,966	7,667	7,644	7,506
1923 [1]	10,822	11,141	10,996	10,433	9,740	*9,587*
1921 [1]	7,430	7,820	*6,792*	7,217	7,398	7,529
1919 [1]	18,768	17,285	*17,121*	17,713	18,795	19,629
California	271	304	278	275	271	267
Connecticut	4,332	4,319	4,345	4,124	4,191	4,151
New Jersey	630	659	681	670	686	673
Pennsylvania	81	82	125	144	142	150

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 87.1; 1923, 86.1; 1921, 66.3; 1919, 36.6.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Horsepower	Number	Horsepower	Number	Horsepower
Prime movers, total	1,125	23,316	1,134	23,172	1,858	39,128
Steam engines	36	4,259	58	13,263	59	6,990
Steam turbines	24	8,376			21	12,170
Internal-combustion engines	6	1,468	7	1,938	11	2,241
Water wheels and turbines	3	125	1	45	3	141
Electric motors driven by purchased current	1,056	9,088	1,068	7,926	1,764	17,586
Electric motors, total	3,324	17,593	2,074	19,404	3,641	33,559
Driven by purchased current	1,056	9,088	1,068	7,926	1,764	17,586
Driven by current generated in establishment reporting	2,268	8,505	1,006	11,478	1,877	15,973
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	15	6,085	(1)	(1)	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—PRODUCTS, BY CLASS AND VALUE, FOR THE UNITED STATES: 1919 TO 1925

	1925	1923	1921	1919
Total value	$43,569,543	$52,292,654	$33,345,363	$143,677,869
Ammunition and related products industry, all products	41,707,396	51,508,622	32,350,445	88,038,223
Ammunition and related products	39,264,274	46,712,713	28,393,534	51,408,035
All other products	[1] 2,443,122	[1] 4,795,909	[1] 3,956,911	[2] 36,630,188
Ammunition and related products, secondary products of other industries	1,862,147	784,032	994,918	55,639,046
Ammunition and related products, total, all industries	$41,126,421	$47,496,745	$29,388,452	$107,047,681
Ammunition, total value	$29,530,904	$36,621,542	$22,999,327	$92,967,182
Ammunition for small arms:				
Paper shells, loaded—				
Number of establishments	8	8	4	
Value	$18,874,408	$25,850,963	[3] $15,408,088	[4] $16,935,149
Cartridges—				
Number of establishments	7	7	6	
Value	$8,623,181	$9,645,196	$5,084,840	$16,426,999
Rifle	$4,376,911	(5)	(5)	(5)
Revolver and pistol	$4,172,737			
Blank	$73,533			
Other, value[6]	$2,033,315	$1,125,383	$849,957	$6,188,641
Ammunition for artillery, value			$1,656,442	$53,416,393
Blasting and detonating caps:				
Number of establishments	7	5	5	
Value	$5,814,641	$5,126,229	$2,839,235	[7] $6,409,882
Safety fuses, miners' squibs, etc.:				
Number of establishments	13	11	12	
Value	$5,405,390	$5,230,989	$3,373,516	$3,322,195
Railroad torpedoes:				
Number of establishments	4	4	4	
Value	$375,486	$517,985	$176,374	$4,288,422

[1] Cutlery, tools, blasting accessories, etc.
[2] Fuses other than detonating and safety, naval torpedoes, firearms and ordnance (secondary products of ammunition establishments), contract settlements, and miscellaneous products and parts.
[3] Reported as paper shells, without specification as to whether loaded.
[4] Includes value of "unloaded," $4,809,196, and "not specified," $2,146,498.
[5] No data.
[6] Empty and blank paper shells, shot, percussion caps and primers, and wads.
[7] Includes value of detonating fuses, $3,839,517.

TABLE 5.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	27	8,595	2	[1] 816	7,777	23,316
California	3	320	------	35	285	597
Connecticut	3	4,730	------	438	4,292	18,954
New Jersey	5	666	------	25	641	530
Pennsylvania	5	123	2	15	106	38
All other States [2]	11	2,756	------	303	2,453	3,197

STATE	Salaries	Wages	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $2,202,117	$7,986,834	$22,819,987	[4] $41,707,396	$18,887,409
California	118,520	313,899	1,236,962	2,173,049	936,087
Connecticut	1,126,515	4,617,712	11,105,292	21,017,737	9,912,445
New Jersey	76,755	733,515	2,379,353	4,567,693	2,188,340
Pennsylvania	30,397	55,164	92,354	275,238	182,884
All other States [4]	849,930	2,266,544	8,006,026	13,673,679	5,667,653

[1] Not including 84 salaried officers and employees of central administrative offices, with salaries aggregating $219,143. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 900 salaried officers and employees and $2,421,260. (See "Central-administrative-office employees," p. 1193.)

[2] Colorado, 1 establishment; Illinois, 1; Indiana, 1; Massachusetts, 2; Michigan, 1; Minnesota, 2; New York, 1; Ohio, 2.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[4] See first 5 lines, Table 4, p. 704.

BONE BLACK, CARBON BLACK, AND LAMPBLACK

Description of the industry.—This industry designation covers establishments engaged primarily in the manufacture of bone black, carbon black, and lampblack. Bone black, also known as "char," or animal charcoal, is produced by the carbonization of bone in retorts; carbon black, by the imperfect combustion of natural gas; and lampblack, by the imperfect combustion of coal or wood tar, petroleum, rosin, etc.

Decrease in number of establishments.—In 1923 the industry was represented by 68 establishments, the decrease to 66 in 1925 being the net result of a gain of 12 establishments and a loss of 14 which had gone out of business before the beginning of 1925.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	66	1,505	$1,721,779	$33,785	$5,654,965	$14,564,982	$8,910,017	7,289
1923	68	1,303	1,460,868	162,521	5,294,567	14,599,872	9,305,305	5,567
1921	45	826	979,845	37,596	3,745,146	8,180,844	4,435,698	(3)
1919	35	675	808,332	4,500	2,848,059	6,186,204	3,338,145	1,857
1914	27	339	230,821	350	686,240	1,463,569	777,329	[4] 1,786
	PER CENT OF INCREASE OR DECREASE (—)							
1923-1925	(5)	15.5	17.8	—79.2	6.8	—0.2	—4.2	30.9
1921-1923	(5)	57.7	49.1	332.3	41.4	78.5	109.8	--------
1921-1925	(5)	82.2	75.7	—10.1	51.0	78.0	100.9	--------
1914-1925	(5)	344.0	645.9	(5)	724.1	895.2	(5)	308.1

[1] Including also cost of fuel, electric power, factory supplies, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] This item differs slightly from the corresponding one published in the report for 1914 because of the exclusion here and the inclusion in the previous report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).
[5] Not shown where base is less than 100 or where percentage is higher than 1,000.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Two States for which no figures are given in this table reported larger numbers of wage earners than one of those for which statistics are shown. See headnote, Table 5, p. 709]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	1,505	**1,556**	1,507	1,502	*1,477*	1,438	*1,435*
Carbon black [2]	1,331	1,355	1,333	1,328	1,306	*1,275*	*1,275*
Bone black and lampblack [3]	174	201	174	174	171	163	*160*
1923 [1]	1,303	1,253	1,235	1,260	1,289	1,277	1,251
1921 [1]	826	911	889	811	788	*767*	779
1919 [1]	675	*658*	687	661	669	665	674
States, 1925							
Louisiana (carbon black)	919	950	932	912	904	864	866
Pennsylvania (carbon black, lampblack)	72	80	78	80	77	67	66
Texas (carbon black)	149	145	140	152	139	146	142
West Virginia (carbon black)	154	151	152	155	154	156	158

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	1,523	1,532	1,509	1,508	1,525	1,544
Carbon black [2]	1,362	1,355	1,339	1,336	1,349	1,363
Bone black and lampblac k	161	177	170	172	176	181
1923 [1]	*1,219*	1,270	1,358	1,437	1,413	1,373
1921 [1]	795	783	814	815	889	871
1919 [1]	669	676	680	698	675	688
States, 1925						
Louisiana (carbon black)	942	937	924	927	930	939
Pennsylvania (carbon black, lampblack)	64	67	65	68	74	75
Texas (carbon black)	147	151	148	151	161	163
West Virginia (carbon black)	164	158	158	149	149	152

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum 1925, 92.2; 1923, 84.8; 1921, 84.2; 1919, 94.3.
[2] Wage earners in establishments engaged primarily in the manufacture of carbon black.
[3] Wage earners in establishments engaged primarily in the manufacture of bone black or lampblack.

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TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Capacity	Number	Capacity	Number	Capacity
		Horsepower		*Horsepower*		*Horsepower*
Prime movers, total	203	7,289	203	5,567	85	1,857
Steam engines	122	4,235	84	2,665	9	455
Steam turbines	2	50				
Internal-combustion engines	70	2,172	75	2,290	42	911
Water wheels and turbines						
Electric motors driven by purchased current	69	832	44	612	34	491
Electric motors, total	72	844	64	830	34	491
Driven by purchased current	69	832	44	612	34	491
Driven by current generated in establishment reporting	3	12	20	218		
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	10	279	(1)	(1)	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1919 TO 1925

	1925	1923	1921	1919
Total value	$17,189,115	$16,760,426	$11,325,771	$8,462,363
The bone-black, carbon-black, and lampblack industry, all products	14,564,982	14,599,872	8,180,844	6,186,204
Bone black, carbon black, and lampblack	10,990,186	13,406,550	7,241,436	5,303,084
All other products [1]	3,574,796	1,193,322	939,408	883,120
Bone black and lampblack, secondary products of other industries	2,624,133	2,160,554	3,144,927	2,276,159
Bone black, carbon black, and lampblack, total all industries	13,614,319	15,567,104	10,386,363	7,579,243
Carbon black:				
Number of establishments	[2] 63	63	41	36
Pounds [3]	177,417,378	138,262,648	59,766,315	52,056,040
Value [3]	$9,639,585	$11,692,066	$5,445,878	$3,816,000
Bone black:				
Number of establishments	[2] 7	8	9	9
Pounds	64,135,425	49,724,560	53,141,089	47,500,000
Value	$2,539,704	$2,417,938	$4,005,846	$2,372,524
Lampblack:				
Number of establishments	[2] 5	4	7	5
Pounds	12,031,745	11,117,456	6,585,571	
Value	$1,435,030	$1,457,100	$934,640	$1,390,719
All other products,[1] value	$3,574,796	$1,193,322	$939,408	$883,120

[1] Natural gas, casing-head gasoline, phosphoric acid, calcium phosphate, etc.
[2] Distribution by States: Carbon black (63)—Louisiana, 34; West Virginia, 14; Texas, 7; Kentucky, 4; and 1 each in Montana, Pennsylvania, Colorado, and Wyoming. Bone black (7)—California, 2; and 1 each in Louisiana, Massachusetts, Michigan, Pennsylvania, and Texas. Lampblack (5)—Pennsylvania, 3; Massachusetts, 1; and New Jersey, 1.
[3] Figures for 1925, 1923, and 1921 supplied by the United States Bureau of Mines.

TABLE 5.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. One of the "All other States," however, reported a larger value of products than one of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States:						
The industry	66	1,720	1	223	1,505	7,289
Carbon black [1]	61	1,523	-------	192	1,331	5,747
Bone black and lampblack [2]	5	206	1	31	174	1,542
Louisiana (carbon black)	36	1,037	-------	118	919	4,252
Pennsylvania (carbon black and lampblack)	4	95	-------	23	72	327
Texas (carbon black)	6	167	-------	18	149	500
West Virginia (carbon black)	11	188	-------	34	154	585
All other States [3]	9	242	1	30	211	1,025

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [4]
United States:						
The industry	$517,785	$1,721,779	$33,785	$5,654,965	[5] $14,564,982	$8,910,017
Carbon black [1]	433,652	1,457,307	32,449	4,951,412	12,751,313	7,799,901
Bone black and lampblack [2]	84,133	264,472	1,336	703,553	1,813,669	1,110,116
Louisiana (carbon black)	283,297	948,563	-------	3,448,982	9,152,466	5,703,484
Pennsylvania (carbon black and lampblack)	34,420	89,495	1,336	220,141	670,248	450,107
Texas (carbon black)	47,927	201,901	-------	728,287	1,489,022	760,735
West Virginia (carbon black)	69,234	196,619	24,278	456,096	1,327,845	871,749
All other States [3]	82,907	285,201	8,171	801,459	1,925,401	1,123,942

[1] Establishments engaged primarily in the manufacture of carbon black.
[2] Establishments engaged primarily in the manufacture of bone black and lampblack.
[3] Kentucky (carbon black), 5 establishments; Massachusetts (bone black), 1; Montana (carbon black), 1; New Jersey (lampblack), 1; Wyoming (carbon black), 1.
[4] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[5] See first 5 lines, Table 4.

CHEMICALS, NOT ELSEWHERE CLASSIFIED

[Preliminary statistics for the principal classes of products of this industry were issued on January 18, 1927, and subsequent dates]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of products falling within the 10 groups listed in Table 2, page 719. It does not include the production of all classes of chemicals in the broad sense of the term, the principal exceptions being (1) sulphuric, nitric, and mixed acids, (2) explosives, (3) fertilizers, and (4) wood-distillation products. The manufacture of each of these four classes of products is treated as a separate industry.

At the census for 1919 the manufacture of coal-tar products was treated as a separate industry, but at all other censuses for which statistics are given in this report it has been included in the "Chemicals, not elsewhere classified" industry. The statistics for 1919 as given in the tables herewith have been revised so as to include data for coal-tar products, thus making them comparable with the figures for other years.

Rayon.—Statistics for the manufacture of rayon were included with those for the "Chemicals, not elsewhere classified" industry for 1923 and prior years. No data for the rayon industry were tabulated separately for those years, except for products for 1923. For separate statistics for the industry, see page 825. The products for 1923 are shown in footnote 2, Table 1.

Electric-furnace ferro-alloys.—At the census for 1919 the manufacture of ferro-alloys (electric-furnace and blast-furnace) was treated as a separate industry, and for this reason the statistics for 1919 are not strictly comparable with those for other years. The following statement gives, for 1919, combined summary statistics for the "Chemicals, not elsewhere classified" industry and the electric-furnace branch of the ferro-alloy industry as then classified. These figures are comparable with those shown in Table 1, page 711, for 1925, 1923, 1921, and 1914.

CHEMICALS, NOT ELSEWHERE CLASSIFIED, INCLUDING ELECTRIC-FURNACE FERRO-ALLOYS—SUMMARY: 1919

ITEM	Number or amount
Number of establishments	797
Wage earners (average number)	71,957
Wages	$97,145,730
Paid for contract work	$2,265,906
Cost of materials (including also cost of fuel, electric power, and containers)	$285,661,821
Value of products	$582,808,369
Value added by manufacture [1]	$297,146,548
Horsepower	449,798

[1] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

Detailed statistics of products.—No statistics of quantities or values of individual classes of chemicals manufactured are given in the report for the industry proper (Tables 1–4, pp. 711 to 714), but such statistics will be found in Tables 3–15, pages 720 to 738, of the section "Combined statistics of materials and products."

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5. See also "Rayon," p. 710]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	715	55,694	$80,434,042	$66,528	$271,646,392	$547,003,093	$275,356,701	657,867
1923	736	74,897	99,845,388	165,515	316,901,405	630,870,249	313,968,844	669,327
1921	602	46,306	58,023,943	235,106	190,502,119	390,768,434	200,266,315	(3)
1919 [4]	781	71,249	96,250,464	2,218,568	280,298,013	574,141,030	293,843,017	[5] 445,203
1914	395	32,311	22,066,212	375,435	89,450,694	158,053,602	68,602,908	[5] 267,907
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	—2.9	—25.6	—19.4	—59.8	—14.3	—13.3	—12.3	—1.7
1921–1923	6.4	61.7	72.1	—29.6	66.4	61.4	56.8	
1921–1925	3.3	20.3	38.6	—71.7	42.6	40.0	37.5	
1914–1925	81.0	72.4	264.5	—82.3	203.7	246.1	301.4	145.6

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] See "Electric-furnace ferro-alloys," p. 710.
[5] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric. (See footnote 1, Table 3, p. 712)

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 4, p. 713. See also "Rayon," p. 710]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	55,694	55,660	55,904	56,536	55,676	55,048	54,993
1923 [1]	74,897	73,688	74,405	76,265	76,637	76,719	77,409
1921 [1]	46,306	52,958	48,988	47,018	44,230	43,763	43,603
1919 [1]	71,249	76,721	72,662	67,976	65,411	65,589	66,340
Alabama	423	420	415	430	451	429	414
California	1,575	1,743	1,581	1,553	1,468	1,476	1,521
Colorado	176	168	170	185	172	179	173
Georgia	69	68	68	70	72	68	65
Illinois	3,649	3,661	3,750	3,762	3,659	3,632	3,742
Indiana	1,205	1,176	1,165	1,210	1,115	1,083	1,005
Iowa	159	115	160	169	157	177	179
Kentucky	137	137	136	135	140	139	139
Louisiana	63	59	64	68	65	65	64
Maryland	764	804	836	869	625	623	620
Massachusetts	2,604	2,630	2,653	2,627	2,607	2,434	2,519
Michigan	4,819	4,983	4,995	4,886	5,034	4,927	4,758
Minnesota	232	203	183	197	261	269	285
Missouri	896	878	876	935	925	905	910
Nebraska	34	35	35	37	37	33	32
New Jersey	11,722	11,889	11,911	11,978	11,719	11,359	11,198
New York	13,377	12,962	12,832	13,174	13,179	13,327	13,533
Ohio	4,184	3,987	4,162	4,174	4,059	4,204	4,348
Oklahoma	24	22	22	23	22	22	21
Pennsylvania	3,316	3,277	3,258	3,335	3,303	3,273	3,250
Rhode Island	248	234	233	246	254	253	251
Tennessee	915	1,107	1,149	1,126	1,080	1,031	951
Texas	172	167	173	167	167	172	171
Utah	52	48	48	50	52	51	54
Virginia	1,288	1,168	1,225	1,244	1,246	1,284	1,273
Washington	225	199	210	223	229	248	260
West Virginia	710	699	716	710	716	710	706
Wisconsin	578	597	612	609	583	561	546

See footnote at end of table

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925—Continued

[See note at head of this table]

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	*54,700*	54,883	55,171	56,154	56,607	**56,995**
1923 [1]	76,337	74,657	73,512	72,977	73,180	*72,976*
1921 [1]	*42,885*	43,374	45,147	47,067	48,306	**48,339**
1919 [1]	68,010	70,841	73,454	75,307	76,168	76,430
Alabama	419	417	405	431	421	428
California	1,596	1,666	1,707	1,622	1,509	1,464
Colorado	178	182	181	171	175	183
Georgia	70	74	74	70	66	63
Illinois	3,498	3,544	3,628	3,660	3,588	3,666
Indiana	990	1,068	1,202	1,450	1,535	1,465
Iowa	157	158	153	185	170	124
Kentucky	131	130	137	139	141	148
Louisiana	55	62	62	62	61	60
Maryland	709	775	771	828	844	869
Massachusetts	2,566	2,627	2,753	2,871	2,840	2,846
Michigan	4,618	4,547	4,632	4,688	4,831	4,929
Minnesota	231	216	247	256	247	190
Missouri	878	929	932	931	838	820
Nebraska	33	33	33	33	34	36
New Jersey	11,213	11,521	11,764	12,051	12,043	12,018
New York	13,656	13,627	13,440	13,468	13,607	13,711
Ohio	4,271	4,153	4,089	4,269	4,285	4,204
Oklahoma	22	23	24	25	27	32
Pennsylvania	3,270	3,281	3,326	3,367	3,406	3,447
Rhode Island	252	256	244	252	250	249
Tennessee	887	718	638	639	768	881
Texas	173	171	175	170	175	183
Utah	54	55	54	53	53	53
Virginia	1,312	1,338	1,381	1,318	1,329	1,342
Washington	243	229	222	201	192	251
West Virginia	690	676	653	711	725	811
Wisconsin	566	556	566	567	584	577

[1] Month of maximum employment indicated by **bold-faced** figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 96; 1923, 94.3; 1921, 81; 1919, 85.3.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921. See "Rayon," p. 710]

TYPE	1925		1923		1919	
	Number	Capacity	Number	Capacity	Number	Capacity
		Horsepower		*Horsepower*		*Horsepower*
Prime movers, total	16,704	657,867	38,113	669,327	14,549	[1] 445,203
Steam engines	902	134,978	1,275	239,578	1,470	151,474
Steam turbines	203	138,411			258	130,973
Internal-combustion engines	59	3,081	59	4,808	136	5,269
Water wheels and turbines	58	151,101	50	161,079	31	3,692
Electric motors driven by purchased current	15,482	230,296	36,729	263,862	12,654	153,795
Electric motors, total	26,091	382,062	47,588	428,421	22,959	289,666
Driven by purchased current	15,482	230,296	36,729	263,862	12,654	153,795
Driven by current generated in establishment reporting	10,609	151,766	10,859	164,559	10,305	135,871
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	395	176,039	(2)	(2)	(2)	(2)

[1] This total differs slightly from that given in the report for 1919 because of the exclusion here and the inclusion in the 1919 report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

[2] Not called for on schedule.

TABLE 4.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States:						
The industry as a whole	715	67,685	57	[1] 11,934	55,694	657,867
Chemicals not of coal-tar origin	588	58,107	42	9,671	48,394	597,899
Coal-tar products	127	9,578	15	2,263	7,300	59,968
Alabama	9	545	-------	122	423	2,923
California	47	2,032	3	454	1,575	24,016
Colorado	9	236	-------	60	176	1,140
Georgia	6	120	-------	51	69	1,097
Illinois	43	4,122	1	472	3,649	37,405
Indiana	16	1,468	-------	263	1,205	8,657
Iowa	7	205	-------	46	159	1,108
Kentucky	4	186	-------	49	137	1,350
Louisiana	4	113	-------	50	63	534
Maryland	11	852	-------	88	764	5,562
Massachusetts	31	3,169	8	497	2,664	14,562
Michigan	21	5,523	4	700	4,819	80,166
Minnesota	11	327	-------	95	232	1,534
Missouri	20	1,252	4	352	896	5,896
Nebraska	5	65	-------	31	34	586
New Jersey	115	14,556	8	2,826	11,722	64,216
New York	101	16,170	16	2,777	13,377	106,933
Ohio	63	5,078	1	893	4,184	48,297
Oklahoma	4	54	-------	30	24	964
Pennsylvania	73	4,209	8	885	3,316	24,208
Rhode Island	7	294	-------	46	248	1,865
Tennessee	10	998	-------	83	915	25,031
Texas	12	250	-------	78	172	3,494
Utah	5	74	-------	22	52	1,167
Virginia	15	1,547	2	257	1,288	12,457
Washington	14	307	1	81	225	7,220
West Virginia	15	889	-------	179	710	18,622
Wisconsin	14	763	-------	185	578	7,136
All other States [3]	23	2,281	1	262	2,018	149,721

See footnotes at end of table

TABLE 4.—GENERAL STATISTICS, BY STATES: 1925—Continued

[See note at head of this table]

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [2]
United States:						
The industry as a whole [1]	$29,962,490	$80,434,642	$66,528	$271,646,392	$547,003,093	$275,356,701
Chemicals not of coal-tar origin	23,512,786	69,951,261	42,459	228,158,853	461,014,029	232,855,176
Coal-tar products	6,449,704	10,483,381	24,069	43,487,539	85,989,064	42,501,525
Alabama	251,353	447,481	----------	2,508,612	4,666,619	2,158,007
California	1,058,921	2,026,114	----------	6,996,452	14,076,568	7,080,116
Colorado	133,234	234,988	----------	787,694	1,834,602	1,046,908
Georgia	96,538	81,474	----------	278,927	1,088,901	809,974
Illinois	1,183,234	5,232,118	400	20,263,115	38,553,305	18,290,190
Indiana	601,048	1,922,635	77	6,669,375	12,246,300	5,576,925
Iowa	124,882	189,632	----------	992,490	1,728,630	736,140
Kentucky	111,117	153,710	----------	478,900	1,082,380	603,480
Louisiana	83,160	75,324	----------	207,957	938,789	730,832
Maryland	194,262	1,045,502	----------	5,088,619	8,358,482	3,269,863
Massachusetts	1,117,561	3,597,785	----------	6,584,962	15,716,403	9,131,441
Michigan	1,815,831	7,784,150	----------	18,335,255	42,900,376	24,565,121
Minnesota	135,053	312,052	----------	1,060,684	2,620,112	1,559,428
Missouri	903,413	1,257,412	----------	6,976,481	12,988,083	6,011,602
Nebraska	58,698	49,058	----------	122,890	510,629	387,739
New Jersey	7,324,452	17,362,950	23,300	68,136,030	122,699,466	54,563,436
New York	7,523,783	19,292,128	6,919	57,747,474	132,658,955	74,911,481
Ohio	2,265,446	6,444,039	34,727	20,824,976	40,908,696	20,083,720
Oklahoma	51,330	33,789	----------	135,998	459,698	323,760
Pennsylvania	2,139,956	4,736,875	----------	18,960,760	36,067,123	17,106,363
Rhode Island	108,190	352,144	----------	911,135	1,640,303	729,168
Tennessee	251,828	1,075,005	----------	4,826,509	9,590,701	4,764,192
Texas	134,722	178,010	----------	610,226	1,736,654	1,126,428
Utah	38,088	93,182	----------	299,760	712,743	412,983
Virginia	613,236	1,601,342	----------	3,791,307	8,152,261	4,360,954
Washington	158,586	315,904	250	846,730	2,259,685	1,412,955
West Virginia	506,274	960,335	----------	3,684,478	6,272,682	2,588,204
Wisconsin	382,493	902,894	795	3,166,541	5,959,897	2,793,356
All other States [3]	595,801	2,586,601	----------	10,352,055	18,574,050	8,221,995

[1] Not including 2,691 salaried officers and employees of central administrative offices, with salaries aggregating $7,247,052. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 14,625 salaried officers and employees and $37,209,542. (See "Central-administrative-office employees," p. 1193.)

