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FOURTEENTH CENSUS OF THE UNITED STATES
MANUFACTURES: 1919

PRINTING AND PUBLISHING

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EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or for which products were valued at less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1910, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some products of this class may be made in establishments in which it is not the product of chief value.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1910 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date did not portray such conditions, an earlier date was requested.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, by sex, without distinction of age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined, because, in view of the variations of date, such a total is not believed to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation.

In order to determine as nearly as possible the age distribution of the average number of wage earners for an industry, the per cent distribution by age of the wage earners for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year to determine the average numbers 16 years and over, and under 16, employed.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calcu-

late accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month, and while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

Prevailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital (amount actually invested).—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the censuses of 1910 and 1900. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except as indicating general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not always a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry, from a manufacturing standpoint, is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of depreciation or interest, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power equipment of the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas, and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable.

PRINTING AND PUBLISHING.

GENERAL STATISTICS.

General character of the industry.—The printing and publishing industry as here presented comprises establishments included under six census classifications, as follows: (1) Job printing, book printing and publishing, or publishing only, and machine composition; (2) music printing and publishing, or publishing only; (3) newspaper and periodical printing and publishing, or publishing only; (4) bookbinding and blank-book making; (5) engraving, steel and copper plate, including plate printing; and (6) lithographing. The first three comprise what is referred to in this publication as the printing and publishing industry proper. It should be stated that an establishment printing and publishing or publishing a newspaper or periodical is classified under newspapers and periodicals, regardless of the fact that the value of its receipts from other sources may be greater. Somewhat similar conditions prevail in the other branches of the industry in which there is more or less overlapping. The value of products, therefore, represents the total receipts of the establishments of these branches, which may not represent the exact totals in accordance with the industry heading.

Comparison with earlier censuses.—Table 1 shows the statistics for the six branches of the printing and publishing industry combined, for five censuses, 1899 to 1919. In all essential features, increases are shown from census to census, except that from 1914 to 1919 there are decreases in number of establishments and proprietors and firm members. The large increases in salaries and wages, cost of materials, and the value of products from 1914 to 1919 are due largely to a general rise of prices and wages following the World War, and can not, therefore, properly be used to measure the growth of the industry during that census period. The addition of the Federal income tax since 1914 will account for the exceptional increase in "Rent and taxes."

Comparative summary.—Table 2 shows the general statistics of each of the six branches of the printing and publishing industry for 1919 and 1914. In this industry, as in many other industries, there are duplications of values. A publisher, for instance, often has the printing or the machine composition done by another establishment in the industry, and this work legitimately becomes part of the value of products of each. These duplications in the three printing and publishing industries proper, to which they apply, may, in part, be secured from Table 14.

Of the three printing and publishing industries proper, only one, book and job, shows an increase in number of establishments for the five-year period 1914–1919. During this five-year period the increase in value of products for book and job printing was

\$290,332,367, or 94.5 per cent. For newspapers and periodicals, the increase in value of products was \$428,246,930, or 86.4 per cent, and for music, \$7,320,911, or 100.7 per cent. In average number of wage earners, for the same five-year period, book and job printing reported the largest absolute increase, 9,884, or 8.7 per cent; as compared with 6,006, or 5.3 per cent, for newspapers and periodicals; and 26, or 3 per cent, for music.

Of the three analogous branches—bookbinding and blank-book making; engraving, steel and copper plate, including plate printing; and lithographing—lithographing reported 44.8 per cent of the total value of products; engraving, steel and copper plate, 14.8 per cent; and bookbinding and blank-book making, 40.4 per cent. Their percentages of increase in value of products over 1914 were 86.9, 75.6, and 73.3 per cent, respectively. These three industries combined, in 1919, reported 9.6 per cent of the total value of products for the six branches combined, as compared with 10.1 per cent in 1914.

Summary, by states.—Table 3 shows, by states, for the six branches of the industry combined, so far as they can be presented without disclosing individual operations, the average number of wage earners, value of products, and value added by manufacture, with per cent distribution and rank for 1919. The states in this table are ranked by value of products, which is not always conclusive as indicating their real importance. Their ranking in many instances would change materially if based upon average number of wage earners or value added by manufacture. The total value of products for the nine states included as "All other states" represented only 1 per cent of the total value of products for all states in the industry in 1919.

Persons engaged in the industry.—All branches of the industry combined are shown in Table 4, by persons engaged, according to occupation and sex, and by age, for wage earners. The decrease in proprietors and firm members from 1914 to 1919 naturally follows the reduction in number of establishments shown in other tables and the increase in corporations. The increase in salaried officers of corporations likewise is in harmony with the increase in number of corporations, shown in Table 9. The decrease in percentage of male and increase of female wage earners appears to be one of the effects of the World War.

In 1919 as compared with 1914, while there was an actual increase of 5.6 per cent in the average number of wage earners, their relative proportion to all classes decreased 2 per cent. Clerks and other subordinate salaried employees increased 16.7 per cent, while proprietors and officials increased 10.3 per cent.

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Wage earners, by months.—Table 5 shows the statistics for wage earners, by months, for all branches combined, and for each of the six branches, 1919 and 1914, and by states, 1919. The table also shows for 1919 the number of males and females for all branches of the industry combined and for each branch separately, and the number of females in certain states in which a comparatively large number of female wage earners were employed.

Prevailing hours of labor.—Table 6 presents the classification of wage earners by number of hours worked per week, in each of the six branches of the industry, and separately for the states, 1919 and 1914. This table shows a marked shortening of the working day for the industry since 1914. In that year only 68.6 per cent of the wage earners were reported in the group "48 and under" as against 86.8 per cent in 1919. In 1914 the groups "Between 48 and 54," "54," and "Between 54 and 60" constituted 29.6 per cent, and the groups "60" and "Over 60," 1.8 per cent of the total number of wage earners, as compared with 12.4 per cent and eight-tenths of 1 per cent, respectively, for 1919. The same general conditions of the shortening of the hours of labor in 1919 as compared with 1914 are evidenced for the separate states.

Size of establishments, by average number of wage earners.—Table 7 gives the size of establishments, by average number of wage earners, for the six branches of the industry separately, and for all branches combined for 1919 and 1914, and by states for 1919. The statistics in this table emphasize the predominance of the number of small establishments, when based on the number of wage earners employed. In 1