[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[3] Arizona, 2 establishments; Arkansas, 2; Connecticut, 4; Delaware, 1; Kansas, 3; Maine, 1; Montana, 2; New Hampshire, 2; North Carolina, 3; Oregon, 1; South Carolina, 1; South Dakota, 1.

SULPHURIC, NITRIC, AND MIXED ACIDS

[A preliminary report for this industry was issued under date of January 18, 1927]

Description of the industry.—This industry designation covers establishments engaged primarily in the manufacture of sulphuric, nitric, and mixed (sulphuric-nitric) acids, and the statistics in Tables 1–4, herewith, relate to such establishments only. These acids, are, however, manufactured to a considerable extent as secondary products by establishments in the "Chemicals, not elsewhere classified" and other industries. (See "Classification by industries," p. 6.)

Detailed statistics of products.—No statistics of quantities and values of the several kinds of acids manufactured are given in the report for the industry proper (Tables 1–4, pp. 715 to 717), but such statistics will be found in Tables 3–5, pages 720 to 724, of the section "Combined statistics of materials and products."

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	36	2,196	$3,102,790	--------	$11,066,076	$23,307,013	$12,240,937	22,120
1923	37	2,357	3,455,603	$6,249	11,695,216	24,404,580	12,709,364	19,131
1921	36	2,832	4,137,062	--------	9,770,387	21,462,920	11,692,533	(3)
1919	39	4,961	7,916,531	47,867	15,857,361	31,470,480	15,613,119	30,637
1914	32	3,064	2,212,547	6,315	6,734,428	15,215,474	8,481,046	[4] 21,002
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	(5)	—6.8	—10.2	--------	—5.4	—4.5	—3.7	15.6
1921–1923	(5)	—16.8	—16.5	--------	19.7	13.7	8.7	--------
1921–1925	(5)	—22.5	—25.0	--------	13.3	8.6	4.7	--------
1914–1925	(5)	—28.3	40.2	--------	64.3	53.2	44.3	5.3

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] This item differs from the corresponding one published in the report for 1914 because of the exclusion here and the inclusion in the previous report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).
[5] Not computed where base is less than 100.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 4, p. 717]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	2,196	2,164	2,183	*2,143*	2,170	2,171	2,158
1923 [1]	2,357	*2,251*	2,360	2,377	2,379	2,429	2,393
1921 [1]	2,832	3,490	3,111	2,852	2,801	2,825	2,810
1919 [1]	4,961	5,529	5,301	4,690	4,438	4,446	4,415
New Jersey	349	373	368	360	345	352	354
New York	213	166	164	160	209	234	227
Pennsylvania	255	253	263	267	261	253	242

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	2,197	2,219	2,227	2,218	2,246	**2,262**
1923 [1]	2,359	2,336	2,307	2,427	2,362	2,300
1921 [1]	2,704	2,664	*2,462*	2,720	2,772	**2,762**
1919 [1]	*4,331*	4,893	4,932	5,425	5,368	**5,784**
New Jersey	348	331	339	338	334	349
New York	230	261	262	220	210	211
Pennsylvania	252	251	242	247	268	261

Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 94.7; 1923, 92.7; 1921, 70.5; 1919, 75.1.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Capacity	Number	Capacity	Number	Capacity
		Horsepower		*Horsepower*		*Horsepower*
Prime movers, total	802	22,120	686	19,131	938	30,637
Steam engines	88	4,443	98	5,296	107	8,737
Steam turbines	3	275			20	3,935
Internal-combustion engines	16	1,521	16	1,488	15	1,755
Water wheels and turbines					1	25
Electric motors driven by purchased current	755	15,881	572	12,347	795	16,185
Electric motors, total	968	18,257	873	15,157	1,509	28,001
Driven by purchased current	755	15,881	572	12,347	795	16,185
Driven by current generated in establishment reporting	213	2,376	301	2,810	714	11,906
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	19	1,835	(1)	(1)	(1)	(1)

[1] Not called for on schedule.

TABLE 4.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. One of the "All other States," however, reported a larger value of products than any of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY			Horsepower
		Total	Salaried officers and employees	Wage earners (average number)	
United States	36	2,443	[1] 247	2,196	22,120
New Jersey	4	394	45	349	1,813
New York	3	224	11	213	1,603
Pennsylvania	5	297	42	255	2,883
All other States [2]	24	1,528	149	1,379	15,821

STATE	Salaries	Wages	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $709,020	$3,102,790	$11,066,076	$23,307,013	$12,240,937
New Jersey	117,941	537,684	1,723,798	2,925,167	1,201,369
New York	26,126	315,219	1,443,316	2,391,323	948,007
Pennsylvania	130,455	399,668	1,390,539	2,742,030	1,351,491
All other States [2]	434,498	1,850,219	6,508,423	15,248,493	8,740,070

[1] Not including 142 salaried officers and employees of central administrative offices, with salaries aggregating $420,549. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 389 salaried officers and employees and $1,129,569. (See "Central-administrative-office employees," p. 1193.)

[2] Alabama, 1 establishment; Arkansas, 2; California, 4; Colorado, 1; Connecticut, 1; Illinois, 1; Kansas, 1; Louisiana, 1; Ohio, 4; Oklahoma, 1; Tennessee, 1; Texas, 3; Utah, 1; Virginia, 1; Wisconsin, 1.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

CHEMICALS—COMBINED STATISTICS OF MATERIALS AND PRODUCTS

As already explained (see "Description of the industry," p. 710), chemicals are manufactured to a considerable extent in industries other than "Chemicals, not elsewhere classified." Moreover, the total output of the establishments engaged primarily in the manufacture of sulphuric, nitric, and mixed acids (that is to say, the industry proper) constitutes considerably less than one-half of the total production of these acids by all establishments reporting their manufacture.

For these reasons combined statistics of specified materials and of products are presented in this section. The statistics of specified materials (Table 1) cover the two industries, "Chemicals, not elsewhere classified" and "Sulphuric, nitric, and mixed acids," and the product statistics (Tables 2–15) refer to the manufacture of chemicals belonging in the 10 groups shown in Table 2, page 719, by all establishments reporting such chemicals either as primary or as secondary products.

In most cases where the amounts of specified kinds of chemicals made and consumed in the same establishments in the manufacture of other chemicals were reported, the total production and the production for sale are given separately, the difference representing the consumption within the producing establishments. Where no separate figures are given the quantities and values shown relate to the amounts made for sale.

TABLE 1.—CONSUMPTION OF PURCHASED MATERIALS, BY QUANTITY AND COST: 1925, 1923,[1] AND 1919

[The statistics given in this table cover only the "Chemicals, not elsewhere classified" and the "Sulphuric nitric, and mixed acids" industries, and do not represent the total consumption by all industries]

[Ton, 2,000 pounds]

	1925	1923	1919
Sulphur:			
Tons	561,930	578,100	203,250
Cost	$9,497,021	$9,982,067	$6,062,915
Pyrites:			
Tons	384,005	471,146	695,974
Cost	$1,763,172	$1,991,954	$4,381,185
Sodium nitrate:			
Tons	61,758	114,395	78,810
Cost	$3,113,618	$6,078,455	$5,321,440
Sulphuric acid:			
Tons	[2] 306,059	[2] 446,522	452,445
Cost	$2,179,660	$3,372,866	$4,933,900
Nitric acid:			
Tons	8,059	4,961	9,340
Cost	$963,969	$536,160	$689,713
Soda ash:			
Tons	146,139	(3)	(3)
Cost	$3,923,356		
Caustic soda:			
Tons	49,871	(3)	(3)
Cost	$2,687,053		
Calcium carbide:[4]			
Tons	54,786	54,558	(3)
Cost	$4,377,276	$4,384,598	
Acetone:[4]			
Pounds	1,946,000	1,588,000	(3)
Cost	$235,072	$333,400	

[1] No data for 1921. [2] Basis, 50° Baumé. [3] No data. [4] Consumed in the manufacture of acetylene.

TABLE 2.—VALUE OF CHEMICAL PRODUCTS, BY INDUSTRIES AND BY CHEMICAL GROUPS: 1919 TO 1925

INDUSTRY OR CHEMICAL GROUP	1925	1923	1921	1919
Total	$637,845,566	$708,372,250	$454,373,920	$685,268,285
INDUSTRIES				
Chemicals, not elsewhere classified (all products [1])	547,003,093	630,870,249	390,768,434	574,141,030
Sulphuric, nitric, and mixed acids (all products [1])	23,307,013	24,404,580	21,462,920	31,470,480
Other industries (secondary chemical products)	67,535,460	53,097,421	42,142,566	79,656,775
CHEMICAL GROUPS				
I.—Acids	80,151,249	79,005,511	59,538,275	86,085,962
II.—Nitrogen and fixed-nitrogen compounds	29,659,414	30,435,909	21,059,976	27,153,083
III.—Sodium compounds	109,522,017	111,848,381	83,698,199	99,689,828
IV.—Potassium compounds	6,071,146	6,318,822	4,934,749	18,407,253
V.—Alums and other aluminum compounds	11,581,290	11,066,611	23,243,824	43,433,482
VI.—Bleaching compounds	17,164,975	16,729,233	13,900,353	12,392,806
VII.—Coal-tar products	112,201,348	121,893,211	75,918,521	133,499,742
VIII.—Plastics and pyroxylin solutions	48,731,957	102,229,807	58,836,711	77,477,041
IX.—Compressed and liquefied gases	55,532,616	53,384,029	40,420,835	43,263,918
X.—Chemicals, miscellaneous	205,364,186	202,595,795	108,230,098	156,672,155
Group total, gross	675,980,198	735,507,309	489,781,541	698,076,170
Intergroup duplication [2]	63,793,548	47,976,961	46,616,100	54,083,270
Total chemicals, net	612,186,650	687,530,348	443,165,441	643,992,900
By-products and residues of chemical operations [3]	6,170,521	2,897,490	4,810,803	25,923,661
By-products, not chemical [4]	19,421,867	17,667,995	6,308,286	14,870,876
Amount received for contract work	66,528	276,417	89,390	480,848

[1] Includes "By-products and residues of chemical operations," "By-products, not chemical," and "Amount received for contract work."

[2] For example: Carbonic acid (carbon dioxide) is included in Groups I and IX, and sodium hypochlorite in Groups III and VI.

[3] Paints and pigments, insecticides, soaps and softeners, phosphatic materials, etc.

[4] Tarred felts, candles, containers, fertilizer materials, melting scrap, merchandise (goods sold in condition in which purchased), etc.

TABLE 3.—GROUP I, ACIDS, BY CLASS, KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Total value	$80, 151, 249	$79, 005, 511	$59, 538, 275	$86, 085, 962
Inorganic	58, 958, 357	59, 436, 428	46, 879, 890	59, 767, 725
Organic*	21, 192, 892	19, 569, 083	12, 658, 385	26, 318, 237
*Acetic:				
Number of establishments	16	16	17	22
Value	$4, 437, 622	$4, 154, 838	$1, 790, 857	$4, 204, 044
Dilute—				
Total production, pounds	29, 824, 953	29, 470, 045	23, 530, 087	42, 248, 803
For sale—Pounds	28, 722, 303	28, 032, 384	22, 448, 683	38, 057, 776
Value	$775, 668	$876, 864	$701, 163	$1, 359, 521
Glacial—				
Total production, pounds	35, 020, 394			
For sale—Pounds	34, 780, 683	32, 663, 200	15, 544, 157	21, 926, 472
Value	$3, 070, 134	29, 619, 745	12, 096, 129	20, 458, 821
Anhydride—		$3, 277, 974	$1, 089, 604	$2, 004, 523
Pounds	2, 088, 567			
Value	$591, 820			
Boric (boracic):				
Number of establishments	4	3	5	6
Pounds	15, 604, 654	17, 277, 801	12, 692, 370	13, 454, 100
Value	$1, 202, 382	$1, 736, 081	$1, 780, 589	$1, 754, 632
Carbonic (carbon dioxide, CO_2):				
Number of establishments	44	45	43	42
Pounds	59, 721, 309	51, 095, 965	54, 615, 742	59, 771, 411
Value	$5, 128, 441	$4, 992, 373	$6, 374, 619	$6, 574, 260
*Citric:				
Number of establishments	6	6	5	6
Pounds	7, 508, 213	5, 689, 473	3, 849, 789	3, 163, 676
Value	$3, 469, 740	$2, 820, 306	$1, 913, 774	$3, 047, 371
Hydrochloric (muriatic):				
Number of establishments	37	39	37	40
Total production, tons	227, 800	218, 521	157, 571	221, 749
For sale—Tons	155, 019	155, 814	96, 100	150, 090
Value	$2, 976, 155	$3, 102, 172	$2, 778, 468	$4, 312, 253
Production according to strength, tons—				
18° Baumé	25, 461	32, 442	22, 397	
20° Baumé	201, 093	181, 131	133, 336	(1)
C. P. and 100 per cent	1, 246	[2] 4, 948	[2] 1, 838	
Total production, basis 100 per cent, tons	71, 619	69, 092	49, 823	
Production by industries, tons,—				
"Chemicals, not elsewhere classified" industry	186, 287	174, 666	124, 156	112, 662
All other industries	41, 513	43, 855	33, 415	109, 087
Production by States, tons—				
California	3, 839	6, 536	2, 594	----------
Illinois	32, 686	(3)	(3)	(3)
Michigan	7, 959	(3)	(3)	(3)
New Jersey	22, 537	22, 936	16, 730	22, 855
New York	14, 115	16, 660	10, 484	19, 507
Pennsylvania	16, 788	18, 234	9, 080	24, 060
All other States	129, 876	154, 155	118, 683	155, 327
*Hydrocyanic:				
Number of establishments	7	----------	----------	----------
Pounds	2, 288, 598	----------	----------	----------
Value	$888, 101	(4)	(4)	(4)
Hydrofluoric:				
Number of establishments	8	7	6	6
Total production, pounds	7, 260, 765	4, 868, 381	3, 504, 386	5, 732, 198
For sale—Pounds	5, 088, 303	4, 267, 459	2, 593, 674	4, 320, 017
Value	$526, 555	$413, 821	$329, 329	$440, 184

See footnotes at end of table

TABLE 3.—GROUP I, ACIDS, BY CLASS, KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Mixed (sulphuric-nitric):				
Number of establishments	39	51	58	42
Total production, tons	160,629	156,467	89,544	114,886
For sale—Tons	61,290	77,933	40,248	46,428
Value	$3,766,701	$5,502,735	$3,406,495	$4,426,637
Production by industries, tons—				
"Chemicals, not elsewhere classified" industry	42,697	34,350	14,748	10,076
"Explosives" industry	88,029	102,006	56,708	72,174
"Sulphuric, nitric, and mixed acids" industry	29,903	20,111	18,088	32,636
Production by States, tons—				
Illinois	3,648	6,910	2,861	11,925
New Jersey	70,669	52,557	43,637	40,545
New York	21,366	(3)	(3)	(3)
Pennsylvania	17,763	20,220	12,145	8,117
All other States	47,183	76,780	30,901	54,209
Nitric:				
Number of establishments	53	55	56	59
Total production, tons	119,652	113,116	57,887	86,992
For sale—Tons	26,852	21,759	8,300	19,426
Value	$3,559,695	$2,741,370	$1,317,918	$2,976,095
Production according to strength, tons—				
36° Baumé	2,012	4,928	643	
38° Baumé	6,515	10,758	3,836	
40° Baumé	92,632	74,682	40,229	
100 per cent	17,677	21,948	12,935	(1)
C. P	816	800	244	
Total production, basis 100 per cent, tons	80,443	77,633	40,475	
Production by industries, tons—				
"Chemicals, not elsewhere classified" industry	26,750	33,602	13,271	18,162
"Explosives" industry	80,821	65,595	34,376	48,588
"Sulphuric, nitric, and mixed acids" industry	12,081	13,919	10,213	18,831
Other industries			27	611
Production by States, tons—				
California	6,914	6,208	4,029	(3)
Colorado	3,118	(3)	(3)	(3)
Illinois	4,073	4,709	2,301	5,051
Michigan	2,512	(3)	(3)	(3)
Missouri	11,606	(3)	(3)	(3)
New Jersey	44,926	44,804	23,846	28,918
New York	4,654	6,103	2,841	4,212
Pennsylvania	15,253	15,606	7,392	5,083
All other States	26,596	35,686	17,478	43,728
*Oleic:				
Number of establishments	15	15	15	15
Pounds	65,036,276	48,786,009	47,895,515	44,350,574
Value	$6,957,871	$4,353,654	$3,338,090	$6,548,564
Phosphoric:				
Number of establishments	7	11	11	9
Total production, pounds	29,571,922	17,829,723	8,942,095	22,109,302
For sale—Pounds	21,330,215	12,829,361	6,197,045	13,379,501
Value	$1,488,701	$955,194	$898,744	$1,711,148
Rare metal acids:[4]				
Number of establishments	6			
Pounds	411,154	169,917	467,654	164,346
Value	$453,307	$107,787	$475,141	$226,779
*Stearic:				
Number of establishments	9	13	9	9
Pounds	19,761,268	22,477,754	14,331,553	16,969,878
Value	$2,469,852	$2,752,995	$1,512,207	$3,796,439

See footnotes at end of table

TABLE 3.—GROUP I, ACIDS, BY CLASS, KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Sulphuric:				
Number of establishments	177	185	197	216
Total production, basis 50° Baumé, tons	7,004,112	6,555,517	4,369,941	5,552,581
For sale—Tons	4,700,197	4,344,698	2,603,532	3,331,362
Value	$38,230,284	$38,274,540	$27,417,905	$35,932,605
Production according to strength—				
For sale—				
50° Baumé—Tons	723,955	259,812	139,949	839,780
Value	$5,430,611	$2,150,439	$1,515,773	$9,543,118
60° Baumé—Tons	971,750	1,204,720	689,709	949,371
Value	$7,609,027	$9,890,933	$6,975,211	$9,498,800
66° Baumé—Tons	787,826	674,148	485,050	707,303
Value	$10,316,880	$10,097,966	$8,692,205	$13,521,316
All other sulphuric[5]—Tons	967,525	961,355	536,960	133,655
Value	$14,873,766	$16,135,202	$10,234,716	$3,369,371
Made and consumed in the same establishments—				
50° Baumé, tons	1,430,769	1,304,254	1,181,632	1,910,332
60° Baumé, tons	231,298	308,096	254,713	70,681
66° Baumé, tons	178,603	126,483	108,525	126,892
All other sulphuric, tons	193,845	203,534	73,540	18,149
Sulphuric, reclaimed (basis 50° Baumé):				
Number of establishments	66	64	34	65
Total, tons	768,765	588,668	200,861	473,555
For sale—Tons	209,589	170,138	167,627	95,119
Value	$1,479,145	$1,478,558	$1,633,610	$803,144
*Tannic:				
Number of establishments	6	5	6	4
Pounds	1,439,957	969,541	776,603	845,065
Value	$585,951	$357,023	$327,371	$746,825
*Tartaric:				
Number of establishments	4	4	----------	4
Pounds	5,498,920	5,868,000	----------	5,312,065
Value	$1,541,955	$1,544,431	(4)	$4,262,376
Other inorganic acids, value	[7] $146,991	$131,797	$467,072	$609,998
*Other organic acids, value	[8] $841,800	$3,576,836	$3,776,086	$3,652,618

* Organic.
[1] No data.
[2] Includes 22° and 24° acid.
[3] Included in "All other States."
[4] Included in "Other organic acids."
[5] Named in order of value: Vanadic, molybdic, and tungstic.
[6] Oleum or fuming, trioxide, 100 per cent, and all strengths above 66°.
[7] Named in order of value: Chlorosulphonic, chromic, and hydriodic (aggregating $134,262); and hydrofluosilicic, hypophosphorous, perchloric, sulphurous, hydrobromic, metanilic, and glycerophosphoric ($12,729).
[8] Named in order of value: Oxalic, lactic, pyrogallic, and pyroligneous (aggregating $764,221); gallic, butyric, propionic, and valeric ($11,662); and miscellaneous acids ($65,460).

NOTE.—Production as reported by the United States Tariff Commission, 1925 (Tariff Information Series, No. 34)—

ACIDS OF COAL-TAR ORIGIN	Number of mfrs.	Total production (pounds)	ACIDS OF NONCOAL-TAR ORIGIN	Number of mfrs.	Total production (pounds)
P-aminobenzoic acid	3	17,433	n-Butyric acid	2	----------
Anthranilic acid (o-aminobenzoic)	2	----------	d-Camphoric acid	1	----------
Aspirin (acetyl salicylic)	4	1,499,166	Diethylbarbituric acid (barbital)	4	7,622
Benzoic acid, tech	2	----------	Gallic acid	3	550,004
Benzoic acid, U. S. P	5	183,906	Glycerophosphoric acid and salts	2	----------
Cinchophen (phenyl cinchoninic acid)	6	60,722	Lactic acid	2	----------
Cinnamic acid	5	2,728	Lactic acid, edible	1	----------
Cresylic acid, refined	1	----------	Oxalic acid	2	----------
Metanilic acid	6	430,042	Propionic acid	1	----------
Phenol (carbolic acid)	7	14,734,065	Pyrogallic acid (pyrogallol)	3	174,251
Salicylic acid, tech	3	2,563,102	n-Valeric acid	1	----------
Salicylic acid, U. S. P	4	2,510,876			

TABLE 4.—SULPHURIC ACID—PRODUCTION, BY INDUSTRIES AND BY PROCESSES, AND PRODUCTION FROM ZINC AND COPPER ORES: 1919 TO 1925

[Ton, 2,000 pounds]

	1925	1923	1921	1919
Total production, basis 50° Baumé, tons	7,004,112	6,555,517	4,369,941	5,552,581
For sale—Tons	4,700,197	4,344,698	2,603,532	3,331,362
Value	$38,230,284	$38,274,540	$27,417,905	$35,932,605
Made and consumed in the same establishments, tons	2,303,915	2,210,819	1,766,409	2,221,219
BY INDUSTRIES				
(Basis 50° Baumé)				
"Sulphuric, nitric, and mixed acids" industry:				
Total production of sulphuric acid, tons	2,165,085	2,049,293	1,523,178	1,898,778
For sale—Tons	1,935,065	1,874,516	1,379,924	1,685,341
Value	$16,020,512	$17,139,567	$14,406,476	$18,112,942
Made and consumed, tons	230,020	174,777	143,254	213,437
"Chemicals, not elsewhere classified" industry:				
Total production of sulphuric acid, tons	1,867,163	1,926,142	905,468	775,499
For sale—Tons	1,348,124	1,426,909	623,317	524,135
Value	$11,612,934	$13,429,785	$7,227,859	$6,460,983
Made and consumed, tons	519,039	499,233	282,151	251,364
"Fertilizers" industry:				
Total production of sulphuric acid, tons	2,008,418	1,631,217	1,321,844	1,812,084
For sale—Tons	662,976	265,333	176,408	282,460
Value	$4,812,152	$2,006,054	$1,881,776	$3,329,628
Made and consumed, tons	1,345,442	1,365,884	1,145,436	1,529,624
"Explosives" industry:				
Total production of sulphuric acid, tons	162,057	146,938	94,930	85,228
For sale—Tons	47,848	38,983	28,944	42,041
Value	$414,328	$380,385	$336,862	$537,077
Made and consumed, tons	114,209	107,955	65,986	43,187
All other—"Petroleum refining," Zinc and copper smelting, etc.:				
Total production of sulphuric acid, tons	801,389	801,927	524,521	980,992
For sale—Tons	706,184	738,957	394,939	797,385
Value	$5,370,358	$5,318,749	$3,564,932	$7,491,975
Made and consumed, tons	95,205	62,970	129,582	183,607
BY PROCESSES				
(Basis 50° Baumé)				
Chamber process:				
Number of establishments	[1] 153	160	----------	(2)
Tons	4,953,582	4,743,176	3,267,374	
Contact process:				
Number of establishments	[1] 37	34	----------	
Tons	2,050,530	1,812,341	1,102,567	
Per cent of total	29.2	27.6	25.2	
Weight of platinum in contact mass, troy ounces	30,348	36,650	31,588	38,485
From zinc and copper ores, by smelters and roasters (included above)				
From zinc ores				
Number of establishments	10	11	14	14
For sale:				
Tons, basis 60° Baumé	480,378	384,489	286,826	502,324
Value	$4,492,543	$3,375,020	$3,403,968	$6,165,336
Reported as 50°-60° Baumé—				
Tons	448,638	290,370	195,894	389,466
Value	$3,822,892	$2,453,964	$2,155,314	$4,698,035
Reported as 60° Baumé and stronger—				
Tons	46,932	76,809	72,038	79,148
Value	$669,651	$921,056	$1,248,654	$1,467,301
From copper ores				
Number of establishments	4	4	5	6
Tons, basis 60° Baumé	392,652	401,300	285,444	364,581
Value	$2,276,596	$2,834,137	$2,431,025	$2,084,087

[1] Both processes employed by 13 establishments; total number, 177.
[2] Reported as chamber process, 3,757,887 tons; contact process, 1,141,418 tons; and chamber and contact, not distributed, 653,270 tons.

TABLE 5.—SULPHURIC ACID—PRODUCTION, BY STRENGTH, QUANTITY, AND VALUE, FOR THE UNITED STATES, 1919 TO 1925, AND FOR STATES, 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, outranked some of those shown separately]

[Ton, 2,000 pounds]

STATE	Number of establishments	PRODUCTION ACCORDING TO STRENGTH, TONS				TOTAL, BASIS 50° BAUMÉ	
		50° Baumé	60° Baumé	66° Baumé	100 per cent, etc.[1]	Tons	Value
Total production, including amount made and consumed in the same establishments:							
1925	177	2,154,724	1,203,048	966,429	1,161,370	7,004,112	
1923	185	1,564,066	1,512,816	800,631	1,164,889	6,555,517	
1921	197	1,321,581	944,422	593,575	610,500	4,369,941	
1919	216	2,750,112	1,020,052	834,195	151,804	5,552,581	
For sale—							
1925		723,955	971,750	787,826	967,525	4,700,197	$38,230,284
1923		259,812	1,204,720	674,148	961,355	4,344,698	38,274,540
1921		139,949	689,709	485,050	536,960	2,603,532	27,417,905
1919		839,780	949,371	707,303	133,655	3,331,362	35,932,605
Alabama:							
Total production	9	77,813	43,747	33,891		183,333	
For sale		5,822	43,747	26,987		100,986	$775,658
California:							
Total production	6			35,358	233,941	429,682	
For sale				35,008	225,221	415,118	4,307,912
Florida:							
Total production	3	28,700	105			28,831	
For sale			105			131	1,255
Georgia:							
Total production	19	237,404	21,526			264,311	
For sale		23,965	21,526			50,872	380,462
Illinois:							
Total production	11	133,121	124,636	31,424	141,046	574,730	
For sale		120,192	114,350	29,718	126,108	522,316	3,929,535
Louisiana:							
Total production	3	49,549				49,549	
For sale		5,978				5,978	37,985
Maryland:							
Total production	6	578,383	71,484			667,738	
For sale		262,055	49,049			323,366	2,265,743
Massachusetts:							
Total production	4	85,321	32,522	57,120	1,414	214,072	
For sale		21,030	14,743	23,214	92	74,437	862,671
Mississippi:							
Total production	5	46,309				46,309	
For sale		8,760				8,760	88,788
New Jersey:							
Total production	15	82,366	52,081	281,034	113,420	752,185	
For sale		31,232	21,019	232,197	83,900	541,115	4,289,572
New York:							
Total production	6	26,634	4,566	3,198	61,964	136,899	
For sale		6,253	3,164	3,190	48,463	93,018	977,474
North Carolina:							
Total production	11	124,126	6,279			131,975	
For sale		7,109	6,279			14,958	110,451
Ohio:							
Total production	10	31,163	54,805	171,131	94,363	513,359	
For sale		13,887	36,343	150,068	78,857	416,442	3,667,383
Pennsylvania:							
Total production	16	167,918	179,874	112,397	113,793	749,429	
For sale		113,460	173,279	107,277	89,595	637,780	5,624,654
South Carolina:							
Total production	12	169,391	18,318			192,294	
For sale		34,526	7,335			43,695	288,314
Tennessee:							
Total production	6	115,989	356,326	33,500		612,047	
For sale		55,397	293,451	33,500		472,461	2,285,904
Texas:							
Total production	6	61,103	2,812	6,744	99,596	235,084	
For sale			2,812	6,744	99,596	173,981	1,725,546
Virginia:							
Total production	8	98,868	6,400		33,346	160,555	
For sale		2,555	6,400		33,346	64,242	710,820
Wisconsin:							
Total production	3		12,719		17,690	47,568	
For sale			12,719		10,941	36,702	300,552
All other States:							
Total production	18	40,566	214,848	200,632	250,797	1,014,162	
For sale		11,734	165,429	139,928	171,321	703,839	5,599,655

[1] Oleum or fuming, trioxide, 100 per cent acid, etc.

TABLE 6.—GROUP II, NITROGEN AND FIXED-NITROGEN COMPOUNDS,[1] BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

CLASS AND KIND	1925	1923	1921	1919
Total value	$29,659,414	$30,485,909	$21,059,976	$27,153,983
Ammonium group (see Table 7):				
Ammonia, aqua—				
Total production, pounds	102,488,362	67,425,904	[2] 77,036,278	45,467,000
For sale—				
Pounds	66,227,955	38,694,140	[2] 39,084,037	30,918,000
Value	$3,027,474	$2,453,831	[2] $2,795,760	$2,241,321
Ammonia, anhydrous—				
Pounds	31,724,858	23,529,382	[2] 27,637,376	[2] 27,530,000
Value	$6,771,876	$6,414,667	[2] $6,198,671	[2] $7,224,473
Ammonium nitrate—				
Pounds	[3] 3,162,256	(4)	(4)	(4)
Value	$229,349			
Ammonium sulphate—				
Pounds	5,708,984	1,424,448	[2] 6,102,793	[2] 32,873,000
Value	$153,134	$70,455	[2] $165,965	[2] $1,595,447
Other ammonium compounds [5]	$4,886,172	$3,607,585	$3,033,077	$5,486,041
Cyanogen compounds:				
Ferric ferrocyanide (Prussian blue)—				
Number of establishments	26	30	28	14
Pounds	4,971,486	3,915,777	3,686,637	4,684,611
Value	$1,619,509	$1,642,378	$1,116,404	$1,467,665
Sodium ferrocyanide and potassium ferrocyanide and ferricyanide—				
Number of establishments	4	3		
Pounds	12,311,562	8,934,200		
Value	$1,115,012	$1,457,473		
Sodium, copper, zinc, silver, and mercury cyanides,[6] value	$2,071,542	$3,092,305	$3,006,550	$5,647,777
Other cyanides, including sodium thiocyanate	$369,824	$2,532,757		
Hydrocyanic acid	$888,101			
Nitric acid (see also Table 3), value	$3,559,695	$2,741,370	$1,317,918	$2,976,095
Nitrous oxide (see also Table 14), value	$729,534	$730,644	$747,979	$515,164
Nitrogen gas and oxidized nitrogen, not elsewhere specified, value	$3,638,192	$5,692,444	$2,677,652	(7)

[1] Not including alkaloids, coal-tar crudes or intermediates, dyestuffs, pyroxylin, nor explosives.
[2] Includes data for products of the gas industry.
[3] Not including the quantity made and consumed in the "Explosives" industry (see Table 4, p. 764).
[4] Included in "Other ammonium compounds."
[5] Includes, in order of value, phosphates, chlorides, carbonates, molybdate, iodide, etc.
[6] Named in order of importance.
[7] No data.

TABLE 7.—SUMMARY FOR AMMONIA AND AMMONIA COMPOUNDS—COKE, CHEMICALS,[1] AND GAS INDUSTRIES: 1919 TO 1925

	1925	1923	1921	1919
Total value	$43,734,363	$45,566,237	$28,336,643	$44,973,425
Industries:				
Coke	$26,850,266	$31,094,119	$16,143,170	$26,751,694
Chemicals [1]	$15,068,005	$12,546,538	$10,525,622	$16,191,585
Gas	$1,816,092	$1,925,580	$1,667,851	$2,030,146
COKE INDUSTRY				
NH_3 equivalent of sales:				
Pounds	310,744,721	287,681,592	162,492,887	191,019,037
Value	$26,850,266	$31,094,119	$16,143,170	$26,751,694
Number of establishments	61	57	59	56
Ammonium sulphate:				
Total production, pounds	1,013,277,580	915,926,762	528,547,798	544,303,827
Sales—Pounds	986,179,337	884,952,912	529,931,877	567,492,773
Value	$22,464,765	$25,954,413	$13,090,737	$21,058,744
Liquor (NH_3 equivalent):				
Total production, pounds	57,425,326	51,825,389	[2] 27,023,829	[3] 50,535,639
Sales—Pounds	47,128,790	50,986,996	30,009,918	51,646,744
Value	$4,385,501	$5,139,706	$3,052,433	$5,692,950
CHEMICAL INDUSTRIES [1]				
Total value	$15,068,005	$12,546,538	$10,525,622	$16,191,585
Ammonium sulphate:				
Number of establishments	10	7	6	----------
Pounds	5,708,984	1,424,448	2,201,351	27,799,055
Value	$153,134	$70,455	$64,720	$1,390,846
Anhydrous ammonia:				
Number of establishments	16	12	12	17
Pounds	31,724,858	23,529,382	21,127,421	25,884,000
Value	$6,771,876	$6,414,667	$5,708,820	$7,073,877
Aqua ammonia:				
Number of establishments	17	16	18	27
Pounds	66,227,955	38,694,140	27,056,238	30,918,000
Value	$3,027,474	$2,453,831	$1,719,005	$2,241,321
Ammonium nitrate:				
Number of establishments	6			
Pounds	3,162,256			
Value	$229,349	$3,607,585	$3,033,077	$5,486,041
Other forms	$4,886,172			
GAS INDUSTRY				
NH_3 equivalent of forms reported:				
Pounds	24,339,955	22,749,956	(4)	(4)
Value	$1,816,092	$1,925,580	$1,667,851	$2,030,146
Number of establishments	89	102	106	135
Reported as—				
Ammonium sulphate—				
Pounds	13,439,204	8,050,598	3,901,442	5,073,945
Value	$351,235	$278,158	$101,245	$205,101
Ammonia (NH_3)—				
Pounds	20,980,154	[5] 20,737,307	(6)	(6)
Value	$1,464,857	$1,647,422	[6] $1,566,606	[6] $1,825,045

[1] "Chemicals, not elsewhere classified," and "Sulphuric, nitric, and mixed acids."
[2] Includes a small amount of other forms of ammonia products.
[3] Includes an indeterminable quantity of NH_3 reported as anhydrous ammonia.
[4] Not computed.
[5] Represents the ammonia content of the following: Ammonia liquors, 5,039,223 gallons, valued at $376,352; anhydrous ammonia, 182,676 pounds, valued at $17,811; and ammonia reported in terms of NH_3, 14,634,055 pounds, valued at $1,253,259.
[6] Represents the following: For 1921—ammonia liquors, 12,027,799 gallons, valued at $1,076,755; and anhydrous ammonia, 6,509,955 pounds, valued at $489,851; for 1919—ammonia liquors, 23,393,320 gallons, valued at $1,674,449; and anhydrous ammonia, 1,846,024 pounds, valued at $150,596. The ammonia ($NH_3$) content of these products can not be estimated because an indefinite amount of NH_3 is included in other forms. It is probable, however, that a large part of the "anhydrous ammonia" reported was the NH_3 content of liquors.

TABLE 8.—GROUP III, SODIUM COMPOUNDS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Total value	$109,522,017	$111,848,381	$83,698,199	$99,689,828
Inorganic	106,526,071	106,615,843	83,205,458	93,606,570
Organic *	2,995,946	5,232,538	492,741	6,083,258
*Acetate:				
Number of establishments	7	8	6	12
Total production, pounds	859,912	2,471,639	312,323	2,260,459
For sale—Pounds	813,834	905,639	312,323	2,196,113
Value	$47,583	$59,941	$16,132	$165,505
*Benzoate:				
Number of establishments	7			
Tons	804,240			
Value	$372,286	(1)	(1)	(1)
Biborate (borax):				
Number of establishments	7	6	6	8
Tons	49,967	53,092	18,499	29,635
Value	$4,083,209	$5,102,148	$2,745,192	$4,622,286
Bichromate and chromate:				
Number of establishments	5	5	9	5
Tons	27,820	26,879	18,169	22,992
Value	$3,526,568	$3,994,566	$3,823,465	$5,337,389
Carbonates:				
Bicarbonate, refined—				
Number of establishments	6	7	6	10
Total production, tons	146,854	188,717	129,331	190,894
For sale—Tons	123,472	145,316	100,726	141,556
Value	$3,651,848	$3,738,129	$2,635,022	$3,695,417
Sal soda—				
Number of establishments	29	26	31	41
Tons	63,619	68,802	69,342	82,992
Value	$1,332,071	$1,690,084	$2,174,689	$2,272,770
Soda ash—				
Number of establishments	12	14	19	18
Total production, tons	1,907,791	1,707,987	959,593	1,507,424
For sale—Tons	1,368,660	1,258,780	776,328	1,033,480
Value	$32,243,941	$32,427,166	$29,347,426	$31,195,149
Production by processes—				
Ammonia-soda—				
Number of establishments	6	6	8	(1)
Total production, tons	1,850,013	1,674,234	929,448	
For sale—Tons	1,310,882	1,225,027	746,183	
Value	$30,914,558	$31,413,210	$28,316,435	
Natural and electrolytic soda—				
Number of establishments	6	8	11	
Tons	57,778	33,753	30,145	
Value	$1,329,383	$1,013,956	$1,030,991	
Modified sodas—				
Number of establishments	5	12	(1)	(1)
Tons	47,452	47,669		
Value	$1,550,772	$1,342,182		
Caustic:				
Hydroxide—				
Number of establishments	22	23	35	22
Total production, tons [2]	497,261	436,619	238,591	312,736
For sale—Tons	487,145	430,961	230,896	302,121
Value	$27,392,352	$25,056,547	$16,628,400	$18,691,047
Production by processes—				
Lime-soda—				
Number of establishments	6	6		(1)
Tons	355,783	314,195	163,044	
Electrolytic—				
Number of establishments	16	17		
Tons	141,478	122,424	75,547	
Repacked caustic (purchased in bulk)—				
Number of establishments	12	12	10	10
Tons	26,687	32,828	33,228	20,625
Value	$4,414,836	$5,034,336	$5,304,583	$2,101,648

See footnotes at end of table

TABLE 8.—GROUP III, SODIUM COMPOUNDS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
*Citrate:				
Number of establishments	6	7	7	6
Pounds	553,181	423,511	112,659	118,417
Value	$249,537	$273,595	$73,965	$143,386
Fluoride:				
Number of establishments	3	(1)	(1)	(1)
Tons	1,252			
Value	$216,558			
Hypochlorite:				
Number of establishments	7	8	6	(1)
Tons	15,302	10,939	4,025	
Value	$1,877,257	$758,745	$324,002	
Iodide:				
Number of establishments	7	8	7	7
Pounds	49,531	45,450	26,138	29,284
Value	$194,803	$189,739	$88,295	$103,808
Nitrate, refined:				
Number of establishments	5	4	(1)	(1)
Tons	3,127	10,675		
Value	$221,551	$870,698		
Phosphates:				
Number of establishments	13	14	13	10
Tribasic—				
Tons	48,783	26,224	26,214	22,351
Value	$3,288,101	$1,955,632	$3,052,952	$2,438,917
Monobasic, dibasic, and not specified—				
Tons	30,561	10,375		
Value	$2,467,387	$1,215,922		
Silicate (basis 40°, for 1925, 1923, and 1921):				
Number of establishments	23	21	21	21
Tons	394,884	331,309	221,550	286,791
Value	$5,717,426	$5,066,719	$4,641,754	$6,052,318
Silicofluoride:				
Number of establishments	8	10	(1)	(1)
Tons	1,384	2,481		
Value	$128,025	$302,758		
Sulphates:				
Niter cake (bisulphate)—				
Number of establishments	42	45	38	38
Total production, tons	124,296	154,087	55,578	97,836
For sale—Tons	101,596	129,447	48,965	81,170
Value	$400,598	$587,897	$274,161	$281,476
Salt cake—				
Number of establishments	38	34	30	34
Total production, tons	189,293	187,064	131,701	179,003
For sale—Tons	140,843	141,017	95,995	122,908
Value	$2,339,002	$2,972,013	$2,046,314	$1,930,139
Glauber's salt—				
Number of establishments	22	21	21	27
Total production, tons	62,731	72,132	60,162	42,206
For sale—Tons	57,622	66,192	52,041	38,330
Value	$1,265,260	$1,521,095	$1,288,987	$864,264
Refined anhydrous—				
Number of eatsblishments	5	6	4	6
Tons	2,100	3,183	2,019	2,708
Value	$128,115	$267,518	$153,954	$221,232
Hyposulphite (thiosulphate)—				
Number of establishments	12	11	10	9
Tons	23,982	22,538	17,826	29,678
Value	$1,051,068	$1,124,351	$1,202,870	$1,541,087
Sulphide:				
Number of establishments	15	19	14	17
Total production, tons	29,169	38,148	24,682	39,735
For sale—Tons	23,765	31,838	22,682	35,178
Value	$1,203,332	$2,209,499	$1,740,153	$2,316,253

See footnotes at end of table

TABLE 8.—GROUP III, SODIUM COMPOUNDS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Sulphites:				
Sulphite (normal)—				
Number of establishments	7	4	7	8
Tons	4,492	4,382	3,442	7,209
Value	$382,728	$370,601	$328,876	$539,636
Bisulphite—				
Number of establishments	10	10	15	
Total production, tons	13,703	16,213	15,175	
For sale—Tons	12,437	14,500	13,278	
Value	$609,163	$677,882	$1,116,381	(1)
Reported liquid, 33-35°, tons	6,538	8,674		
Reported dry, tons	5,904	5,826		
Hydrosulphites—				
Number of establishments	4	4		
Total production, tons	5,113	5,308		
For sale—Tons	5,045	4,328		
Value	$2,110,853	$2,230,673	(1)	
Tungstate—				
Number of establishments	8			
Pounds	271,327			
Value	$158,543	(1)	(1)	(1)
Other inorganic sodium compounds,[4] value	$4,570,704	$5,908,943	$4,288,482	$9,401,674
*Other organic sodium compounds,[5] value	$2,326,540	$4,899,002	$402,644	$5,774,367

* Organic.
[1] Included in "Other inorganic sodium compounds."
[2] Not including caustic soda made and consumed in the paper and wood-pulp, and textile industries but including caustic sticks and a small quantity, with a high unit value, packed in cases.
[3] Includes some packed in small containers.
[4] Arsenate, bromide, chlorate, chloride (refined), reclaimed caustic, nitrite, peroxide, etc.
[5] Cyanide, glycerophosphate, salicylate, etc.

TABLE 9.—GROUP IV, POTASSIUM COMPOUNDS, BY KIND, QUANTITY, AND VALUE 1919 TO 1925

[Ton, 2,000 pounds]

KIND	1925	1923	1921	1919
Total value	$6,071,146	$6,318,822	$4,934,749	$18,407,253
Bitartrate (cream of tartar):				
Number of establishments	5	4	7	6
Pounds	7,072,651	5,971,186	5,778,731	4,854,550
Value	$1,472,082	$1,746,363	$1,630,150	$2,620,351
Iodide:				
Number of establishments	7	9	7	7
Pounds	494,935	438,692	207,715	388,678
Value	$1,821,259	$1,623,100	$888,555	$1,298,980
Acetate:				
Number of establishments	4	6	5	6
Pounds	81,043	68,830	43,096	69,995
Value	$19,220	$20,697	$21,400	$47,473
Citrate:				
Number of establishments	7	7	6	6
Pounds	147,399	111,334	51,486	64,088
Value	$83,540	$72,185	$47,054	$100,754
Other, inorganic [1]	$2,345,849	$2,684,808	$2,141,958	$13,483,388
Other, organic [2]	$329,196	$171,669	$205,632	$856,307
Potash from original sources (reported by the Bureau of Mines):				
Number of plants	9	12	20	102
Crude potassium salts, tons	51,565	39,029	25,485	116,634
Content of K_2O, tons	25,448	20,215	10,171	32,474

[1] Bichromate, carbonate, chlorate, hydroxide, perchlorate, permanganate, etc.
[2] Glycerophosphates, Rochelle salts, tartar emetic, etc.

TABLE 10.—GROUP V, ALUMS AND OTHER ALUMINUM COMPOUNDS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Ton, 2,000 pounds]

KIND	1925	1923	1921	1919
Total value	$11,581,290	$11,066,611	[1] $23,243,824	[1] $43,438,482
Alums, value	$8,735,844	$7,445,378	$6,632,558	$17,055,891
Aluminum sulphate (concentrated alum)—				
Number of establishments	23	21	20	19
Tons	284,298	234,116	155,187	312,759
Value	$7,396,922	$6,519,350	$5,758,128	$15,665,526
Ammonia alum—				
Number of establishments	7			
Tons	5,039			
Value	$330,339			
Soda alum—				
Number of establishments	5			
Tons	16,718			
Value	$933,478	12	12	
Potash alum—		14,978	14,821	19,512
Number of establishments	3	$926,028	$874,430	$1,390,365
Tons	517			
Value	$40,853			
Chrome alum—				
Number of establishments	4			
Tons	324			
Value	$34,252			
Aluminous abrasives:				
Number of establishments	4	4	3	3
Tons	16,410	20,356	9,184	11,306
Value	$1,789,251	$2,125,703	$902,881	$2,032,588
Aluminum chloride:				
Number of establishments	6	8	8	7
Tons	3,554	4,706	4,351	4,265
Value	$203,205	$312,921	$406,700	$362,445
Aluminum hydrate:				
Number of establishments	4			
Tons	2,890			
Value	$271,453			
Aluminum stearate:				
Number of establishments	3	$1,182,609	[1] $15,301,685	[1] $23,982,558
Tons	385			
Value	$165,473			
Other aluminum compounds [2]	$416,064			

[1] Includes value of aluminum metal, refined cryolite, calcined bauxite, etc. Data not comparable with those for 1925 and 1923.
[2] Aluminum acetate, oleate, resinate, etc.

TABLE 11.—GROUP VI, BLEACHING COMPOUNDS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Total value	$17,164,975	$16,729,233	$13,900,353	$12,392,806
Chlorine bleaches:				
Chlorine [1]—				
Number of establishments	14	12	13	14
Total production, pounds	166,325,643	125,361,020	75,969,228	91,141,000
For sale—Pounds	104,960,186	76,118,240	57,222,603	34,392,000
New York	71,520,183	62,310,788	29,236,600	20,195,000
Other States	33,440,003	13,807,452	27,986,003	14,197,000
Value	$4,236,307	$2,778,088	$3,188,750	$1,425,917
Hypochlorites—				
Calcium hypochlorite—				
Number of establishments	17	16	16	
Tons	115,438	146,975	82,577	
New York	50,527	72,760	59,525	
Other States	64,911	74,215	23,052	16
Value	$3,964,604	$5,192,385	$4,296,101	126,425
Sodium hypochlorite—				$4,781,350
Number of establishments	7	8	6	
Tons	[2] 15,392	10,939	4,025	
Value	$1,877,257	$758,745	$324,002	
Peroxide bleaches:				
Hydrogen peroxide—				
Number of establishments	10	12	11	11
Pounds	27,160,730	25,006,182	27,296,000	31,515,000
Value	$1,880,943	$1,703,451	$2,157,619	$2,257,282
Other—				
Number of establishments	5	6	4	(3)
Pounds	7,534,890	7,416,100	5,245,194	(3)
Value	$1,461,200	$1,601,292	$1,133,521	$1,181,528
Sulphur bleaches:				
Bisulphites of calcium and sodium—				
Number of establishments	11	14	17	14
Tons	12,599	19,029	12,336	19,613
Value	$612,908	$1,056,110	$978,657	$961,284
Sulphur dioxide—				
Number of establishments	4	4	4	3
Pounds	8,861,341	6,575,995	1,837,819	856,000
Value	$635,738	$414,049	$168,356	$99,896
Other sulphur bleaches—sulphurous acid, sulphydrates, etc., value	$2,496,018	$3,165,113	$1,653,347	$1,685,549

[1] Not including chlorine made and consumed in the paper and wood-pulp industry.
[2] Includes some in small containers.
[3] No data.

TABLE 12.—GROUP VII, COAL-TAR PRODUCTS—VALUE, BY CLASS: 1919 TO 1925 [1]

CLASS	1925	1923	1921	1919
Total	$112,201,348	$121,893,211	$75,018,521	$133,499,742
Crudes [2]	25,403,177	38,296,898	21,633,369	21,148,814
Intermediates	25,324,456	23,279,761	8,998,070	28,239,995
Dyes and other finished products	61,473,715	60,316,552	45,287,082	84,110,933

[1] For detailed statistics of production and sales of coal-tar products, see Census of Dyes and Other Synthetic Organic Chemicals, 1925, Tariff Information Series No. 34, United States Tariff Commission.
[2] Does not include by-product crudes of by-product coke plants and gas works.

TABLE 13.—GROUP VIII, PLASTICS AND PYROXYLIN SOLUTIONS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Data for rayon are included for 1923 and earlier years but not for 1925. See "Rayon," p. 825]

KIND	1925	1923	1921	1919
Value of plastic products [1]	[2] $48,731,957	$102,229,807	$58,836,711	$77,477,041
Pyroxylin, including collodion:				
Number of establishments	21	20	19	14
Total value	$38,861,945	$33,458,361	$16,036,002	$34,536,570
Plastics—				
Number of establishments	8	8		
Production, pounds	17,859,469	27,651,910		
For sale, in form for further manufacture—				
Pounds	13,703,156	23,980,116		
Value	$13,720,802	$17,682,049		
Made and consumed in the same establishments, pounds	4,156,313	3,671,794		
Solutions (not including production by paint and varnish factories)—				
Number of establishments	12	13		
Production—			21,678,285	33,914,377
Quantity reported in—			$13,966,108	$24,666,175
Pounds	40,370,109	20,937,584		
Gallons	2,458,814	(3)		
For sale—				
Pounds	33,302,300	17,795,670		
Gallons	2,444,304	(3)		
Value	$14,156,889	$4,476,774		
Made and consumed in the same establishments—				
Pounds	7,067,809	3,141,914		
Gallons	14,510	(3)		
Finished articles of pyroxylin made in the producing establishments, value [4]	$10,984,254	$11,299,538	$2,069,894	$9,870,395
Other plastics (phenolic resins, rubber substitutes, casein plastics, etc.), value	$9,870,012	$9,720,061	$42,800,709	$42,940,471
Rayon [5]	$88,007,873	$59,051,385		

[1] Not including photographic films of cellulose nitrate or cellulose acetate (for motion pictures, etc.).
[2] See headnote, and footnote 5.
[3] Converted to pound basis.
[4] Toys, novelties, fancy articles, handles for cutlery and umbrellas, etc.
[5] The manufacture of rayon (artificial silk, visca, cellophane, etc.) was treated as a separate industry at the census for 1925. (See p. 825.)

TABLE 14.—GROUP IX, COMPRESSED AND LIQUEFIED GASES, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

KIND	1925	1923	1921	1919
Total value	$55,532,016	$53,384,029	$40,420,835	$43,263,918
Acetylene:				
Number of establishments	69	58	49	49
M cubic feet	525,746	522,349	290,854	311,390
Value	$13,514,964	$13,080,232	$7,504,325	$7,140,757
Ammonia, anhydrous (see also Table 6), value	$6,771,876	$6,414,667	$6,198,671	$7,224,473
Carbon dioxide (carbonic acid) (see also Table 3), value	$5,128,441	$4,992,373	$6,374,619	$6,574,250
Chlorine (see also Table 11), value	$4,236,307	$2,778,088	$3,188,750	$1,425,017
Hydrogen:				
Number of establishments	48	51	46	40
M cubic feet	150,502	103,818	99,104	137,082
Value	$876,976	$695,476	$639,553	$851,397
Oxygen:				
Number of establishments	141	121	94	94
M cubic feet	2,073,826	2,057,526	1,059,825	1,173,414
Liquefaction process	1,705,092	1,677,746	923,365	1,041,937
Electrolytic process	368,734	379,780	136,460	131,477
Value	$22,577,110	$23,382,236	$13,964,952	$16,577,389
Nitrous oxide (laughing gas):				
Number of establishments	10	12	8	8
Thousands of gallons [1]	54,882	45,297	42,016	25,740
Value	$729,534	$730,644	$747,979	$515,164
Sulphur dioxide (see also Table 11), value	$638,175	$414,049	$168,356	$99,896
Hydrocarbon gases (other than acetylene):				
Number of establishments	13	12		
M cubic feet	83,513	70,234		
Value	$882,815	$735,988	$1,633,630	$2,854,675
Other gases,[2] value	$176,418	$160,276		

[1] Equivalents in cubic feet: 1925, 7,278,780; 1923, 6,055,300; 1921, 5,602,200; 1919, 3,430,000.
[2] Argon, nitrogen, ozone, and miscellaneous.

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Total value	$205,364,186	$202,595,795	$108,230,098	$156,672,155
Inorganic	135,388,353	149,304,526	63,568,998	84,530,613
Organic *	69,975,833	53,291,269	44,661,100	72,141,542
*Alcohols:[1]				
Amyl alcohol, including fusel oil—				
Number of establishments	20	16	10	5
Total production, gallons	325,178	161,824	194,824	241,254
For sale—Gallons	293,921	85,591	112,384	141,535
Value	$639,547	$315,355	$300,845	$497,906
Other (not including glycerol; see "Glycerin")—butyl, propyl, etc., value	$6,479,559	$2,788,185	$806,178	$553,234
*Amyl acetate:				
Number of establishments	12	10	7	8
Total production, gallons	168,251	440,976	88,688	125,692
For sale—Gallons	137,483	249,893	65,354	96,103
Value	$414,860	$996,267	$149,786	$350,573
Antimony:				
Chloride—				
Number of establishments	4			
Pounds	139,111	(2)	(2)	(2)
Value	$20,324			
Sulphide—				
Number of establishments	5	6	8	5
Pounds	1,297,791	2,415,876	1,183,995	2,983,378
Value	$367,448	$720,901	$362,172	$808,433
Other salts and compounds, value	$83,968	$213,949	$104,225	$381,594

See footnotes at end of table

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Arsenic:				
Oxides—				
Number of establishments	10	10	7	6
Total production, pounds	30,653,261	33,015,107	11,046,404	2,622,389
For sale—Pounds	22,877,165	29,393,747	9,399,791	1,076,000
Value	$781,328	$2,607,829	$556,259	$108,233
Arsenate of calcium—				
Number of establishments	8	9	7	5
Pounds	15,199,387	13,261,233	2,419,684	1,191,868
Value	$1,074,960	$1,703,119	$362,697	$248,459
Arsenate of lead—				
Number of establishments	13	9	11	12
Pounds	11,938,032	10,755,137	9,229,701	11,465,788
Value	$1,777,552	$2,229,431	$1,629,446	$2,090,341
Other—Sodium arsenate, Bordeaux mixture, etc., value	$113,945	$826,467	$132,834	$1,042,334
Barium:				
Sulphate, precipitated ("blanc fixé")—				
Number of establishments	13	15	11	10
Total production, pounds	26,089,696	21,661,123	----------	----------
For sale—Pounds	17,491,557	10,572,723	7,375,733	13,635,789
Value	$621,807	$351,819	$242,119	$256,109
Carbonate—				
Number of establishments	4	4		
Pounds	10,815,491	13,979,766		
Value	$300,468	$484,138		
Chloride—			$541,760	$1,427,403
Number of establishments	4	6		
Pounds	7,923,187	7,294,361		
Value	$253,357	$302,815		
Other—Dioxide, sulphide, etc., value	$322,428	$216,484		
Bismuth:				
Subnitrate—				
Number of establishments	5	7	5	7
Pounds	220,052	255,027	222,412	279,786
Value	$548,352	$694,966	$446,357	$811,487
Subcarbonate—				
Number of establishments	6	6		
Pounds	97,712	53,619		
Value	$304,393	$172,077		
Subgallate—				
Number of establishments	6	5		
Pounds	28,808	15,538	$336,204	$424,015
Value	$69,994	$42,034		
Subsalicylate—				
Number of establishments	4			
Pounds	11,313	$600,200		
Value	$30,194			
Other—Nitrate, oxychloride, etc., value	$262,711			
Bromine, liquid:[3]				
Number of establishments	4	7	7	5
Pounds	133,165	273,426	191,114	211,555
Value	$48,231	$48,952	$28,810	$92,047
*Butyl acetate:				
Number of establishments	11	8		
Total production, gallons	2,078,926	252,706	(4)	(4)
For sale—Gallons	870,463	64,608		
Value	$1,577,503	$193,411		
Cadmium iodide, chloride, etc., value	$16,950	$114,407	(5)	(5)
Calcium:				
Acetate—				
Number of establishments	63	73	63	86
Tons	72,520	72,294	27,725	76,955
Value	$3,433,384	$4,823,403	$737,018	$2,682,232
Arsenate (see "Arsenic")				
Carbide—				
Number of establishments	7	6		
Tons	127,600	118,702	(4)	(4)
Value	$6,599,378	$8,818,221		
Chloride—				
Number of establishments	16	13	19	15
Tons	170,773	90,750	79,014	74,699
Value	$3,717,456	$2,038,632	$2,027,385	$1,043,301

See footnotes at end of table

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Calcium—Continued.				
Phosphates—				
Monobasic—				
Number of establishments	9			
Tons	34,725	14	13	7
Value	$4,298,152	38,751	23,150	22,135
Dibasic and tribasic—		$4,393,119	$4,123,459	$4,727,364
Number of establishments	4			
Tons	1,039			
Value	$154,563			
Hypochlorite—				
Number of establishments	17	16	16	
Tons	115,438	146,975	82,577	
Value	$3,964,604	$5,192,385	$4,296,101	
Satin white (calcium sulphate and alumina)—				$15,609,157
Number of establishments	5			
Tons	14,411			
Value	$444,700	$1,120,108	$8,176,236	
Other salts and compounds, value	$447,956			
*Carbon bisulphide:				
Number of establishments	6	7	7	8
Total production, pounds	46,246,675	30,559,033	22,740,969	15,469,567
For sale—Pounds	39,874,700	25,200,967	14,942,443	11,606,193
Value	$1,938,894	$1,337,024	$795,911	$640,346
*Carbon tetrachloride:				
Number of establishments	4	4		5
Pounds	16,059,956	11,745,972	(1)	9,811,779
Value	$978,068	$956,590		$803,648
*Chloroform:				
Number of establishments	4	4	4	6
Pounds	1,582,402	1,805,083	944,303	1,677,641
Value	$379,221	$478,524	$289,340	$516,625
Chromium compounds, other than of sodium and potassium, value	$175,027	$484,484	$520,308	$610,933
Cobalt compounds and salts, value	$413,472	$1,710,142	$720,576	$217,689
Copper:				
Sulphate (blue vitriol)—				
Number of establishments	12	10	11	14
Pounds	32,296,583	32,304,421	27,221,704	35,287,881
Value	$1,683,788	$1,777,663	$1,767,695	$3,164,611
Carbonate—				
Number of establishments	5	5		
Pounds	263,994	386,740		
Value	$44,888	$76,700	$164,218	$667,767
Other—Cyanides, chloride, nitrate, oleate, etc.—value	$366,411	$368,082		
*Ethyl acetate:				
Number of establishments	12	9	7	7
Total production, gallons	4,021,653	3,091,024	1,016,677	770,739
For sale—Gallons	2,907,212	2,529,788	520,385	354,393
Value	$2,406,517	$2,193,039	$317,966	$340,011
*Ethyl chloride:				
Number of establishments	8	7	8	6
Pounds	1,130,936	622,250	279,400	248,103
Value	$281,219	$161,167	$127,062	$166,235
*Ethyl ether:				
Number of establishments	9	8	9	13
Total production, pounds	5,662,365	5,220,663	3,763,725	4,808,033
For sale—Pounds	5,389,589	4,935,475	3,416,525	4,133,575
Value	$1,461,557	$619,860	$921,169	$1,126,246
*Ethyl nitrite:				
Number of establishments	4	4	5	5
Pounds	96,546	43,649	59,431	43,153
Value	$38,361	$34,919	$31,815	$30,856
*Formaldehyde:				
Number of establishments	6	8	5	6
Total production, pounds	29,963,927	27,192,431	9,657,409	25,006,815
For sale—Pounds	21,972,180	20,213,873	6,056,483	19,663,753
Value	$1,891,134	$2,604,061	$651,681	$3,938,322
Gold chloride and other gold salts, value	$546,161	$535,378	$550,579	$143,069

See footnotes at end of table

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
*Glycerin:				
Crude [6]—				
Number of establishments	75	73	79	91
Pounds	30,734,804	27,444,065	21,856,035	21,402,735
Value	$4,258,351	$3,124,470	$2,085,589	$2,961,583
Refined—				
Number of establishments	24	24	31	31
Total production, pounds	97,354,898	76,049,552	68,843,696	69,464,298
For sale—Pounds	94,302,850	74,104,854	59,861,428	67,342,822
Value	$16,991,213	$12,214,012	$9,514,272	$20,724,063
*Hexamethylenetetramine:				
Number of establishments	4	(4)	(4)	(4)
Total production, pounds	1,657,993			
For sale—Pounds	1,454,124			
Value	$1,067,747			
*Hydrocarbons, including acetylene (see also Table 14), value	$14,397,779	$13,913,718	$8,280,407	$8,060,541
Iodine, resublimed:				
Number of establishments	8	8	(4)	(4)
Pounds	79,872	97,070		
Value	$372,988	$440,487		
*Iodoform:				
Number of establishments	3	(4)	(4)	(4)
Pounds	13,503			
Value	$71,038			
Iron:				
Chloride (crystals and solutions)—				
Number of establishments	8	8	8	9
Pounds	2,983,960	2,104,000	1,475,259	1,894,982
Value	$177,878	$143,637	$128,139	$136,431
Sulphate (copperas)—				
Number of establishments	34	32	21	32
For sale, tons	52,994	70,552	[7] 28,941	59,383
Made in rolling and wire-drawing mills	33,750	45,418	[7] 20,481	46,485
Other	19,244	25,134	8,460	12,898
Value	$602,585	$1,275,045	[7] $515,120	$993,939
Ferro-alloys (electric-furnace)—				
Number of establishments	19	23	20	
Tons	[8] 150,141	215,424	48,513	
Value	[8] $15,255,491	$20,899,085	$8,835,356	
Iron-ammonium citrate—				
Number of establishments	3	3		$10,511,159
Pounds	136,269	52,464		
Value	$80,306	$42,149		
Nitrate—			$765,276	
Number of establishments	8	7		
Pounds	1,583,984	3,052,000		
Value	$40,924	$74,030		
Other salts and compounds, value	$1,207,542	$1,107,452		
Lead:				
Acetate—				
Number of establishments	7	9	9	9
Total production, pounds	6,864,499	5,506,012	2,815,568	5,131,133
For sale—Pounds	2,501,021	1,232,637	744,000	4,183,621
Value	$359,686	$160,133	$90,305	$552,435
Arsenate (see "Arsenic").				
Other (not including lead pigments), value	$192,995	$388,868	$120,327	$335,908
Magnesium:				
Oxide—				
Number of establishments	5	5	5	6
Pounds	11,086,480	13,193,112	2,648,678	9,031,650
Value	$640,836	$707,975	$141,340	$1,176,858
Sulphate (Epsom salt)—				
Number of establishments	11	12	12	20
Tons	23,428	20,676	14,923	29,348
Value	$1,219,177	$851,103	$753,822	$1,497,077
Chloride—				
Number of establishments	6	5		7
Total production, pounds	60,351,961	----------		----------
For sale—Pounds	58,566,743	51,303,600	$1,304,125	26,232,436
Value	$898,678	$815,398		$445,087
Other salts and compounds, value	$1,091,817	$699,790		$447,355
Manganese salts and compounds, value	$326,372	$201,367	$142,886	$99,395

See footnotes at end of table

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

[Ton, 2,000 pounds]

CLASS AND KIND	1925	1923	1921	1919
Mercury:				
Chloride, mercuric (corrosive sublimate)—				
Number of establishments	6	5	5	4
Total production, pounds	360,480	----------	----------	----------
For sale—Pounds	341,834	305,905	239,340	437,015
Value	$369,341	$291,686	$179,008	$648,774
Chloride, mercurous (calomel)—				
Number of establishments	3	4	3	3
Pounds	102,341	127,054	106,209	256,388
Value	$136,003	$153,571	$97,717	$414,388
Oxide—				
Number of establishments	5	4		
Total production, pounds	122,221	----------		
For sale—Pounds	108,297	50,408		
Value	$150,249	$68,021		
Ammoniated—				
Number of establishments	3		$221,080	$711,856
Pounds	50,467			
Value	$80,750			
Iodide—				
Number of establishments	4			
Pounds	4,625	$247,160		
Value	$17,137			
Nitrate—				
Number of establishments	4			
Pounds	406,625			
Value	$56,370			
Other salts and compounds, value	$159,285			
*Methyl acetone:				
Number of establishments	5	5	----------	6
Pounds	3,644,302	6,602,336	----------	1,158,032
Value	$457,589	$930,468	(4)	$167,734
Nickel salts and compounds, value	$873,273	$786,171	$424,779	$641,645
Phosphorus and phosphorus compounds, value	$829,420	$786,723	(5)	(5)
Silver:				
Nitrate—				
Number of establishments	8	5	7	7
Ounces	4,338,549	3,438,464	2,579,122	3,017,889
Value	$2,022,956	$1,508,785	$1,229,060	$2,184,051
Other salts and compounds, value	$150,372	$179,858	$88,121	$267,722
Strontium salts and compounds, value	$202,058	$309,967	(5)	(5)
Sulphur:				
Refined—				
Number of establishments	8	11	10	9
Tons	47,220	61,424	29,382	52,099
Value	$2,121,092	$2,765,133	$1,599,561	$2,712,944
Chloride, yellow and red—				
Pounds	4,972,591	1,188,991		
Value	$132,781	$46,664		
Sulphur-lime—				
Dry—Tons	2,518	3,599	$93,132	$140,014
Value	$377,184	$408,964		
Solution—Gallons	2,607,064	2,472,284		
Value	$363,191	$369,194		
Tin:				
Chloride, stannic—				
Number of establishments	4	3		
Pounds	11,947,001	6,382,671		
Value	$3,591,285	$1,431,538	6	4
Chloride, stannous—			7,335,044	8,999,416
Number of establishments	4	4	$1,231,856	$2,987,235
Pounds	652,258	1,003,959		
Value	$240,272	$264,916		
Oxide—				
Number of establishments	4	4	5	4
Pounds	4,788,334	4,126,019	1,181,819	1,352,345
Value	$2,904,882	$1,893,446	$621,706	$899,525
Other salts and compounds, value	$46,982	$60,654	9 $318,869	(5)
*Vanillin:				
Number of establishments	4	4	4	4
Pounds	215,012	227,997	191,236	134,087
Value	$1,133,926	$1,326,935	$1,493,436	$1,365,941

See footnotes at end of table

TABLE 15.—GROUP X, MISCELLANEOUS CHEMICALS, BY KIND, QUANTITY, AND VALUE: 1919 TO 1925—Continued

CLASS AND KIND	1925	1923	1921	1919
Zinc:				
Chloride—				
Number of establishments	14	10	14	10
Pounds	58,946,074	64,575,076	75,291,448	74,089,063
Value	$1,992,768	$1,996,950	$3,634,282	$4,349,096
Sulphate—				
Number of establishments	10	13	6	12
Total production, pounds	13,575,278			
For sale—Pounds	13,481,646	12,807,971	6,855,196	7,325,544
Value	$376,801	$347,877	$304,095	$267,001
Stearate—				
Number of establishments	6	5		
Pounds	786,771	453,186	$449,800	$833,613
Value	$169,051	$107,319		
Other salts and compounds, value	$420,944	$410,913		
Other elements, compounds, and salts				
Inorganic:				
Rare-metal salts and compounds of radium, cerium, thorium, titanium, tungsten, uranium, etc. (in order of value)	$396,200	[10] $1,678,612		
Metals and alloys, including aluminum, magnesium, bismuth, tungsten, cadmium, molybdenum, etc., value	$39,601,265		$12,451,809	$14,730,538
Other compounds, salts, etc., including bauxite and cryolite, concentrated and refined, carbon electrodes, silicon carbide and abrasives, decolorizing carbon, etc., value	$21,850,816	$62,655,974		
*Organic: [11]				
Miscellaneous organic chemicals, including nitrocellulose, acetone, formaldehyde, hydrosulphite, etc., value	$13,111,750	$9,103,264	$18,895,643	$29,897,708

*Organic.

[1] Not including ethyl alcohol, the product of distilleries, nor methanol (wood alcohol). For methanol statistics, see report on Wood Distillation and Charcoal Manufacture.

[2] Included with other antimony salts and compounds.

[3] Bromine sold by producers in the United States as reported by the Bureau of Mines, 1925, was 1,566,130 pounds, value, $488,406; 1923, 842,352 pounds, $146,171.

[4] Included with other organic compounds.

[5] Included with other inorganic compounds.

[6] Production for sale by chemical and soap-manufacturing establishments only. Total production of crude glycerin, 80 per cent basis (Quarterly Census of Animal and Vegetable Fats and Oils): 1925, 103,406,943 pounds; 1923, 99,578,781 pounds.

[7] Data for production of copperas by rolling mills, 8,943 short tons, valued at $100,925, not included. The inclusion of this production would make a total of 37,884 tons valued at $616,054.

[8] For total production of ferro-alloys in all industries, see report on Iron and Steel. The electric-furnace product, 1925, comprises—

	Ton (2,000 pounds)	Value
Ferrosilicon, including silvery iron	120,330	$6,364,889
Ferrophosphorus and ferrovanadium	7,489	3,952,492
Ferrochrome and ferrotungsten	19,078	3,931,111
Ferromolybdenum, titanium, and ferro-alloys not designated	3,244	1,006,999
Total	150,141	15,255,491

[9] Includes the value of a quantity of pig tin.

[10] Includes value of metals.

[11] For detailed statistics of production and sales of synthetic organic chemicals, see report of U. S. Tariff Commission, Tariff Information Series No. 34, 1925.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES

[Names of products for which separate statistics are shown are printed in **bold-faced type**]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
15	738	Acetaldehyde, 2, N. J.
15	738	Acetin, 2, N. J.
15	738	Acetone, 6: Ill., Ind., Md., Mich., Mo., Pa., 1 each.
15	738	Acetone oil, 2: Mich., 1; Pa., 1.
14	733	**Acetylene**, 69: Calif., 7; Ohio, 6; Ill., 4; Ind., 4; Mass., 4; Iowa, 3; Minn., 3; N. J., 3; Tex., 3; Va., 3; Wash., 3; Ga., 2; Kans., 2; La., 2; Md., 2; Mich., 2; Mo., 2; N. Y., 2; Pa., 2; Wis., 2; Ala., Colo., Conn., Nebr., Okla., R. I., S. Dak., Utah, 1 each.
		Acids—
3	720	**Acetic**, 16: N. J., 4; Mich., 3; Md., 2; Mass., 2; Pa., 2; Ill., 1; Ind., 1; N. Y., 1.
[1] 3	722	**Acetyl salicylic (aspirin)**, 4:[2] Mich., Mo., N. J., N. Y., 1 each.
	722	**p-Aminobenzoic**, 3:[2] N. J., 1; W. Va., 1; not specified, 1.
[1] 3	722	Anthranilic (o-aminobenzoic), 2:[2] Mich., 1; Mo., 1.
[1] 3	722	**Benzoic**, 7:[2] N. J., 3; N. Y., 2; W. Va., 1; not specified, 1.
3	720	**Boric**, 4: Calif., 2; N. J., 1; Pa., 1.
3	722	n-Butyric, 2: N. Y., 1; Wis., 1.
[1] 3	722	d-Camphoric, 1,[2] Mo.
[1] 3	722	**Carbolic (phenol)**, 7:[2] Mich., Mo., N. J., Ohio, Pa., W. Va., 1 each; not specified, 1
3	720	**Carbonic (carbon dioxide)**, 44: Calif., 5; Ill., 5; N. Y., 4; Mass., 3; Ohio, 3; Pa., 3; Tex., 3; Ga., 2; Mo., 2; N. J., 2; Tenn., 2; Ala., Colo., Ind., Ky., La., Mich., Minn., N. C., Va., Wash., 1 each.
3	722	Chromic, 3: Mo., N. J., Pa., 1 each.
[1] 3	722	**Cinchopen (phenyl cinchoninic acid)**, 6:[2] N. J., 3; Ill., 1; Ind., 1; not specified, 1.
[1] 3	722	**Cinnamic**, 5:[2] N. J., 2; N. Y., 1; Ohio, 1; not specified, 1.
3	720	**Citric**, 6: Calif., 3; N. J., 1; N. Y., 1; Pa., 1.
[1] 3	722	Cresylic, 1,[2] Minn.
[1] 3	722	**Diethylbarbituric (barbital)**, 4:[2] N. Y., 2; Ill., 1; Mo., 1.
[1] 3	722	**Gallic**, 3:[2] N. Y., 2; Mo., 1.
[1] 3	722	Glycerophosphoric, 2:[2] Mo., 1; N. J., 1.
3	722	Hydriodic, 2: Mo., 1; Pa., 1.
3	722	Hydrobromic, 1, Mo.
3	720	**Hydrochloric**, 38: N. J., 5; N. Y., 5; Calif., 4; Pa., 4; Ill., 3; Ohio, 3; Conn., 2; Mass., 2; Mich., 3; Ark., Colo., Del., Ind., Kans., La., Tex., 1 each.
3, 6	720, 725	**Hydrocyanic**, 7: Calif., 3; N. J., 2; Mo., 1; Pa., 1.
3	721	**Hydrofluoric**, 3: Pa., 2; Conn., Del., Ind., N. J., N. Y., Ohio, 1 each.
3	722	Hydrofluosilicic, 1, N. Y.
3	722	Hypophosphorous, 2: Mo., 1; Pa., 1.
3	722	Lactic, 2: N. J., 1; Pa., 1.
[1] 3	722	**Metanilic**, 6:[2] N. J., 2; N. Y., 2; Mass., 1; Ohio, 1.
3	721	**Mixed (sulphuric-nitric)**, 39: N. J., 7; Pa., 6; Ill., 4; N. Y., 4; Ala., 2; Calif., 2; Colo., 2; Mich., 2; Mo., 2; Conn., D. C., Ind., Mass., Ohio, Utah, Wash., Wis., 1 each.
3	721	Molybdic, 3: Pa., 2; Calif., 1.
3, 6	721, 725	**Nitric**, 53: N. J., 9; Pa., 9; Calif., 5; Ill., 4; N. Y., 4; Colo., 3; Mich., 3; Mo., 3; Ala., 2; Mass., 2; Ariz., Conn., Del., Ind., Kans., Ohio, Wash., W. Va., Wis., 1 each.
3	721	**Oleic**, 15: Ohio, 5; N. Y., 2; Pa., 2; Ga., Ill., Ind., La., Md., N. J., 1 each.
[1] 3	722	Oxalic, 2:[2] Ill., 1; N. Y., 1.
3	722	Perchloric, 1, N. Y.
3	721	**Phosphoric**, 7: N. J., 4; Ala., 1; N. Y., 1; R. I., 1.
[1] 3	722	Propionic, 1,[2] N. Y.
[1] 3	722	**Pyrogallic**, 3:[2] N. Y., 2; Mo., 1.
3	722	Pyroligneous, 5: Fla., Mo., N. C., Tenn., Wash., 1 each.
[1] 3	722	**Salicylic**, 4:[2] N. J., 2; Mich., 1; Mo., 1.
3	721	**Stearic**, 9: Ohio, 3; N. Y., 2; Ill., Md., N. J., Pa., 1 each.
3, 4, 5	722, 723, 724	**Sulphuric**, 177: Ga., 19; Pa., 16; N. J., 15; S. C., 12; Ill., 11; N. C., 11; Ohio, 10; Ala., 9; Va., 8; Calif., 6; Md., 6; N. Y., 6; Tenn., 6; Tex., 6; Miss., 5; Mass., 4; Fla., 3; La., 3; Wis., 3; Ariz., 2; Colo., 2; Conn., 2; Mich., 2; Ark., Del., Ind., Kans., Mo., Mont., Okla., Utah, Wash., W. Va., 1 each.
3	722	**Sulphuric, reclaimed**, 66: Pa., 10; Tex., 8; Calif., 7; N. J., 7; Ohio, 4; Okla., 4; N. Y., 3; Colo., 2; Ill., 2; Ind., 2; La., 2; Mo., 2; W. Va., 2; Wyo., 2; Ark., Del., Kans., Ky., Md., Mich., Utah, Wash., Wis., 1 each.
3, 11	722, 731	Sulphurous, 2: N. Y., 1; Pa., 1.
3	722	**Tannic**, 6: Mass., 2; Mo., N. Y., R. I., Pa., 1 each.
3	722	**Tartaric**, 4: N. Y., 2; Calif., 1; Ohio, 1.
3	721	Tungstic, 2: Ohio, 1; Pa., 1.
[1] 3	722	Valeric, 2:[2] N. Y., 1; Wis., 1.
3	722	Vanadic, 1, Colo.
		Alcohols, other than ethyl, the products of distilleries, and methyl (methanol), the product of wood distillation—
15	733	**Amyl**, 20: La., 5; Ill., 4; N. J., 4; Md., 2; Calif., Ind., Mass., N. Y., W. Va., 1 each.
15	733	Butyl, 3: Ill., 1; Ind., 1; Md., 1.
15	733	Guaiacol, 2, N. J.
15	733	Isopropyl, 3: Md., 1; N. J., 1; W. Va., 1.
15	733	Propyl, 1, Md.
15	738	Aldehyde ammonia, 1, N. J.
15	738	Aldol, 1, N. Y.

[1] See footnote 8, Table 3.
[2] As reported by the United States Tariff Commission (Tariff Information Series, No. 34).

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[Names of products for which separate statistics are shown are printed in **bold-faced type**]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
		Alums—
10	730	**Aluminum sulphate (concentrated alum)**, 23: Pa., 7; Ill., 3; Ohio, 3; Mass., 2; Mo., 2; Calif., Conn., Del., N. J., N. Y., Tenn., 1 each.
10	730	**Ammonia alum**, 7: Pa., 3; N. Y., 2; Ill., 1; Mass., 1.
10	730	**Chrome alum**, 4: Mo., 2; N. J., 1; Pa., 1.
10	730	**Potash alum**, 3: Pa., 2; Mo., 1.
10	730	**Soda alum**, 5: Ill., 3; N. H., 1; N. Y., 1.
10	730	**Aluminous abrasives**, 4: N. Y., 3; Ala., 1.
		Aluminum—
10	730	Acetate, 2: Mo., 1; Pa., 1.
10	730	**Chloride**, 6: N. J., 2; Pa., 2; Mass., 1; Va., 1.
10	730	**Hydrate**, 4: N. J., 3; Pa., 1.
15	738	Metal, 4: N. Y., 2; N. C., 1; Tenn., 1.
10	730	Oleate, 2: N. J., 1; Ohio, 1.
10	730	Palmitate, 1, N. J.
10	730	Resinate, 1, N. J.
10	730	**Stearate**, 3: Mo., 1; N. J., 1; N. Y., 1.
		Ammonia—
6, 7	725, 726	**Anhydrous (chemical industries)**, 16: N. Y., 3; Mo., 2; N. J., 2; Ohio, 2; Pa., 2; Wash., 2; Colo., 1; Mass., 1; W. Va., 1.
6, 7	725, 726	**Aqua (chemical industries)**, 17: Pa., 3; Mo., 2; N. J., 2; N. Y., 2; Wash., 2; Colo., Ky., Mass., Mich., Ohio, R. I., 1 each.
6	725	Bifluoride, 1, N. Y.
6	725	Carbonate and bicarbonate, 4: Mich., 3; N. Y., 1.
6	725	Chloride, 5: Ind., Mo., N. Y., Ohio, Pa., 1 each.
6	725	Fluoride, 1, Ohio.
6	725	Iodide, 3: Mo., 1; N. Y., 1; Pa., 1.
6	725	Molybdate, 1, Colo.
6, 7	725, 726	**Nitrate**, 6: Calif., Mo., N. J., N. Y., Ohio, Pa., 1 each.
6	725	Oxalate, 1, Pa.
6	725	Phosphate, 4: Ala., Mo., N. J., Pa., 1 each.
6, 7	725, 726	**Sulphate**, 10: Pa., 2; Ky., Md., Mass., Mich., Mo., N. J., Tex., Va., 1 each.
6	725	Sulphide, 1, N. Y.
15	733	Amyl acetate, 12: N. J., 7; Ill., Md., Mass., N. Y., Wis., 1 each.
15	738	Amyl butyrate, 1, N. J.
		Antimony—
15	733	**Chloride**, 4: N. Y., 2; Mo., 1; N. J., 1.
15	733	Oxide, 1, Calif.
15	733	**Sulphide**, 5: Conn., Mass., N. J., N. Y., Pa., 1 each.
14	733	Argon, 2: N. J., 1; Ohio, 1.
		Arsenate of—
15	734	**Calcium**, 8: N. J., 2; Calif., Md., Mass., Mich., N. H., Tenn., 1 each.
15	734	**Lead**, 13: Mich., 4; Calif., 3; Colo., Ind., Md., Fla., Ill., Nebr., 1 each.
15	734	Magnesium, 1, Mich.
8, 15	728, 734	Sodium (and arsenite), 4: Calif., Colo., Mo., Pa., 1 each.
15	734	**Arsenic oxides (white)**, 10: Calif., 2; N. J., 2; Colo., Md., Mont., Tenn., Utah, Wash. each.
		Barium—
15	734	**Carbonate**, 4: Ill., N. Y., Pa., W. Va., 1 each.
15	734	Chlorate, 1, Mich.
15	734	**Chloride**, 4: Pa., 2; Ill., 1; N. J., 1.
15	734	Dioxide, 2: N. Y., 1; Ohio, 1.
15	734	Hydrate, 1, Ill.
15	734	Sulphate (blanc fixé), 13: N. Y., 3; Ill., 2; Mo., 2; Ohio, 2; Calif., N. J., R. I., W. Va., 1 each.
15	734	Sulphide, 4: Md., Mo., Pa., W. Va., 1 each.
15	738	Bauxite, calcined (concentrated), 3: Ark., 1; Ill., 1; Pa., 1.
		Bismuth—
15	734	Hydroxide, 1, Pa.
15	738	Metal, 1, Nebr.
15	734	Nitrate, 4: Mo., N. J., N. Y., Pa., 1 each.
15	734	Oxide, 2: N. Y., 1; Pa., 1.
15	734	Oxychloride, 3: Mo., 1; N. Y., 1; Pa., 1.
15	734	**Subcarbonate**, 6: N. J., 2; N. Y., 2; Mo., 1; Pa., 1.
15	734	**Subgallate**, 6: N. Y., 3; Mo., 1; N. J., 1; Pa., 1.
15	734	**Subnitrate**, 5: N. Y., 3; N. J., 1; Pa., 1.
15	734	**Subsalicylate**, 4: Mo., N. J., N. Y., Pa., 1 each.
15	734	**Blanc fixé.** (See **Barium sulphate.**)
11, 15	731, 735	**Bleaching powder.** (See **Calcium hypochlorite.**)
8	727	**Borax.** (See **Sodium biborate.**)
15	734	Bordeaux mixture, 8: N. J., 3; Calif., 2; Ind., 1; Md., 1; Mich., 1.
15	734	**Bromine, liquid**, 4: W. Va., 3; Ohio, 1.
15	734	**Butyl acetate**, 11: N. J., 5; Ill., 2; N. Y., 2; Md., 1; Mass., 1.
		Cadmium—
15	734	Chloride, 2: N. Y., 1; Pa., 1.
15	734	Iodide, 3: Mo., 1; N. J., 1; Pa., 1.
15	738	Metal, 1, Pa.
15	734	Oxide, 1, Pa.
		Calcium—
15	734	**Acetate**, 63: Pa., 29; N. Y., 13; Mich., 12; Tenn., 3; W. Va., 2; Wis., 2; Ky., 1; Miss., 1.
15	734	**Arsenate.** (See **Arsenate of calcium.**)
15	735	Bromide, 1, Mo.

Index of Products and Distribution of Number of Establishments, by States—Continued

[Names of products for which separate statistics are shown are printed in **bold-faced type**]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
		Calcium—Continued.
15	734	**Carbide,** 7: Iowa, 2; Ala., Mich., Minn., N. Y., Va., 1 each.
15	734	**Chloride,** 16: W. Va., 4; Mich., 3; Ohio, 3; Calif., 2; N. Y., 2; Mo., 1; Pa., 1.
15	735	Glycerophosphate, 1, N. J.
11, 15	731, 735	**Hypochlorite,** 17: N. Y., 6; Mich., 2; Calif., Mo., Md., N. H., Pa., R. I., Va., W. Va., Wis., 1 each.
15	735	Hypophosphite, 1, N. Y.
15	735	Iodide, 2: Mo., 1; Pa., 1.
15	735	Lactate, 3: Mo., 1; N. J., 1; N. Y., 1.
15	735	Lineolate, 1, Ohio.
15	735	Nitrate, 1, Mo.
15	735	**Phosphate,** 10: Ill., 3; N. J., 2; Ala., Mo., R. I., S. C., Tenn., 1 each.
15	735	Stearate, 2: N. J., 1; N. Y., 1.
15	738	Camphor, refined, 2: N. J., 1; Pa., 1.
		Carbon—
15	735	**Bisulphide,** 6: Calif., Mich., N. H., Pa., N. Y., W. Va., 1 each.
15	738	Decolorizing, 2: Pa., 1; Tex., 1.
14	733	Dioxide. (See **Acids, carbonic.**)
15	738	Electrodes, 3: N. Y., 2; Tenn., 1.
15	735	**Tetrachloride,** 4: Mich., N. H., N. Y., W. Va., 1 each.
		Cerium—
15	738	Chloride, 1, Ill.
15	738	Ferro, 1, N. J.
15	738	Oxalate, 2: Ill., 1; N. J., 1.
15	738	Chloral hydrate, 1, N. J.
15	735	**Chloroform,** 4: Mich., N. H., N. J., N. Y., 1 each.
11, 14	731, 733	**Chlorine, liquid,** 14: N. Y., 5; Mich., 3; Calif., 2; W. Va., 2; N. H., 1; R. I., 1.
		Chromium—
15	735	Oxide, 1, N. J.
15	735	Sulphate, 3: Mo., 1; N. J., 1; Pa., 1.
		Coal-tar products—
12	732	**Crudes,** 50: Ill., 7; Ohio, 6; Pa., 5; Ala., 4; Mass., 4; N. Y., 4; N. J., 3; Minn., 2; Mo., 2; Utah, 2; Wash., 2; Colo., Ind., La., Mich., R. I., Tenn., Va., W. Va., Wis., 1 each.
12	732	**Intermediates,** 64: N. J., 21; N. Y., 12; Pa., 7; Ohio, 5; Ill., 4; W. Va., 4; Mass., 2; Wis., 2; Conn., Ind., Md., Mich., Mo., N. H., R. I., 1 each.
12	732	**Dyes and other finished coal-tar products,** 74: N. J., 22; N. Y., 17; Mass., 11; Ohio, 4; Pa., 4; Ill., 3; Mo., 3; Mich., 2; R. I., 2; Wis., 2; Ind., Md., N. H., Va., 1 each.
		Cobalt—
15	738	Alloys, 1, Ind.
15	738	Lineolate, 1, N. J.
15	738	Resinate, 1, N. J.
15	738	Sulphate, 2: Ohio, 1; Pa., 1.
		Copper—
15	735	**Carbonate,** 5: N. J., 2; N. Y., 1; Ohio, 1; Pa., 1.
15	735	Chloride, 4: N. J., N. Y., Ohio, Pa., 1 each.
6, 15	725, 735	Cyanide. (See Cyanides, copper.)
15	735	Nitrate, 5: N. J., 2; Mo., 1; Ohio, 1; Pa., 1.
15	735	Oleate, 3: Ohio, 2; N. J., 1.
15	735	Oxide, 2: N. Y., 1; Ohio, 1.
15	735	**Sulphate (blue vitrol),** 12: N. J., 4; Pa., 2; Calif., Idaho, Mont., N. Y., R. I., Tenn., 1 each.
		Cyanides—
6	725	Calcium ferro, 1, Pa.
6	725	Copper, 2, N. J.
6	725	**Ferric ferro (Prussian blue),** 26: N. Y., 9; N. J., 8; Ill., 3; Pa., 2; Ky., Mich., Ohio, Wis., 1 each.
6	725	Gold, sodium, 1, N. J.
6	725	Mercury, 2: Mo., 1; Pa., 1.
6	725	Potassium ferro (Yellow prussiate of potassium), 2: N. J., 1; Pa., 1.
6	725	Sodium, 3: Calif., 1; Mo., 1; N. J., 1.
6	725	Sodium ferro (Yellow prussiate of sodium), 3: Pa., 2; N. J., 1.
6	725	Silver, 5: N. J., 2; Mo., 1; N. Y., 1; Pa., 1.
6	725	Zinc, 2: N. J.
15	738	Didymium oxide, 1, Ill.
12	732	Diphenylguanidine, 5: N. J., 4; Ohio, 1.
		Ethyl—
15	735	**Acetate,** 12: N. J., 7; Ill., Md., Mass., Mich., N. Y., 1 each.
15	738	Bromide, 1, N. J.
15	738	Butyrate, 3: N. J., 2; Wis., 1.
15	735	**Chloride,** 8: N. J., 5; Mich., 1; N. Y., 1; Ohio, 1.
15	735	**Ether,** 9: N. J., 2; N. Y., 2; Ga., Me., Md., Mo., Pa., 1 each
15	738	Formate, 1, Wis.
15	738	N-Caproate, 1, Wis.
15	735	**Nitrite** (Nitrous ether), 4: Mo., N. J., N. Y., Pa., 1 each.
15	738	Oenanthate, 1, Wis.
15	738	Pelarganate, 1, N. J.
		Ethylene—
15	738	Bromide, 1, Mich.
15	738	Dichloride, 1, W. Va.
15	738	Glycol, 1, W. Va.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[Names of products for which separate statistics are shown are printed in **bold-faced type**]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
15	736	**Ferro-alloys, electric-furnace,** 19: N. Y., 7; Ohio, 3; Pa., 3; Ala., Iowa, N. J., Tenn., Va., W. Va., 1 each.
15	735	**Formaldehyde,** 6: N. J., 4; Ill., 1; Mich., 1.
15	738	Geraniol, 3: N. J., 2; N. Y., 1.
15	738	Geranyl acetate, 2, N. J.
		Glycerine—
15	736	Crude, 75: Ohio, 9; Calif., 8; N. J., 8; N. Y., 7; Mass., 6; Ill., 4; Ind., 4; Pa., 4; Kans., 3; R. I., 3; Conn., 2; Iowa, 2; Minn., 2; Mo., 2; Oreg., 2; Wis., 2; Colo., Ky., Md., Mich., Nebr., Nev., Wash., 1 each.
15	736	**Refined,** 24: Ill., 6; N. Y., 4; Ohio, 4; Ind., 2; Kans., 2; N. J., 2; Pa., 2; Calif., 1; Mass., 1.
		Gold—
15	735	Bromide, 1, Pa.
15	735	Chloride, 4: Pa., 2; N. J., 1; N. Y., 1.
6	725	Sodium cyanide. (See Cyanides.)
15	738	Heliotropin, 2, N. J.
15	736	**Hexamethylenetetramine,** 4: N. J., 3; Ill., 1.
14	733	Hydrocarbon gases (other than acetylene), 13: Pa., 4; Ohio, 2; W. Va., 2; Ill., Md., N. J., N. Y., Nebr., 1 each.
14	733	**Hydrogen,** 48: Ohio, 8; Pa., 6; Calif., 4; Mich., 3; Ill., 2; Mo., 2; N. J., 2; Wash., 2; Wis., 2; Ark., Colo., Conn., Ind., Iowa, Ky., La., Mass., Minn., Mont., N. Y., Okla., Oreg., Tenn., Texas, Utah, Va., 1 each.
11	731	**Hydrogen peroxide,** 10: N. Y., 3; Mo., 2; N. J., 2; Calif., 1; Ill., 1; Ohio, 1.
8, 11, 15	727, 731, 735	**Hypochlorites.** (See **Calcium, sodium.**)
15	736	**Iodine, resublimed,** 8: N. Y., 3; N. J., 2; Md., 1; Mo., 1; Pa., 1.
15	736	**Iodoform,** 3: Mo., 1; N. J., 1; Pa., 1.
		Iron—
15	736	**Alloys.** (See **Ferro-alloys.**)
15	736	**Ammonium citrate,** 3: Mo., 1; N. Y., 1; Pa., 1.
15	736	**Chloride,** 8: N. Y., 3; N. J., 2; Mich., 1; Mo., 1; Pa., 1.
15	736	Iodide, 2: Mo., 1; Pa., 1.
15	736	**Nitrate,** 8: Mass., 2; N. J., 2; Pa., 2; Mo., 1; W. Va., 1.
15	736	Oxalate, 3: Mo., 1; N. Y., 1; Pa. 1.
15	736	Phosphate, 3: Mo.: 1; N. Y., 1; Pa., 1.
15	736	**Sulphate (copperas),** 34: Pa., 7; Ill., 6; N. Y., 4; Ohio, 4; N. J., 3; Ala., 2; Ind., 2; Mass., 2; Calif., Conn., Mich., Mo., 1 each.
15	736	Sulfide, 2: Pa., 1; Va., 1.
15	736	Vanadate, 1, N. J.
15	736	Linalyl acetate, 1, N. J.
		Lead—
15	736	**Acetate,** 7: N. J., 2; N. Y., 2; Calif., 1; Ill., 1; Ohio, 1.
15	734	**Arsenate.** (See Arsenate of lead.)
15	736	Fluosilicate, 1, Ind.
15	736	Nitrate, 1, Pa.
15	736	Sulphate, 3; Del., 1; Mo., 1; N. J., 1.
15	736	Sulfide, 2; N. J., 1; Ohio, 1.
15	736	Tetraethyl, 1, N. J.
15	737	Lime—sulphur. (See Sulphur—lime.)
15	738	Lithium salts and compounds, 2: N. J., 1; Pa., 1.
		Magnesium—
15	736	Arsenate. (See Arsenate of magnesium.)
15	736	Carbonate, 4: Pa., 3; Mich., 1.
15	736	**Chloride,** 6: Calif., 3; Mich., 1; Mo., 1; Pa., 1.
15	736	**Oxide,** 5: Pa., 4; Mich., 1.
15	736	Peroxide, 1, N. J.
15	736	Salicylate, 1, Pa.
15	736	Silicofluoride, 2: Md., 1; Ohio, 1.
15	736	Stearate, 1, N. Y.
15	736	**Sulphate (Epsom salt),** 11: Calif., 2; Ohio, 2; Ga., Ill., Md., Mich., Mo., N. Y., Pa., 1 each.
		Manganese—
15	736	Borate, 4: N. J., 2; Ohio, 1; Pa., 1.
15	736	Dioxide, 2: Ill., 1; Ohio, 1.
15	736	Glycerophosphite, 1, N. J.
15	736	Hypophosphite, 2: Mo., 1; Pa., 1.
15	736	Metal, 1, N. J.
15	736	Oxide, 1, Va.
15	736	Resinate, 3: N. J., 2; Pa., 1.
15	736	Sulphate, 3: Ill., 1; Mo., 1; N. J., 1.
		Mercury—
15	737	**Ammoniated,** 3: Md., 1; N. Y., 1; Pa., 1.
15	737	Bisulphate, 1, Pa.
15	737	**Chloride, mercuric,** 6: N. J., 3; Mo., 1; N. Y., 1; Pa., 1.
15	737	**Chloride, mercurous,** 3: N. J., 1; N. Y., 1; Pa., 1.
6	725	Cyanide. (See Cyanides.)
15	737	**Iodide,** 4: Mo., N. J., N. Y., Pa., 1 each.
15	737	Metal, redistilled, 4: Pa., 2; N. J., 1; N. Y., 1.
15	737	**Nitrate,** 4: Mo., N. J., N. Y., Pa., 1 each.
15	737	**Oxide,** 5: N. J., 2; Mo., 1; N. Y., 1; Pa., 1.
15	737	Sulphate, 1, Mo.
15	737	Sulphocyanate, 1, Pa.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[Names of products for which separate statistics are shown are printed in bold-faced type]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
15	737	**Methyl acetone,** 5: Mich., 2; N. J., 1; N. Y., 1; Pa., 1.
15	738	Methyl chloride, 1, N. Y.
15	738	Molybdenum, 1, N. J.
3	721	Molybdic acid. (See Acids.)
		Nickel—
15	737	Carbonate, 2: N. J., 1; Ohio, 1.
15	737	Chloride, 2, N. J.
15	737	Fluoride, 1, N. Y.
15	737	Hydroxide, 2, N. J.
15	737	Sulphate, 3: Mass., 1; N. J., 1; Ohio, 1.
8	728	**Niter cake (Sodium bisulphate),** 42: N. J., 8; Pa., 6; N. Y., 4; Ill., 3; Mich., 3; Mo., 3; Ala., 2; Colo., 2; Conn., 2; Tenn., 2; Calif., Del., Kans., Mass., Wash., W. Va., Wis., 1 each.
15	738	Nitrocellulose, 4, N. J.
6, 14	725, 733	**Nitrogen,** 4: Iowa, Mich., N. J., Pa., 1 each.
5, 14	725, 733	**Nitrous oxide,** 10: Ohio, 3; Calif., 2; Minn., 2; Ill., 1; Mo., 1; N. J., 1.
14	733	**Oxygen,** 141: (Liquefaction process, 91; electrolysis, 53; using both processes, 3): Pa., 23; Ohio, 19; Calif., 9; Ill., 7; Mich., 6; Mo., 6; N. J., 5; N. Y., 5; Tex., 5; Wash., 5; Wis., 5; Ind., 4; Mass., 4; Va., 4; Ala., 3; Ga., 3; Minn., 3; Okla., 3; Utah, 3; Colo., 2; La., 2; Md., 2; Nebr., 2; Tenn., 2; Ariz., Ark., Conn., Iowa, Ky., Mont., N. C., Oreg., W. Va., 1 each.
15	738	Paraldehyde, 1, N. Y.
15	738	Paraformaldehyde, 2, N. J.
13	732	Phenolic resins, 3: N. J., 2; Ill., 1.
15	737	Phosphorus, 1, N. Y.
15	737	Oxychloride, 3: N. J., 2; N. Y., 1.
15	737	Pentasulphide, 1, N. J.
15	737	Sesquisulphide, 1, N. Y.
15	737	Trichloride, 1, N. J.
		Potassium—
9	729	**Acetate,** 4: N. Y., 2; Mo., 1; Pa., 1.
9	729	Antimony tartrate (tartar emetic), 2, N. Y.
9	729	Bichromate, 3: N. J., 2; Pa., 1.
9	729	Bisulphate, 2: Mo., 1; Pa., 1.
9	729	**Bitartrate (cream of tartar),** 5: N. Y., 3; Calif., 1; Ohio, 1.
9	729	Bromate, 1, Pa.
9	729	Bromide, 1, N. Y.
9	729	Carbonate, 3: Md., 1; Mo., 1; Pa., 1.
9	729	Chlorate, 2: Mich., 1; N. J., 1.
9	729	Chloride, 4: Calif., 2; Mo., 1; Pa., 1.
9	729	**Citrate,** 7: N. Y., 4; Mo., 1; N. J., 1; Pa., 1.
9	729	Cyanide. (See Cyanides.)
9	729	Glycerophosphate, 1, N. J.
9	729	Hydroxide (caustic), 3, N. Y.
9	729	**Iodide,** 7: N. Y., 4; Mo., 1; N. J., 1; Pa., 1.
9	729	Nitrate, 1, Pa.
9	729	Oxalate, 1, Mo.
9	729	Perchlorate, 1, N. Y.
9	729	Permanganate, 1, Ill.
9	729	Salicylate, 1, Pa.
9	729	Sodium tartrate (Rochelle salts), 3: N. Y., 2; Ohio, 1.
9	729	Sulphate, 1, Pa.
9	729	Tartrate, 1, Mo.
9	729	Titanium oxalate, 1, Ill.
		Pyroxylin—
13	732	**Plastics,** 8: N. J., 4; Mass., 2; Mo., 1; N. Y., 1.
13	732	**Solutions,** 12: N. J., 6; N. Y., 3; Ill., 1; Md., 1; Pa., 1.
15	738	Radium salts, 1, N. J.
13	732	Rubber substitutes, 7: Mass., 3; N. J., 2; Conn., 1; Ohio, 1.
15	735	**Satin white (calcium sulphate and alumina),** 5: Mich., 2; Pa., 2; R. I., 1.
		Silver—
15	737	Chloride, 4: Pa., 2; Mo., 1; N. Y., 1.
6	725	Cyanide. (See Cyanides, silver.)
15	737	**Nitrate,** 8: N. J., 3; Pa., 2; Mo., 1; N. Y., 1; Ohio, 1.
15	737	Nuclcinate, 1, N. J.
15	737	Oxide, 2: N. Y., 1; Pa., 1.
15	737	Protein, 1, N. J.
15	737	Sulphate, 1, N. Y.
15	738	Silicon, 1, N. Y.
15	738	Silicon carbide, 3: N. Y., 2; Ala., 1.
		Soda—
8	727	**Modified sodas (Soda ash and caustic; soda ash and bicarbonate),** 5: N. Y., 2; Mich. 1; Ohio, 1; Pa., 1.
8	727	**Sal soda (Soda, sodium carbonate),** 29: Calif., 8; N. J., 4; N. Y., 3; Md., 2; Ohio, 2; Pa., 2; Colo., Ill., Iowa, Mich., Mo., Nev., R. I., Wash., 1 each.
8	728	**Salt cake,** 38: N. J., 6; Ohio, 4; Pa., 4; Calif., 3; Ill., 3; Conn., 2; Mass., 2; N. Y., 2; Ala., Ariz., Ark., Colo., Del., Ind., Kans., La., Md., Mich., Tex., W. Va., 1 each.
8	727	**Soda ash,** 12: Calif., 2; Mich., 2; N. Y., 2; Ohio, 2; Va., 2; Md., 1; Pa., 1.
		Sodium—
8	727	**Acetate,** 7: N. J., 3; N. Y., 2; Mo., 1; Pa., 1.
8	728	Arsenate. (See Arsenate of sodium.)
8	727	**Benzoate,** 7: N. J., 3; N. Y., 2; Conn., 1; W. Va., 1.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[Name of products for which separate statistics are shown are printed in **bold-faced type**]

Table	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
		Sodium—Continued.
8	727	**Biborate (borax)**, 7: Calif., 4; N. J., 1; N. Y., 1; Pa., 1.
8	727	**Bicarbonate, refined**, 6: Calif., 2; Mich., N. Y., Ohio, Va., 1 each.
8	727	**Bichromate and chromate**, 5: N. J., 3; Md., 1; Mo., 1.
8	728	**Bisulphate.** (See Niter cake.)
8	729	**Bisulphite**, 10: Mass., 3; N. J., 3; Del., Mo., N. Y., Pa., 1 each.
8	729	Bromide, 2: Mich., 1; N. J., 1.
8	729	Chlorate, 1, N. Y.
8	729	Chloride, refined, 7: N. Y., 3; Mich., 2; Mo., 1; Pa., 1.
8	728	**Citrate**, 6: N. Y., 3; Mo., 1; N. J., 1; Pa., 1.
6	725	Cyanide. (See Cyanides.)
8	728	**Fluoride**, 3: Del., 1; N. Y., 1; Ohio, 1.
8	728	**Glauber's salt (sodium sulphate)**, 22: Mass., 3; N. J., 3; N. Y., 3; Ohio, 3; Pa., 3; Calif., 2; Conn., Del., Ind., Iowa, Kans., 1 each.
8	729	Glycerophosphate, 1, N. J.
8	729	Hydrosulphide, 1, W. Va.
8	729	**Hydrosulphite**, 4: N. J., 2; Pa., 1; W. Va., 1.
8	727	**Hydroxide (caustic)**, 22: N. Y., 6; Mich., 5; Calif., 2; Ohio, 2; W. Va., 2; Mo., N. H., R. I., Va., Wis., 1 each.
8	727	**Hydroxide, repacked** (purchased in bulk), 12: Mo., 3; Pa., 3; N. Y., 2; Ohio, 2; Calif., 1; Wis., 1.
8, 11	728, 731	**Hypochlorite**, 7: N. Y., 4; Calif., 1; N. J., 1; Pa., 1.
8	728	**Hyposulphite (thiosulphate)**, 12: N. J., 4; Pa., 2; Calif., Del., Ill., Ind., N. Y., W. Va., 1 each.
8	728	**Iodide**, 7: N. Y., 4; Mo., 1; N. J., 1; Pa., 1.
8	729	Molybdate, 2: Colo., 1; Pa., 1.
8	728	**Nitrate, refined**, 5: Mo., 2; Calif., 1; N. Y., 1; Pa., 1.
8	729	Nitrite, 4: N. Y., Ohio, Pa., Wash., 1 each.
8	728	**Phosphates**, 13: N. J., 5; Ala., Del., Ill., Md., N. Y., Ohio, Pa., R. I., 1 each.
8	729	Salicylate, 3: N. J., 2; Mich., 1.
8	728	**Silicate**, 23: Ohio, 4; Ind., 3; N. J., 3; N. Y., 3; Calif., 2; Ill., 2; Kans., Mass., Mich., Pa., Wash., Wis., 1 each.
8	728	**Silicofluoride**, 8: Mich., 2; Fla., Ga., Mass., N. J., Pa., Tenn., 1 each.
8	729	Stannate, 1, N. J.
8	728	**Sulphate, anhydrous**, 5: N. J., 3; Mo., 1; Pa., 1.
8	728	**Sulphide**, 15: N. J., 3; Mo., 2; N. Y., 2; Pa., 2; Del., Ill., Mass., Mich., Ohio, W. Va., 1 each.
8	729	**Sulphite (normal)**, 7: N. J., 4; Calif., 1; Md., 1; Mo., 1.
8	729	Thiocyanate, 2: N. J., 1; Pa., 1.
8	729	**Tungstate**, 3, Pa.
8	729	Uranate, 1, Colo.
		Strontium—
15	737	Bromide, 1, Mo.
15	737	Carbonate, 1, Pa.
15	737	Chloride, 1, Pa.
15	737	Iodide, 1, Pa.
15	737	Nitrate, 1, N. J.
15	737	Peroxide, 1, N J.
15	737	Salicylate, 1, Pa.
		Sulphur—
15	737	**Chloride**, 4: Mich., N. H., N. Y., W. Va., 1 each.
14	733	**Dioxide**, 4: N. J., 2; Va., 1; Wis., 1.
15	737	**Refined**, 8: Calif., 3; Md., N. J., Ohio, Pa., Tex., 1 each.
15	737	**Sulphur—lime**, 13: Calif., 4; Ohio, 2; Ala., Colo., Ill., Ind., Md., Mich., N. J., 1 each.
15	738	Tellurium, 1, N. J.
15	738	Terpinyl acetate, 1, N. J.
15	738	Thorium nitrate, 1, Ill.
15	738	Thymol, 1, N. J.
		Tin—
15	737	**Chloride (stannic and stannous)**, 4: N. J., 3; Pa., 1.
15	737	Oxide, 4: Ind., N. J., Ohio, Pa., 1 each.
15	738	Titanium salts, 2: Ill., 1; N. Y., 1.
15	738	Tungsten, 1, N. J.
15	738	Salts, 2, Pa.
15	738	Uranium salts, 1, Colo.
15	738	Vanadium salts, 2: Colo., 1; Ill., 1.
15	732	**Vanillin**, 4, N. J.
		Zinc—
15	738	Acetate, 2: Mo., 1; Pa., 1.
15	738	Arsenite, 2: Mich., 1; N. J., 1.
15	738	Carbonate, 3: N. J., 1; Ohio, 1; Pa., 1.
15	738	**Chloride**, 14: N. J., 3; Ill., 2; Pa., 2; Calif., Ind., Mass., Mo., N. Y., Ohio, W. Va., 1 each.
6	725	Cyanide. (See Cyanides.)
15	738	Nitrate, 3: Mo., 1; N. Y., 1; Pa., 1.
15	738	Resinate, 2: Ohio, 1; Pa., 1.
15	738	**Stearate**, 6: N. J., 3; Mo., 1; N. Y., 1; Pa., 1.
15	738	**Sulphate**, 10: N. J., 4; Pa., 3; Mo., 1; N. Y., 1; Ohio, 1.
15	738	Sulphocarbolate, 1, Mo.

DRUGGISTS' PREPARATIONS; PATENT MEDICINES AND COMPOUNDS; PERFUMERY, COSMETICS, AND TOILET PREPARATIONS

Preliminary reports for these industries were published as follows: Druggists' preparations and patent medicines and compounds, November 29, 1926; Perfumery, cosmetics, and toilet preparations, August 30, 1926]

Because of the close relationship existing among these three industries, they are shown both separately and in combination in the statistical tables herewith.

Description of the industries.—The "Druggists' preparations" industry embraces those establishments which are engaged primarily in the manufacture of serums, vaccines and toxins, capsules (filled or empty), tablets, pills, tinctures, medicinal plasters, cough sirups, ointments, and other pharmaceuticals.

The principal products of the "Patent medicines and compounds" industry are medicines and compounds sold under the protection of patents, copyrights, or trade-marks, or prepared according to secret formulas, including medicines of a proprietary character, not necessarily patented, and various compounds or products handled by the pharmaceutical trade, such as insect powders, corn cures, liver pads, household ammonia, disinfectants, boiler compounds, fire-extinguishing compounds, etc.

The establishments assigned to the "Perfumery, cosmetics, and toilet preparations" industry are those whose leading products are perfumes of all kinds, toilet waters, creams, rouges, talcum and other toilet powders, tooth pastes and powders, washes and lotions, skin emollients, etc.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
THE GROUP AS A WHOLE								
1925	2,243	33,201	$35,206,911	$401,802	$167,786,065	$472,494,323	$304,708,258	53,774
1923	2,217	34,080	33,202,878	281,176	159,801,905	416,878,601	257,076,696	47,755
1921	2,266	30,476	30,970,429	362,264	132,157,711	330,137,156	197,979,445	(3)
1919	3,560	38,417	29,893,754	1,107,217	170,104,918	386,369,132	216,264,214	[4] 40,275
1914	3,815	25,502	12,709,575	222,925	66,339,943	167,372,129	101,032,186	[4] 28,509
Per cent of increase or decrease (−):								
1923–1925	1.2	−2.6	6.0	42.9	5.0	13.3	18.5	12.6
1921–1923	−2.2	11.8	7.2	−22.4	20.9	26.3	29.9	--------
1921–1925	−1.0	8.9	13.6	10.9	27.0	43.1	53.9	--------
1914–1925	−41.2	30.2	177.0	80.2	152.9	182.3	201.6	88.6
DRUGGISTS' PREPARATIONS								
1925	370	9,685	$11,078,384	$85,716	$36,063,719	$95,419,824	$59,356,105	12,553
1923	389	8,966	9,185,975	42,777	33,363,859	79,142,668	45,778,809	11,255
1921	408	10,838	11,936,658	3,537	34,573,664	81,697,922	47,124,258	(3)
1919	524	15,568	12,161,925	78,918	55,138,475	114,593,486	59,455,011	[4] 12,670
1914	416	9,277	4,754,508	27,901	22,934,723	48,009,654	25,074,931	[4] 8,308
Per cent of increase or decrease (−):								
1923–1925	−4.9	8.0	20.6	100.4	8.1	20.6	29.7	11.5
1921–1923	−4.7	−17.3	−23.0	(5)	−3.5	−3.1	−2.9	--------
1921–1925	−9.3	−10.6	−7.2	(5)	4.3	16.8	26.0	--------
1914–1925	−11.1	4.4	133.0	207.2	57.2	98.8	136.7	50.0
PATENT MEDICINES AND COMPOUNDS								
1925	1,279	14,892	$15,692,017	$176,946	$84,789,647	$247,564,046	$162,774,399	33,840
1923	1,363	17,353	16,914,859	200,744	88,802,058	237,494,447	148,692,389	29,998
1921	1,436	13,800	13,684,434	329,814	69,571,327	175,898,330	106,327,003	(3)
1919	2,467	17,444	13,748,813	803,210	88,819,417	212,102,255	123,342,838	[4] 26,409
1914	2,903	13,328	6,675,168	175,617	35,940,434	102,463,374	66,522,940	[4] 18,326
Per cent of increase or decrease (−):								
1923–1925	−6.2	−14.7	−7.8	−11.9	−4.5	4.2	9.5	12.8
1921–1923	−5.1	25.7	23.6	−39.1	27.6	35.0	39.8	--------
1921–1925	−10.9	7.8	13.9	−46.3	21.9	40.7	53.1	--------
1914–1925	−55.9	11.1	133.6	.8	135.9	141.6	144.7	84.7
PERFUMERY AND COSMETICS								
1925	594	8,714	$8,536,510	$139,140	$46,032,699	$129,510,453	$82,577,754	7,381
1923	465	7,761	7,102,044	37,555	37,635,988	100,241,486	62,605,498	6,502
1921	422	5,838	5,358,337	28,913	28,012,720	72,540,904	44,528,184	(3)
1919	569	5,405	3,983,016	225,089	26,147,026	59,613,391	33,466,365	2,196
1914	496	2,897	1,279,899	19,407	7,464,786	16,899,101	9,434,315	[4] 1,815
Per cent of increase:								
1923–1925	27.7	12.3	20.2	269.5	24.7	29.2	31.9	13.5
1921–1923	10.2	32.9	32.5	30.2	34.4	38.2	40.6	--------
1921–1925	40.8	49.3	59.3	381.2	67.5	78.5	85.5	--------
1914–1925	19.8	200.8	567.0	617.0	528.7	666.4	775.3	306.7

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.
[4] These figures differ slightly from the corresponding ones published in the reports for 1919 and 1914 because of the exclusion here and the inclusion in the previous reports of data for purchased power other than electric. (See footnote 1, Table 3, p. 749.)
[5] Not computed where percentage is higher than 1,000.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 7]

INDUSTRY AND STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY											
		January	February	March	April	May	June	July	August	September	October	November	December
The group as a whole:													
1925 [1]	33,201	32,761	33,462	33,666	33,533	32,810	32,387	*32,293*	32,702	33,239	33,921	34,042	33,587
1923 [1]	34,080	33,478	34,186	34,787	34,578	34,045	33,673	*33,463*	33,754	33,718	34,607	34,766	33,902
1921 [1]	30,476	31,348	30,821	30,602	30,053	29,519	*28,991*	29,105	29,344	30,408	31,795	32,104	31,625
1919 [1]	38,417	38,913	39,347	39,102	37,995	37,457	*36,784*	37,059	37,311	38,027	39,095	40,036	39,878
Druggists' preparations:													
1925 [1]	9,685	9,594	9,685	9,667	9,665	9,560	*9,470*	9,493	9,770	9,899	9,796	9,849	9,769
1923 [1]	8,966	*8,774*	8,954	9,083	8,973	8,947	8,969	9,120	8,974	8,861	9,001	9,046	8,886
1921 [1]	10,838	11,798	11,017	10,847	10,610	10,576	10,329	*10,300*	10,337	10,871	11,304	11,047	11,017
1919 [1]	15,568	16,275	16,369	16,159	15,484	15,219	*14,941*	15,138	14,961	15,221	15,547	15,709	15,803
Patent medicines and compounds:													
1925 [1]	14,802	14,786	15,124	15,213	15,113	14,801	14,491	14,238	*14,128*	14,428	14,970	15,137	15,188
1923 [1]	17,353	17,502	17,904	18,115	17,951	17,535	17,188	*16,632*	16,801	16,854	17,211	17,348	17,194
1921 [1]	13,800	14,146	14,171	13,976	13,618	13,219	*13,031*	13,128	13,116	13,454	14,374	14,815	14,552
1919 [1]	17,444	17,917	18,112	17,938	17,415	17,002	16,629	*16,607*	16,756	17,086	17,600	18,165	18,101
Perfumery and cosmetics:													
1925 [1]	8,714	*8,381*	8,653	8,786	8,755	8,449	8,426	8,562	8,804	8,912	9,155	9,056	8,630
1923 [1]	7,761	*7,202*	7,328	7,589	7,654	7,563	7,516	7,711	7,979	8,003	8,395	8,372	7,822
1921 [1]	5,838	*5,404*	5,633	5,779	5,825	5,724	5,631	5,677	5,891	6,083	6,117	6,242	6,056
1919 [1]	5,405	*4,721*	4,876	5,005	5,096	5,236	5,214	5,314	5,594	5,720	5,948	6,162	5,974
States—The group as a whole, 1925													
Alabama	57	57	54	56	57	59	58	59	57	56	57	57	56
California	735	710	733	758	749	746	758	757	737	713	714	712	724
Colorado	35	39	38	38	38	41	38	33	30	29	30	29	32
Connecticut	457	469	485	477	476	476	453	432	448	428	431	460	451
Illinois	2,966	2,829	2,886	2,940	2,949	2,903	2,952	3,070	2,979	2,989	3,036	3,036	3,016

See footnote at end of table

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925—Continued

[See note at head of this table]

INDUSTRY AND STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY											
		January	February	March	April	May	June	July	August	September	October	November	December
States—The group as a whole, 1925—Con.													
Indiana	1,726	1,662	1,665	1,688	1,696	1,658	1,730	1,774	1,775	1,776	1,797	1,731	1,753
Iowa	519	514	497	499	503	506	523	538	538	541	540	526	510
Kentucky	162	162	161	160	170	170	167	164	150	144	156	172	168
Maryland	1,160	1,180	1,201	1,201	1,170	1,119	1,068	1,069	1,091	1,151	1,227	1,231	1,210
Massachusetts	1,239	1,312	1,411	1,388	1,359	1,226	1,117	1,155	1,108	1,137	1,196	1,245	1,205
Minnesota	681	586	657	681	704	704	736	723	747	711	670	639	619
Missouri	2,333	2,282	2,353	2,319	2,315	2,280	2,299	2,243	2,225	2,334	2,430	2,434	2,486
Nebraska	139	124	126	131	139	146	147	148	146	143	144	141	138
New Jersey	2,370	2,343	2,439	2,511	2,503	2,380	2,290	2,240	2,217	2,252	2,387	2,428	2,450
New York	8,365	8,331	8,434	8,462	8,395	8,248	8,089	8,088	8,166	8,382	8,619	8,677	8,490
Ohio	1,681	1,664	1,671	1,755	1,708	1,653	1,556	1,609	1,651	1,680	1,751	1,757	1,715
Pennsylvania	2,699	2,739	2,756	2,712	2,680	2,663	2,638	2,542	2,646	2,659	2,749	2,801	2,774
Tennessee	770	764	771	777	804	795	795	768	746	749	793	769	714
Texas	169	165	161	170	173	181	173	171	164	168	171	165	161

[1] Month of maximum employment indicated by **bold-faced** figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: "The group as a whole"—1925, 94.8; 1923, 96.2; 1921, 90.3; 1919, 91.9. Druggists' preparations—1925, 95.7; 1923, 96.2; 1921, 87.3; 1919, 91.3. Patent medicines and compounds—1925, 92.9; 1923, 91.8; 1921, 88; 1919, 91.4. Perfumery and cosmetics—1925, 91.5; 1923, 85.8; 1921, 86.6; 1919, 76.6.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Capacity	Number	Capacity	Number	Capacity
THE GROUP AS A WHOLE		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	9,817	53,774	7,893	47,755	5,128	[1] 40,275
Steam engines	163	15,222	169	15,493	229	18,182
Steam turbines	3	1,750			3	531
Internal-combustion engines	29	1,244	51	1,435	96	951
Water wheels and turbines			3	34	[2] 11	[2] 55
Electric motors driven by purchased current	9,622	35,558	7,670	30,793	4,789	20,556
Electric motors, total	13,557	48,672	10,928	41,417	7,142	29,364
Driven by purchased current	9,622	35,558	7,670	30,793	4,789	20,556
Driven by current generated in establishment reporting	3,935	13,114	3,258	10,624	2,353	8,808
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	90	9,833	(3)	(3)	(3)	(3)
DRUGGISTS' PREPARATIONS		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	1,750	12,553	1,564	11,255	1,344	[1] 12,670
Steam engines	45	5,251	43	5,897	85	7,731
Steam turbines	3	1,750			1	500
Internal-combustion engines	3	625	13	674	27	173
Water wheels and turbines					[4] 2	[4] 2
Electric motors driven by purchased current	1,699	4,927	1,508	4,684	1,229	4,264
Electric motors, total	3,932	10,762	2,789	9,782	2,724	8,432
Driven by purchased current	1,699	4,927	1,508	4,684	1,229	4,264
Driven by current generated in establishment reporting	2,233	5,835	1,281	5,098	1,495	4,168
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	31	4,592	(3)	(3)	(3)	(3)
PATENT MEDICINES AND COMPOUNDS		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	5,666	33,840	4,713	20,998	2,994	[1] 25,409
Steam engines	111	9,276	116	8,801	134	10,156
Steam turbines					2	31
Internal-combustion engines	23	594	33	723	65	744
Water wheels and turbines			3	34	[2] 9	[2] 53
Electric motors driven by purchased current	5,532	23,970	4,561	20,440	2,784	14,425
Electric motors, total	7,065	30,763	6,346	25,269	3,635	19,046
Driven by purchased current	5,532	23,970	4,561	20,440	2,784	14,425
Driven by current generated in establishment reporting	1,533	6,793	1,785	4,829	851	4,621
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	53	4,850	(3)	(3)	(3)	(3)
PERFUMERY AND COSMETICS		*Horsepower*		*Horsepower*		*Horsepower*
Prime movers, total	2,401	7,381	1,616	6,502	790	2,196
Steam engines	7	695	10	795	10	295
Steam turbines						
Internal-combustion engines	3	25	5	38	4	34
Water wheels and turbines						
Electric motors driven by purchased current	2,391	6,661	1,601	5,669	776	1,867
Electric motors, total	2,560	7,147	1,793	6,366	783	1,886
Driven by purchased current	2,391	6,661	1,601	5,669	776	1,867
Driven by current generated in establishment reporting	169	486	192	697	7	19
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	6	391	(3)	(3)	(3)	(3)

[1] This total differs from that given in the report for 1919 because of the exclusion here and the inclusion in the 1919 report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

[2] Includes data for a small number of water motors.

[3] Not called for on schedule.

[4] Water motors only.

TABLE 4.—PRODUCTS, BY CLASS, KIND, AND VALUE, FOR THE UNITED STATES: 1919 TO 1925

	1925	1923	1921	1919
PRODUCTS, BY INDUSTRIES				
Total value	$502,849,059	$449,224,569	$357,272,094	$430,856,356
The drug industries, all products	472,494,323	416,878,601	330,137,156	386,369,132
Secondary products of other industries	30,354,736	32,345,968	27,134,938	44,487,224
Druggists' preparations industry, all products	95,419,824	79,142,668	81,697,922	114,593,486
Druggists' preparations	67,111,168	57,384,698	(1)	(1)
Patent medicines and compounds	22,590,733	16,988,320		
Perfumery, cosmetics, and toilet preparations	2,082,850	1,245,537		
All other products	3,635,073	3,524,113		
Patent medicines and compounds industry, all products	247,564,046	237,494,447	175,898,330	212,162,255
Patent and proprietary medicines and compounds	214,015,660	202,628,887	(1)	(1)
Druggists' preparations	6,535,576	12,407,979		
Perfumery, cosmetics, and toilet preparations	11,723,274	8,996,691		
All other products	15,289,536	13,460,890		
Perfumery, cosmetics, and toilet preparations industry, all products	129,510,453	100,241,486	72,540,904	59,013,391
Perfumery, cosmetics, and toilet preparations	115,780,721	90,005,203	(1)	(1)
Druggists' preparations	921,317	1,309,158		
Patent and proprietary medicines and compounds	4,491,097	4,778,856		
All other products	8,317,318	4,148,269		
Secondary products of other industries:				
Druggists' preparations	6,352,614	7,475,488	5,199,800	21,839,202
Patent and proprietary medicines and compounds	6,196,233	5,880,851	5,823,405	6,878,102
Perfumery, cosmetics, and toilet preparations	[2] 17,805,889	[2] 18,989,629	[2] 16,111,733	[2] 15,769,920
PRODUCTS IN DETAIL				
Druggists' preparations, total	$80,920,675	$78,577,323	$77,970,083	$117,096,228
Alkaloids and derivatives	$6,336,778	$6,432,991	$4,986,730	$15,416,028
Morphine—pounds	6,297	11,268	(3)	37,047
Morphine—value	$922,133	$1,305,988		$5,906,201
Codein—pounds	5,956	6,654		3,295
Codein—value	$701,777	$689,249		$473,322
Cocaine—pounds	2,160	1,991		6,781
Cocaine—value	$237,144	$211,409		$1,021,423
Caffeine—pounds	322,137	55,754		18,742
Caffeine—value	$1,047,321	$491,379		$379,528
Strychnine—pounds	14,402	17,768		26,029
Strychnine—value	$121,805	$245,803		$986,702
Nicotine—pounds	711,374	$3,489,163		
Nicotine—value	$1,681,893			
Other, including quinine and other cinchona alkaloids and alkaloids not itemized—value	$1,624,705			$6,648,852
Biological products	$10,621,933	$14,002,409	$10,856,924	$15,876,358
Serums	2,951,459	(4)	(4)	(4)
Antitoxins	2,573,728			
Vaccines	1,335,184			
Viruses	804,338			
Bacterians	766,052			
Undistributed (not reported by kind)	2,131,172			
Other druggists' preparations (not patent or proprietary)—				
Synthetic preparations [5]	30,232,355	138,327	415,610	[5] 8,899,538
Tinctures, fluid extracts, medicinal sirups, and other liquid preparations, not otherwise accounted for		26,177,971	29,361,589	38,679,454
Pills, tablets, powders, etc., not otherwise accounted for	32,553,416	30,653,374	30,451,434	37,803,903
Pharmaceutical metals and their salts	1,176,193	1,172,251	1,897,796	420,952

See footnotes at end of table

TABLE 4.—PRODUCTS, BY CLASS, KIND, AND VALUE, FOR THE UNITED STATES: 1919 TO 1925—Continued

	1925	1923	1921	1919
PRODUCTS IN DETAIL—continued				
Patent and proprietary medicines, total	$174,305,562	$165,464,630	$128,306,010	$162,473,807
For sale to the general public—				
Containing narcotic drugs (opium, codein, morphine, heroin, or cocaine)	278,202	862,403	403,552	777,547
Not containing narcotic drugs	133,909,803	125,980,912	107,952,047	132,201,324
Ethical specialties (dispensed upon prescription)—				
Containing narcotic drugs (opium, codein, morphine, heroin, or cocaine)	1,394,549	1,347,861	657,790	2,178,817
Not containing narcotic drugs	38,723,008	37,273,454	19,292,621	27,316,119
Synthetic chemicals, medicinal	2,252,244	(4)	(4)	(4)
Gland products	5,447,361			
Vitamin preparations	342,554			
Other	30,680,849			
Patent and proprietary compounds, total	72,988,161	64,812,284	44,440,048	46,351,234
Insecticides	18,903,973	21,916,776	12,354,228	(4)
Antiseptics	13,842,386	7,903,407	4,073,425	
Disinfectants	5,775,388	5,291,353	4,648,249	
Boiler compounds	5,756,729	4,889,270	3,622,352	
Deodorants	4,342,879	2,669,968	2,166,735	
Household ammonia	1,848,198	(4)	(4)	
Germicides	1,305,430	1,060,211	509,448	
Fire-extinguishing compounds	144,601	132,430	98,447	
Other, including compounds unclassified	21,068,577	20,888,869	16,967,164	
Perfumery, cosmetics, and toilet preparations, total	[2] 147,392,734	[2] 119,237,060	[2] 90,756,063	[2] 82,084,262
Creams, rouges, etc	35,548,920	(4)	(4)	(4)
Dentifrices	25,736,068			
Talcum and other toilet powders	21,377,529			
Perfumery and toilet waters	20,357,539			
Hair tonics	9,990,986			
Hair dyes	2,581,802			
Other cosmetics and toilet preparations	23,698,412			
Perfumery, cosmetics, and toilet preparations not reported by class or kind	8,101,418			
All other products [7]	27,241,927	21,133,272	15,799,890	22,850,825

[1] Not tabulated separately.
[2] Includes values of perfumery, cosmetics, and toilet preparations made as secondary products by establishments classified in the soap industry, as follows: 1925, $15,686,545; 1923, $16,928,310; 1921, $15,115,334; 1919, $12,635,206.
[3] No comparable data.
[4] Not reported separately.
[5] Shown in combination for 1925 in order to avoid disclosing operations of individual establishments.
[6] Includes coal-tar medicinals to the value of $8,494,948 (such medicinals have been treated as products of the "Chemicals, not elsewhere classified" industry at subsequent censuses.)
[7] Flavoring extracts, soda-fountain sirups, toilet soaps, miscellaneous merchandise sold in condition in which purchased, etc. Flavoring extracts and soda-fountain sirups are made primarily by establishments classified in the "Flavoring extracts and flavoring sirups" industry, and toilet soap is made principally by establishments classified in the "Soap" industry. The values of these commodities included in this table represent only the products of establishments in the drug industries.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, FOR THE UNITED STATES, 1919 TO 1925, AND FOR STATES, 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Three of the "All other States," however, outranked some of the States shown separately]

STATE AND CENSUS YEAR	ALL PRODUCTS		Biological products, (serums, vaccines, toxins, etc.) [2]	Tinctures, fluid extracts, medicinal sirups, etc., and synthetic preparations	Pills, tablets, powders, etc., not otherwise accounted for	Alkaloids and derivatives, and pharmaceutical metals and their salts	Patent and proprietary medicines	Patent and proprietary compounds
	Number of establishments [1]	Total value						
United States:								
1925	2,412	$502,849,059	$10,621,933	$30,232,355	$32,553,416	$7,512,971	$174,305,562	$72,988,161
1923	2,426	449,224,569	14,002,409	26,316,298	30,653,374	7,605,242	165,464,630	64,812,284
1921	2,458	357,272,094	10,856,924	29,777,199	30,451,434	6,884,526	128,306,010	44,440,048
1919	3,862	430,856,356	15,876,358	[6] 47,578,987	37,803,903	15,836,980	162,473,807	46,351,234
Alabama	17	648,109		94,780	(7)		(7)	208,198
California	136	9,801,530	(7)	502,330	(7)		3,554,872	2,590,963
Connecticut	28	11,164,360		565,893	192,967	(7)	(7)	797,116
Georgia	28	3,955,563		(7)	(7)		3,051,253	353,926
Illinois	275	55,938,998	109,377	1,321,541	3,027,531		17,255,015	9,355,939
Indiana	62	18,354,331	943,859	(7)	(7)	(7)	5,257,998	1,296,393
Iowa	64	9,669,705	658,684	(7)	220,063	(7)	3,499,287	148,828
Kansas	27	916,906	418,346		(7)		206,657	(7)
Kentucky	27	2,404,712	(7)	141,519	171,232	(7)	672,347	283,531
Louisiana	26	1,435,857		(7)	(7)		740,671	323,379
Maine, New Hampshire, Vermont, and Rhode Island	42	4,026,457		424,134	48,493		1,005,285	1,114,234
Maryland	53	16,591,913		(7)	(7)	(7)	10,259,296	1,267,732
Massachusetts	94	21,707,743	(7)	1,108,129	776,142	(7)	8,522,932	3,896,703
Michigan	64	33,343,016	2,368,369	2,926,035	5,005,857	(7)	15,925,881	(7)
Minnesota	57	9,440,912	(7)	117,790	24,336	(7)	2,209,770	1,333,460
Missouri	150	34,685,381	790,499	759,856	1,209,990	798,618	11,658,760	13,611,134
Nebraska	27	1,676,501	540,857	(7)	47,118		(7)	371,486
New Jersey	108	45,596,477		171,119	3,284,625	1,352,343	13,600,247	6,236,959
New York	506	122,841,334	1,523,332	5,386,121	8,015,882	1,137,325	39,389,461	11,113,001
North Carolina and Virginia	32	6,034,842	(7)	10,814	136,183	(7)	4,083,937	493,080
Ohio	159	30,987,896	(7)	1,202,036	1,079,823	(7)	7,974,449	7,648,129
Oregon and Washington	36	1,825,514		179,206	(7)		(7)	662,545
Pennsylvania	187	35,702,973	(7)	6,809,518	3,986,155	1,802,769	12,209,734	(7)
Tennessee	45	11,518,716	(7)	580,012	551,951	(7)	5,425,803	476,953
Texas	34	2,179,586	(7)	253,465	(7)		794,186	(7)
All other States	128	10,399,727	410,048	361,401	96,621	8,306	3,511,502	2,465,053
Undistributed			[7] 2,858,562	[7] 7,316,656	[7] 4,677,847	[7] 2,413,610	[7] 3,496,219	[7] 6,939,419

STATE AND CENSUS YEAR	PERFUMERY, COSMETICS, AND OTHER TOILET PREPARATIONS								
	Total	Perfumery and toilet waters	Creams, rouges, etc.	Dentifrices	Hair dyes	Hair tonics	Talcum and other toilet powders	Other cosmetics and toilet preparations [8]	All other products [3]
United States:									
1925	[4] $147,392,734	$20,357,539	$35,548,920	$25,736,068	$2,581,862	$9,990,986	$21,377,529	$31,799,830	$27,241,927
1923	[4] 119,237,060	(5)	(5)	(5)	(5)	(5)	(5)	(5)	21,133,272
1921	[4] 90,756,063								15,799,890
1919	[4] 82,084,262								22,850,825
Alabama	217,374	(7)	26,419		(7)	(7)	(7)	(7)	18,482
California	2,216,769	467,072	445,408	(7)	(7)	760,001	116,810	212,687	260,555
Connecticut	6,413,697	852,291	(7)	(7)		21,393	(7)	165,243	270,057
Georgia	409,027	25,819	(7)	(7)	(7)	(7)	37,523	139,478	94,197
Illinois	19,586,444	2,308,518	3,882,609	(7)	128,423	993,459	2,641,321	3,663,217	5,283,151
Indiana	2,219,151	(7)	(7)	(7)		(7)	332,088	420,878	592,797
Iowa	4,502,382	19,939	(7)	7,552	(7)	(7)	(7)	833,680	420,068
Kansas	36,856	(7)	4,407	(7)		(7)	(7)	20,943	72,186
Kentucky	324,882	19,199	23,481		(7)	36,102	(7)	12,787	22,438
Louisiana	278,004	45,606	(7)	(7)	(7)	(7)	(7)	31,574	63,508
Maine, New Hampshire, Vermont, and Rhode Island	1,130,919	(7)	(7)	(7)		(7)	(7)	(7)	303,392
Maryland	1,003,637	177,083	(7)	(7)	(7)	48,805	30,552	(7)	233,930
Massachusetts	4,874,458	1,341,908	956,475	(7)	(7)	466,507	1,140,896	145,889	2,498,349
Michigan	3,735,951	494,817	1,204,721	219,520	(7)	382,582	430,549	(7)	1,217,408
Minnesota	3,449,157	365,710	1,034,856	114,727	(7)	219,111	261,364	1,030,457	2,266,322
Missouri	4,407,286	640,977	435,897	908,583	47,110	982,885	360,680	1,031,154	1,449,238
Nebraska	177,148	(7)					(7)	(7)	25,976
New Jersey	18,623,690	(7)	(7)	10,169,101	(7)	212,446	(7)	3,853,071	2,327,494
New York	52,975,670	8,754,879	13,567,142	4,604,354	1,450,573	3,484,222	9,453,061	11,661,439	3,300,542
North Carolina and Virginia	211,713		(7)			(7)	(7)	(7)	290,829
Ohio	9,254,507	901,690	2,209,282	(7)	(7)	390,744	1,310,839	4,035,678	3,634,087
Oregon and Washington	676,700	39,300	86,069	(7)	(7)	9,118	22,068	(7)	83,066
Pennsylvania	3,555,970	673,073	834,313	99,940	(7)	(7)	542,659	1,197,047	1,285,364
Tennessee	3,577,814	131,824	1,288,797	(7)	(7)	(7)	732,342	1,156,948	855,885
Texas	261,929	(7)	58,514	(7)	(7)	(7)	(7)	22,435	97,409
All other States	3,271,599	231,251	2,154,419	69,499	(7)	(7)	236,167	394,524	275,197
Undistributed		[7] 2,866,583	[7] 7,336,111	[7] 9,542,792	[7] 955,756	[7] 1,983,611	[7] 3,728,610	[7] 1,770,701	

[1] Includes those in other industries which reported the manufacture of druggists' preparations, patent medicines and compounds, perfumery, cosmetics, and toilet preparations, as secondary products. (See Table 4.)

[2] Reported by 82 establishments for 1925; 95 for 1923; 93 for 1921; and 94 for 1919. Distribution by States for 1925: Kansas, 14 establishments; Missouri, 11; Iowa, 7; Nebraska, 7; New York, 7; California, 5; Indiana, 5; Michigan, 5; Illinois, 4; Colorado, 2; Ohio, 2; Pennsylvania, 2; Texas, 2; District of Columbia, 1; Kentucky, 1; Massachussets, 1; Minnesota, 1; Oklahoma, 1; South Dakota, 1; Tennessee, 1; Virginia, 1; Wisconsin, 1.

[3] See footnote 7, Table 4. [4] See footnote 2, Table 4. [5] Not reported separately. [6] See footnote 6, Table 4.

[7] The values not shown for individual States are included in the "Undistributed" item in order to avoid disclosing operations of individual establishments.

[8] Including those not reporting by class or kind.

TABLE 6.—NUMBER OF ESTABLISHMENTS, DISTRIBUTED ACCORDING TO CLASSES OF PRODUCTS, BY GEOGRAPHIC DIVISIONS: 1925

[The difference between the total at the head of each column and the sum of the items in the column is due to the fact that some of the establishments reported more than one class of products]

CLASS OF PRODUCTS AND NUMBER OF ESTABLISHMENTS REPORTING	United States	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific
Total number of establishments	2,412	[1] 164	[2] 801	[3] 594	[4] 331	[5] 156	[6] 91	[7] 79	[8] 24	[9] 172
Druggists' preparations:										
Alkaloids and derivatives	30	-----	16	3	6	2	3	-----	-----	-----
Biological products—										
Serums	57	-----	3	10	37	1	2	-----	2	2
Antitoxins	9	-----	2	4	2	-----	-----	-----	-----	1
Vaccines	17	-----	2	5	6	-----	2	-----	1	1
Viruses	42	-----	1	8	29	-----	1	-----	1	2
Bacterians	19	-----	2	6	7	-----	-----	-----	1	3
Undistributed (not reported by kind)	16	1	5	4	1	1	2	-----	-----	2
Other druggists' preparations (not patent or proprietary)—										
Tinctures, fluid extracts, medicinal sirups, and other liquid preparations not otherwise accounted for, and synthetic preparations	303	32	88	70	28	28	23	16	2	16
Pills, tablets, powders, etc., not otherwise accounted for	316	29	105	84	41	17	17	7	2	14
Pharmaceutical metals and their salts	27	3	12	3	3	3	3	-----	-----	-----
Patent and proprietary medicines:										
For sale to the general public—										
Containing narcotic drugs	42	7	10	3	-----	10	2	3	-----	7
Not containing narcotic drugs	848	63	233	204	142	75	39	40	7	45
Ethical specialties (dispensed upon prescriptions)—										
Containing narcotic drugs	81	7	21	16	15	6	2	3	1	10
Not containing narcotic drugs—										
Synthetic chemicals, medicinal	23	1	8	6	4	1	3	-----	-----	-----
Gland products	31	1	16	8	1	2	-----	-----	-----	3
Vitamin preparations	4	-----	1	3	-----	-----	-----	-----	-----	-----
Other	138	11	47	31	21	8	11	3	1	5
Patent and proprietary compounds:										
Insecticides	302	16	71	63	55	28	13	15	2	39
Antiseptics	184	16	49	36	38	11	9	8	1	16
Disinfectants	195	12	59	44	41	6	4	7	3	19
Boiler compounds	59	5	13	21	8	1	1	2	-----	8
Deodorants	83	9	27	21	15	2	-----	2	-----	7
Household ammonia	108	8	24	17	12	14	8	7	2	16
Germicides	55	7	9	12	18	1	1	1	-----	6
Fire-extinguishing compounds	8	-----	2	-----	2	-----	-----	-----	-----	4
Other, including compounds unclassified	212	18	69	59	25	4	5	6	4	22
Perfumery, cosmetics, and toilet preparations:										
Creams, rouges, etc	430	28	133	105	56	23	26	17	3	39
Dentifrices	170	15	52	41	27	6	9	7	-----	13
Talcum and other toilet powders	306	22	101	72	45	15	19	10	2	20
Perfumery and toilet waters	442	30	161	113	50	25	25	14	1	23
Hair tonics	358	21	130	81	53	17	18	11	-----	27
Hair dyes	70	4	31	12	8	4	4	3	-----	4
Other cosmetics and toilet preparations	400	23	147	103	48	13	24	12	2	28
Perfumery, cosmetics, and toilet preparations, not reported by class or kind	45	1	11	18	7	3	-----	1	3	1
All other products [10]	257	23	69	52	35	25	22	14	4	13

[1] Maine, 16 establishments; New Hampshire, 6; Vermont, 11; Massachusetts, 94; Rhode Island, 9; Connecticut, 28.
[2] New York, 506 establishments; New Jersey, 108; Pennsylvania, 187.
[3] Ohio, 159 establishments; Indiana, 62; Illinois, 275; Michigan, 64; Wisconsin, 34.
[4] Minnesota, 57 establishments; Iowa, 64; Missouri, 150; South Dakota, 6; Nebraska, 27; Kansas, 27.
[5] Delaware, 2 establishments; Maryland, 53; District of Columbia, 10; Virginia, 23; West Virginia, 5; North Carolina, 9; South Carolina, 8; Georgia, 28; Florida, 18.
[6] Kentucky, 27 establishments; Tennessee, 45; Alabama, 17; Mississippi, 2.
[7] Arkansas, 9 establishments; Louisiana, 26; Oklahoma, 10; Texas, 34.
[8] Montana, 1 establishment; Idaho, 1; Colorado, 17; Utah, 5.
[9] Washington, 24 establishments; Oregon, 12; California, 136.
[10] See footnote 7, Table 4, p. 750.

TABLE 7.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

INDUSTRY AND STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY: Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	Horsepower	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [1]
THE GROUP AS A WHOLE												
United States	2,243	50,881	1,163	16,517	33,201	53,774	$37,493,111	$35,206,911	$401,802	$167,786,065	[2] $472,494,323	$304,708,258
DRUGGISTS' PREPARATIONS												
United States	370	13,844	165	3,994	9,685	12,553	7,943,841	11,078,384	85,716	36,063,719	95,419,824	59,356,105
Alabama	5	27	5	3	19	10	4,190	19,706	----------	85,136	163,191	78,055
California	13	264	5	106	153	110	227,715	194,077	----------	549,474	1,761,647	1,212,173
Colorado	3	15	1	6	8	20	7,634	15,921	----------	24,533	85,243	60,710
Connecticut	7	133	----------	44	89	71	96,674	113,964	----------	954,400	1,342,708	388,308
District of Columbia	4	27	3	5	19	27	13,180	17,836	----------	81,827	162,925	81,098
Illinois	34	703	21	281	401	576	620,461	489,139	51,943	1,526,010	5,056,146	3,530,136
Indiana	11	1,743	5	590	1,148	1,054	935,565	1,241,592	----------	3,512,149	10,737,638	7,225,489
Iowa	12	178	7	64	107	480	146,609	111,462	----------	501,475	989,439	487,964
Kansas	14	94	9	42	43	167	98,803	56,378	939	224,326	398,954	174,628
Kentucky	8	104	5	27	72	124	46,171	57,605	----------	348,467	719,305	370,838
Maine	3	14	2	2	10	2	3,744	6,555	----------	22,667	53,542	30,875
Maryland	6	1,138	3	443	692	827	864,751	552,482	----------	2,585,822	6,986,527	4,400,705
Massachusetts	16	159	6	60	93	107	147,592	88,196	----------	336,784	778,786	442,002
Minnesota	4	42	----------	17	25	15	24,135	23,389	----------	83,782	202,338	118,556
Missouri	26	499	10	169	320	733	302,661	326,080	8,515	1,513,665	3,203,875	1,690,210
Nebraska	10	115	4	38	73	130	66,595	139,658	----------	427,027	733,290	306,263
New Jersey	13	639	8	171	460	512	371,116	432,712	----------	1,525,351	4,281,900	2,756,549
New York	68	2,577	30	772	1,775	2,194	1,567,453	1,994,504	12,586	7,511,292	17,682,954	10,171,662
Ohio	24	596	8	188	400	618	393,953	427,995	9,813	1,703,191	3,923,430	2,220,239
Pennsylvania	35	2,095	12	534	1,549	2,022	1,002,146	1,613,382	----------	4,814,308	13,612,634	8,798,326
Rhode Island	3	23	1	4	18	13	21,910	16,052	----------	52,990	107,414	54,424
South Carolina	3	15	1	4	10	1	5,620	6,895	----------	13,081	33,923	20,842
Tennessee	8	184	4	60	120	72	129,232	89,990	----------	1,060,077	1,928,709	868,632
Texas	8	98	----------	19	79	169	51,569	73,036	----------	315,827	701,635	385,808
Wisconsin	5	48	1	13	34	77	37,848	27,235	----------	157,886	375,039	217,153
All other States [3]	27	2,314	14	332	1,968	2,422	756,514	2,942,543	1,920	6,132,172	19,396,632	13,264,460

See footnotes at end of table

TABLE 7.—GENERAL STATISTICS, BY STATES: 1925—Continued

[See note at head of this table]

INDUSTRY AND STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [1]
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)							
PATENT MEDICINES AND COMPOUNDS												
United States	1,279	23,530	649	8,079	14,802	33,840	$19,387,439	$15,592,017	$176,946	$84,789,647	$247,564,046	$162,774,399
Alabama	9	38	2	19	17	20	43,944	12,008	----------	93,881	284,988	191,107
Arkansas	8	36	6	8	22	10	10,640	20,697	----------	48,789	153,140	104,351
California	76	724	48	239	437	1,981	529,757	493,956	6,890	2,505,750	5,987,385	3,481,635
Colorado	10	42	4	16	22	32	30,223	26,653	----------	111,419	294,799	183,380
Connecticut	11	274	3	83	188	294	154,013	181,594	----------	993,761	3,828,291	2,834,530
District of Columbia	4	48	7	12	29	2	24,380	29,560	----------	43,890	332,929	289,039
Florida	13	95	8	33	54	312	77,596	46,327	725	368,344	746,603	378,259
Georgia	18	270	18	109	143	104	254,525	114,019	90	916,939	3,497,514	2,580,575
Illinois	32	2,827	73	1,243	1,511	4,434	2,808,768	1,631,537	13,026	10,766,939	30,544,826	19,777,887
Indiana	36	608	15	211	382	819	490,543	432,756	----------	1,659,940	5,020,250	3,360,310
Iowa	43	581	31	256	294	1,339	590,506	294,586	----------	1,606,445	4,335,718	2,729,273
Kansas	9	61	11	24	26	23	44,863	24,502	100	85,512	222,018	136,506
Kentucky	13	108	9	29	70	73	72,426	51,312	----------	232,357	770,941	538,584
Louisiana	16	134	7	39	88	56	82,713	51,797	3,600	384,023	1,115,090	731,067
Maine	8	84	5	23	56	106	48,070	55,751	----------	152,794	498,212	345,418
Maryland	29	647	19	227	401	892	596,356	436,091	----------	2,673,941	8,515,775	5,841,834
Massachusetts	53	1,488	20	420	1,048	1,945	974,601	1,095,263	3,439	6,955,675	19,529,310	12,573,635
Michigan	32	1,537	19	433	1,085	1,484	1,160,185	1,283,676	117	4,290,982	12,249,122	7,958,140
Minnesota	35	428	24	166	238	565	353,085	253,364	588	1,514,108	3,437,389	1,923,281
Missouri	91	2,697	70	940	1,687	2,983	1,897,782	1,550,509	47,413	7,257,660	27,543,231	20,285,571
Nebraska	13	99	9	36	54	134	87,278	51,004	----------	210,798	776,008	565,210
New Hampshire	4	10	2	1	7	----------	1,200	9,529	----------	22,682	53,514	30,832
New Jersey	61	1,770	30	404	1,336	4,794	1,035,830	1,435,056	16,291	7,702,041	20,490,328	12,788,287
New York	219	4,336	63	1,428	2,845	5,903	3,899,144	3,287,493	72,907	15,767,503	49,949,662	34,182,159
North Carolina	8	191	2	79	110	63	262,035	80,152	----------	1,525,366	3,052,186	1,526,820
Ohio	93	1,198	42	417	739	1,583	1,088,766	769,407	8,169	5,369,004	14,742,159	9,373,155
Oklahoma	4	27	2	15	10	6	35,123	10,546	----------	97,505	197,006	99,501
Oregon	7	28	3	10	15	44	18,105	15,274	----------	106,901	229,137	122,236
Pennsylvania	99	1,393	33	464	896	1,510	1,389,416	988,572	3,537	6,341,000	14,361,696	8,020,696
Rhode Island	5	36	3	12	21	6	25,223	17,724	----------	77,820	297,848	220,028

South Carolina	4	15	2	5	8	4	14,350	4,848	----------	59,260	109,049	49,789
South Dakota	4	27	----------	6	21	170	14,534	23,271	----------	43,465	152,900	109,435
Tennessee	25	600	22	229	349	1,250	401,129	309,504	----------	1,748,878	5,628,329	3,879,451
Texas	22	158	19	62	77	118	150,397	78,377	54	483,272	1,284,513	801,241
Vermont	10	206	2	70	134	193	102,089	116,932	----------	625,190	1,519,314	894,124
Virginia	14	149	4	57	88	104	153,640	82,420	----------	604,652	1,759,445	1,154,793
Washington	12	65	7	26	32	173	39,237	35,057	----------	317,084	509,996	192,912
Wisconsin	21	185	4	94	87	103	162,979	86,030	----------	386,385	1,115,610	729,225
All other States [4]	8	310	1	134	175	208	261,988	104,863	----------	637,692	2,427,815	1,790,123
PERFUMERY AND COSMETICS												
United States	594	13,507	349	4,444	8,714	7,381	10,161,831	8,536,510	139,140	46,932,699	129,510,453	82,577,754
Alabama	3	37	5	11	21	17	22,550	30,169	----------	80,265	199,930	119,665
California	32	238	29	64	145	140	136,994	188,549	----------	715,679	1,790,949	1,075,270
Colorado	3	7	1	1	5	4	1,821	5,191	----------	9,987	26,923	16,936
Connecticut	6	263	4	79	180	181	164,101	149,799	----------	1,726,362	5,527,844	3,801,482
Georgia	9	77	7	31	39	15	56,363	38,670	----------	152,658	427,775	275,117
Illinois	88	2,061	46	961	1,054	854	1,923,108	1,062,532	832	5,423,519	17,483,306	12,059,787
Indiana	11	278	4	78	196	30	204,048	180,112	----------	598,172	2,196,731	1,598,559
Iowa	9	234	4	112	118	226	149,006	122,984	----------	1,382,527	4,344,548	2,962,021
Kentucky	5	36	1	15	20	7	37,126	21,382	----------	51,517	309,466	257,949
Louisiana	9	83	15	18	50	16	26,319	26,895	----------	106,418	298,292	191,874
Maryland	14	117	8	42	67	26	53,770	56,052	640	367,522	966,904	599,382
Massachusetts	18	152	7	47	98	30	130,777	88,169	----------	418,661	1,260,139	841,478
Michigan	20	498	24	174	300	211	393,782	293,286	120	862,849	2,709,469	1,846,620
Minnesota	17	683	14	251	418	2,019	454,229	399,332	1,844	2,439,317	5,795,071	3,355,754
Missouri	24	548	12	210	326	232	370,963	285,061	----------	799,509	2,832,378	2,032,869
Nebraska	3	17	5	----------	12	3	----------	9,739	----------	45,601	165,703	120,102
New Jersey	19	795	9	212	574	758	762,093	757,413	2,380	3,544,183	8,079,846	4,535,663
New York	195	5,299	89	1,465	3,745	1,513	3,762,830	3,599,507	133,324	20,020,855	53,116,191	33,095,336
Ohio	30	829	16	271	542	550	670,764	574,121	----------	3,791,438	10,655,744	6,864,306
Oklahoma	5	21	2	3	16	18	4,982	15,940	----------	73,458	144,899	71,441
Pennsylvania	33	422	25	143	254	151	319,289	237,589	----------	1,361,342	3,126,687	1,765,345
Tennessee	10	473	10	162	301	207	260,047	164,076	----------	1,744,453	3,774,447	2,029,994
Texas	3	19	1	5	13	2	14,880	14,223	----------	32,474	191,438	158,964
Virginia	4	33	1	14	18	4	36,970	15,468	----------	67,507	237,839	170,332
Washington	8	56	3	16	37	30	70,161	39,139	----------	89,306	600,079	510,773
All other States [5]	16	231	7	59	165	137	134,858	161,112	----------	1,027,120	3,247,855	2,220,735

[1] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[2] See first 3 lines, Table 4, p. 750.
[3] Arkansas, 1 establishment; Georgia, 1; Louisiana, 1; Michigan, 11; Montana, 1; New Hampshire, 1; North Carolina, 1; Oklahoma, 1; Oregon, 1; South Dakota, 1; Utah, 1; Vermont, 1; Virginia, 2; Washington, 1; West Virginia, 2.
[4] Delaware, 2 establishments; Idaho, 1; Mississippi, 1; Utah, 1; West Virginia, 3.
[5] District of Columbia, 1 establishment; Florida, 3; Kansas, 2; Maine, 1; Mississippi, 1; Oregon, 2; Rhode Island, 1; South Dakota, 1; Utah, 1; Wisconsin, 3.

DRUG GRINDING

[A preliminary report for this industry was published under date of August 3, 1926]

Description of the industry.—The establishments classified in this industry are engaged primarily in grinding drugs, charcoal, herbs, gum, licorice, and other roots, etc. The values of products for the industry, as given in the table below, do not, of course, include the values of drugs ground for their own use or for sale by establishments which, because of the character of their principal products, are classified in the "Druggists' preparations," "Patent medicines and compounds," or other industries. (See sec. 12, p. 6.)

State statistics.—In order to avoid disclosing operations of individual establishments it is necessary to withhold from publication the statistics for New Jersey and Missouri, which States rank first and second in importance in the industry, and for all other States except New York, which ranks third. The New York figures are as follows: Number of establishments, 6; proprietors and firm members, 2; salaried officers and employees, 27; wage earners (average number), 68; horsepower, 626; salaries, $55,807; wages, $101,186; cost of materials, $502,474; value of products, $806,411; value added by manufacture, $303,937.

SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	22	[3] 622	[4] $709,903	$11,907	$4,921,118	$8,446,361	$3,525,243	4,389
1923	24	750	893,318	2,559	6,555,193	10,561,580	4,006,387	4,958
1921	28	840	1,005,155	2,944	6,804,453	10,085,691	3,281,238	(5)
1919	31	1,347	1,526,137	111,651	11,556,480	16,937,698	5,381,218	6,725
1914	29	1,059	583,361	35	5,215,287	8,080,118	2,864,831	4,972
	PER CENT OF INCREASE OR DECREASE (−)							
1923–1925	(6)	−17.1	−20.5	365.3	−24.9	−20.0	−12.0	−11.5
1921–1923	(6)	−10.7	−11.1	−13.1	−3.7	4.7	22.1	------
1921–1925	(6)	−26.0	−29.4	304.4	−27.7	−16.3	7.4	------
1914–1925	(6)	−41.3	21.7	(6)	−5.6	4.5	23.1	−11.7

[1] Including also cost of fuel, electric power, containers, and mill supplies.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] In addition, 5 proprietors and firm members, and 184 salaried officers and employees were reported.
[4] Not including salaries, $562,032.
[5] Not called for on schedule.
[6] Not shown where base is less than 100 or where percentage is higher than 1,000.

ESSENTIAL OILS

Description of the industry.—This industry consists in the distillation and refining of natural essential oils and of witch-hazel extract. Essential oils, volatile oils, or essences are distinguished by the possession of strong and characteristic odors and by being vaporizable without decomposition and usually with little or no residue. Outside this industry, and materially affecting its growth, is a large production of synthetic oils and perfumery bases, which are chiefly of coal-tar origin and are classed as chemicals.

Detailed statistics of products.—At previous censuses detailed statistics of products have been published for the essential-oils industry, but it is impossible to publish such statistics for 1925 without disclosing operations of individual establishments, which is prohibited by the census law. It is necessary, therefore, to restrict the presentation of statistics to those given in Tables 1, 2, and 3.

Decrease in number of establishments.—As will be seen by reference to Table 1, the number of establishments in this industry has decreased from census to census. The decline between 1919 and 1921 was due in considerable part to the fact that the industry as constituted in 1919 included 32 establishments with products under $5,000 in value, whereas the 1921 classification excluded these small establishments. (See sec. 10, p. 5.) The decrease from 17 establishments in 1923 to 14 in 1925 was the net result of a loss of 6 establishments and a gain of 3. The loss is accounted for as follows: Out of business, 1; idle, 2; reported as engaged in the manufacture of products other than essential oils and therefore transferred to the appropriate industry, 1; consolidated with other plants, 2.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	* 14	[3] 178	[4] $281,395	--------	$4,362,512	$5,881,689	$1,519,177	1,164
1923	17	170	237,409	$50	2,255,772	3,184,124	928,352	1,388
1921	27	299	363,879	2,282	2,548,439	3,421,690	873,251	(5)
1919	78	321	391,213	2,000	3,903,417	5,698,403	1,794,986	1,833
1914	105	249	133,272	1,500	1,564,835	2,313,606	748,771	[6] 1,959
	PER CENT OF INCREASE OR DECREASE (—)							
1923–1925	(7)	4.7	18.5	--------	93.4	84.7	63.6	—16.1
1921–1923	(7)	—43.1	—34.8	—97.8	—11.5	—6.9	6.3	-------
1921–1925	(7)	—40.5	—22.7	--------	71.2	71.9	74.0	-------
1914–1925	—86.7	—28.5	111.1	--------	178.8	154.2	102.9	—40.6

* Statistics for States can not be shown without disclosing operations of individual establishments. California, 1 establishment; Connecticut, 2; Indiana, 3; Michigan, 3; New Hampshire, 1; New Jersey, 3; New York, 1.

[1] Including also cost of fuel, electric power, and containers.

[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)

[3] In addition, 9 proprietors and firm members and 50 salaried officers and employees were reported.

[4] Not including salaries, $143,661.

[5] Not called for on schedule.

[6] This item differs slightly from the corresponding one published in the report for 1914 because of the exclusion here and the inclusion in the previous report of data for purchased power other than electric (power generated outside the plant and transmitted into the plant by belt, cable, or shaft).

[7] Not computed where base is less than 100.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES: 1919 TO 1925

CENSUS YEAR	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1925 [1]	178	176	184	188	171	170	168	184	202	204	*151*	169	167
1923 [1]	170	159	159	167	164	153	*148*	191	202	179	172	175	176
1921 [1]	299	290	274	269	264	355	341	385	393	317	*231*	232	240
1919 [1]	321	299	299	295	278	*274*	292	360	396	370	340	320	329

[1] Month of maximum employment indicated by bold-faced figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 74; 1923, 73.3; 1921, 58.8; 1919, 69.2.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Horsepower	Number	Horsepower	Number	Horsepower
Prime movers, total	73	1,104	64	1,388	70	1,833
Steam engines	16	893	25	1,210	37	1,512
Steam turbines						
Internal-combustion engines	3	9	5	10	13	129
Water wheels and turbines	1	10	1	10	2	50
Electric motors driven by purchased current	53	252	33	149	18	142
Electric motors, total	77	453	86	581	65	492
Driven by purchased current	53	252	33	149	18	142
Driven by current generated in establishment reporting	24	201	53	432	47	350
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	5	129	(1)	(1)	(1)	(1)

[1] Not called for on schedule.

EXPLOSIVES

[A preliminary report for this industry was issued under date of September 29, 1926]

Description of the industry.—This industry embraces those establishments whose principal products are explosives, not including fireworks, cartridges, detonators, fuses, etc. (Separate reports have been compiled for the "Ammunition" and "Fireworks" industries, the former of which includes the manufacture of cartridges, detonators, and fuses. (See pp. 702 and 773.)

Decrease in number of establishments (Table 1).—The number of establishments classified in this industry has decreased from census to census since 1919. The value of products has shown corresponding decreases except for the year 1923, for which an increase was recorded as compared with 1921, a year of general industrial depression. The decrease from 106 establishments in 1923 to 103 in 1925 was the net result of a loss of 7 establishments and a gain of 4. The loss is accounted for as follows: Out of business, 2; idle, 4; products valued at less than $5,000, 1. (See "Limitation of statistics to establishments reporting products valued at $5,000 or more," sec. 10, p. 5.)

Detailed statistics of products (Table 4).—The so-called "permissible" explosives are those which are approved by the Department of Commerce, Bureau of Mines, as suitable for use in mines where dust and gas explosions are likely to occur.

The bulk of the nitroglycerin manufactured is consumed by the producing establishments in the manufacture of other explosives, principally dynamite, 96.1 per cent of the total production having been thus used in 1925, 96.2 per cent in 1923, 92.1 per cent in 1921, and 85.2 per cent in 1919. The amount received for well shooting has been taken as the value of the nitroglycerin thus consumed.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1925

[Data for establishments with products under $5,000 in value included for 1919 and 1914 but not for subsequent years. See sec. 10, p. 5]

YEAR OR PERIOD	Number of establishments	Wage earners (average number)	Wages	Paid for contract work	Cost of materials [1]	Value of products	Value added by manufacture [2]	Horsepower
1925	103	5,097	$7,731,369	$6,795	$37,877,418	$69,668,837	$31,791,419	37,808
1923	106	6,388	9,112,027	13,012	39,495,972	75,029,127	35,533,155	35,231
1921	109	4,478	6,610,206	----------	30,644,327	59,174,598	28,530,271	(3)
1919	118	9,249	12,504,986	30,542	45,911,049	92,474,813	46,563,764	51,635
1914	111	6,306	4,488,288	7,645	25,626,539	41,432,970	15,806,431	45,778
	PER CENT OF INCREASE OR DECREASE (—)							
1923-1925	—2.8	—10.8	—15.2	—47.8	—4.1	—7.1	—10.5	7.3
1921-1923	—2.8	42.7	37.8	----------	28.9	26.8	24.5	----------
1921-1925	—5.5	27.2	17.0	----------	23.6	17.7	11.4	----------
1914-1925	—7.2	—9.7	72.3	—11.1	47.8	68.1	101.1	—17.4

[1] Including also cost of fuel, electric power, and containers.
[2] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)
[3] Not called for on schedule.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1919 TO 1925, AND FOR SELECTED STATES, 1925

[Some of the States for which no figures are given in this table reported larger numbers of wage earners than some of those for which statistics are shown. See headnote, Table 5, p. 765]

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
		January	February	March	April	May	June
United States:							
1925 [1]	5,697	5,689	5,770	5,742	5,763	5,616	5,631
1923 [1]	6,388	6,098	6,058	6,300	6,519	6,579	6,531
1921 [1]	4,478	5,169	4,682	4,535	4,266	*4,251*	4,470
1919 [1]	9,249	**11,809**	9,903	9,509	8,922	8,721	*8,605*
California	404	393	385	393	417	413	403
Illinois	219	241	234	216	202	202	219
Kansas	62	63	62	62	62	61	62
Kentucky	37	36	38	39	35	37	36
Missouri	512	516	502	508	503	491	515
New Jersey	1,326	1,315	1,338	1,335	1,312	1,315	1,331
New York	46	52	51	53	44	44	45
Ohio	197	197	201	197	186	184	191
Oklahoma	21	21	21	21	21	21	21
Pennsylvania	1,399	1,422	1,482	1,456	1,430	1,425	1,432
Texas	5	5	5	5	5	5	5
West Virginia	50	56	53	51	51	55	54

STATE	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR THE NEAREST REPRESENTATIVE DAY					
	July	August	September	October	November	December
United States:						
1925 [1]	5,760	5,869	5,781	5,760	5,575	*5,374*
1923 [1]	6,552	6,778	6,603	6,456	6,288	*5,891*
1921 [1]	4,457	4,416	4,440	4,472	4,272	4,311
1919 [1]	8,706	8,937	8,994	8,946	8,984	8,952
California	422	445	423	411	381	363
Illinois	238	210	210	213	215	223
Kansas	63	63	62	60	63	61
Kentucky	38	37	38	39	38	38
Missouri	530	552	532	503	525	461
New Jersey	1,388	1,356	1,325	1,318	1,299	1,279
New York	42	43	40	42	44	45
Ohio	191	196	205	206	205	205
Oklahoma	21	21	20	20	20	20
Pennsylvania	1,398	1,406	1,384	1,360	1,337	1,266
Texas	5	5	5	5	5	5
West Virginia	50	45	45	46	46	46

[1] Month of maximum employment indicated by **bold-faced** figures and that of minimum employment by *italic* figures. Per cent which minimum forms of maximum: 1925, 91.6; 1923, 86.9; 1921, 82.2; 1919, 72.9.

TABLE 3.—PRIME MOVERS, GENERATORS, AND MOTORS, BY TYPE, NUMBER, AND RATED CAPACITY, FOR THE UNITED STATES: 1925, 1923, AND 1919

[No data in regard to prime movers were collected for 1921]

TYPE	1925		1923		1919	
	Number	Horsepower	Number	Horsepower	Number	Horsepower
Prime movers, total	1,332	37,808	1,225	35,231	1,431	51,635
Steam engines	196	14,900	230	20,131	293	23,304
Steam turbines	17	6,353			31	10,372
Internal-combustion engines	13	158	7	127	5	40
Water wheels and turbines	8	867	4	476	[1] 44	[1] 1,433
Electric motors driven by purchased current	1,098	15,530	984	14,497	1,058	16,486
Electric motors, total	2,277	29,269	2,046	29,496	2,679	39,305
Driven by purchased current	1,098	15,530	984	14,497	1,058	16,486
Driven by current generated in establishment reporting	1,179	13,739	1,062	14,999	1,621	22,819
		Kilowatts		*Kilowatts*		*Kilowatts*
Electric generators	66	11,584	(2)	(2)	(2)	(2)

[1] Includes data for a small number of water motors.
[2] Not called for on schedule.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1919 TO 1925

	1925	1923	1921	1919
Total value	$69,668,837	$75,029,127	$59,174,598	$92,474,813
Explosives (including consumption in shooting wells), total:				
Pounds	551,188,384	577,245,570	407,384,280	506,138,794
Value	$63,825,757	$68,132,607	$55,753,771	$85,668,226
Dynamite—				
Number of establishments	[1] 28	29	26	27
Pounds	282,310,576	262,290,012	167,258,298	212,529,733
Value	$36,163,905	$35,891,486	$28,457,337	$37,230,704
Average per pound	$0.13	$0.14	$0.17	$0.18
Permissible explosives—				
Number of establishments	[1] 25	24	19	15
Pounds	60,711,877	67,334,759	36,819,189	30,622,923
Value	$7,944,684	$9,389,968	$6,378,988	$5,499,177
Average per pound	$0.13	$0.14	$0.17	$0.18
Nitroglycerin—				
Number of establishments	[1] 64	66	66	70
Reporting nitroglycerin for sale as such	3	3	5	11
Reporting nitroglycerin made and consumed	62	64	64	67
Production, pounds	78,951,184	71,087,865	45,865,308	56,361,210
Sold as such—				
Pounds	373,832	114,037	182,368	714,684
Value	$266,197	$96,160	$160,643	$301,863
Average per pound	$0.71	$0.84	$0.88	$0.42
Consumed in shooting wells, pounds	2,686,158	2,581,743	3,418,814	7,621,915
Received for contract work, shooting wells	$2,011,393	$2,059,472	$3,234,421	$3,434,835
Consumed in works where produced, pounds	75,891,194	68,392,085	42,264,126	48,024,611
Blasting powder—				
Number of establishments	[1] 36	38	42	44
Kegs (25 pounds)	6,437,876	8,433,986	7,340,768	7,406,991
Value	$9,684,228	$13,493,183	$12,544,898	$12,168,473
Average per keg	$1.50	$1.60	$1.71	$1.64
Gunpowder, black—				
Number of establishments	[1] 3	5	5	7
Pounds	1,177,570	2,779,422	990,665	11,730,094
Value	$238,319	$548,235	$227,361	$2,096,579
Average per pound	$0.20	$0.20	$0.23	$0.18
Smokeless powder—				
Number of establishments	[1] 6	6	5	
Pounds	4,053,522	5,150,825	2,526,858	
Value	$2,768,511	$3,593,412	$2,435,517	
Average per pound	$0.68	$0.70	$0.96	
Fuse powder—				
Number of establishments	[1] 6	6	4	57,744,670
Pounds	2,840,150	2,724,300	1,134,475	$24,936,595
Value	$609,437	$532,070	$335,113	
Average per pound	$0.21	$0.20	$0.30	
Other explosives [2]—				
Pounds	36,087,799	23,420,822	11,534,413	
Value	$4,139,083	$2,528,621	$1,979,493	
All other products, value [3]	$5,843,080	$6,896,520	$3,420,827	$6,806,587
CONSUMED IN WORKS WHERE PRODUCED				
Sulphuric acid (basis 50° Baumé) ..... net tons	114,250	107,955	65,986	43,187
Acid recovered and used ..... net tons	33,518	40,723	33,234	41,583
Nitric acid ..... net tons	67,973	61,143	33,727	45,576
Mixed acid ..... net tons	76,244	75,372	41,993	61,345
Nitrate of ammonia ..... net tons	31,119	31,773	18,587	21,627

[1] Distribution by States:
Dynamite, 28: Pennsylvania, 7; Missouri, 4; New Jersey, 3; Alabama, 2; California, 2; Michigan, 2; Washington, 2; Arizona, Colorado, Illinois, New York, Utah, and Wisconsin, 1 each.
Permissible explosives, 25: Pennsylvania, 6; Missouri, 4; New Jersey, 3; Alabama, 2; California, 2; Michigan, 2; Colorado, Illinois, New York, Utah, Washington, and Wisconsin, 1 each.
Nitroglycerin, 64: Pennsylvania, 15; Ohio, 5; Oklahoma, 5; Kentucky, 4; Missouri, 4; New Jersey, 4; West Virginia, 4; Illinois, 3; New York, 3; Texas, 3; Alabama, 2; California, 2; Michigan, 2; Arizona, Colorado, Kansas, Montana, Utah, Washington, Wisconsin, and Wyoming, 1 each.
Blasting powder, 36: Pennsylvania, 8; Illinois, 5; Ohio, 4; Alabama, 2; California, 2; Indiana, 2; Kansas, 2; Tennessee, 2; Arkansas, Colorado, Iowa, Kentucky, Massachusetts, Missouri, Washington, West Virginia, and Wisconsin, 1 each.
Gunpowder, black, 3: Massachusetts, Ohio, and Pennsylvania, 1 each.
Smokeless powder, 6: New Jersey, 3; Massachusetts, Ohio, and Pennsylvania, 1 each.
Fuse powder, 6: California, Massachusetts, New York, Ohio, Pennsylvania, and Washington, 1 each.

[2] Number of establishments, 1925: Nitrostarch, 2 (California and Pennsylvania); trinitrotoluol, 1 (Wisconsin); sodatol, 3 (New Jersey, Washington, and Wisconsin); other explosives, 4 (Washington, 3, and Ohio, 1).

[3] Includes, for 1925, acids, blasting caps, coal-tar derivatives, etc.

TABLE 5.—GENERAL STATISTICS, BY STATES: 1925

[This table presents statistics for all States for which separate figures can be given without disclosing operations of individual establishments. Certain of the "All other States," however, reported larger values of products than some of the States shown separately]

STATE	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY				Horsepower
		Total	Proprietors and firm members	Salaried officers and employees	Wage earners (average number)	
United States	103	6,559	5	[1] 857	5,697	37,808
California	3	480		76	404	3,889
Illinois	7	292		73	219	1,855
Kansas	3	68		6	62	662
Kentucky	5	42		5	37	394
Missouri	5	582		70	512	2,224
New Jersey	5	1,461		135	1,326	6,745
New York	4	55		9	46	540
Ohio	10	227		30	197	2,576
Oklahoma	5	30		9	21	44
Pennsylvania	24	1,614	4	211	1,399	6,528
Texas	3	5			5	34
West Virginia	5	58		8	50	672
All other States [2]	24	1,645	1	225	1,419	11,645

STATE	Salaries	Wages	Paid for contract work	Cost of materials	Value of products	Value added by manufacture [3]
United States	[1] $2,328,219	$7,731,369	$6,795	$37,877,418	$69,668,837	$31,791,419
California	215,365	507,023		3,236,057	5,964,400	2,728,343
Illinois	142,179	263,599	398	1,367,555	2,592,370	1,224,815
Kansas	17,796	85,047		336,019	752,086	416,067
Kentucky	20,900	45,276	888	186,124	330,556	144,432
Missouri	185,967	623,315		4,746,778	8,397,596	3,650,818
New Jersey	359,524	2,008,284		10,087,262	17,149,691	7,062,429
New York	20,700	41,585	1,237	430,886	887,075	456,189
Ohio	136,923	273,838	869	981,604	1,953,619	972,015
Oklahoma	28,440	50,849	718	122,546	509,585	387,039
Pennsylvania	618,180	1,727,954	1,369	6,893,748	12,586,410	5,692,662
Texas		5,375	1,316	33,738	168,708	134,970
West Virginia	21,046	67,947		273,344	658,718	385,374
All other States [2]	561,199	2,031,277		9,181,757	17,718,023	8,536,266

[1] Not including 1,996 salaried officers and employees of central administrative offices, with salaries aggregating $5,136,295. For purposes of comparison with the statistics published for earlier years, these figures should be added to those given in the table, making combined totals of 2,853 salaried officers and employees and $7,464,514. (See "Central-administrative-office employees," p. 1193.)

[2] Alabama, 3 establishments; Arizona, 1; Arkansas, 1; Colorado, 2; Indiana, 2; Iowa, 1; Massachusetts, 1 (represents 4 plants located in the same county); Michigan, 2; Montana, 1; Tennessee, 2; Utah, 1; Washington, 4; Wisconsin, 2; Wyoming, 1.

[3] Value of products less cost of materials. (See secs. 20 and 24, pp. 8 and 9.)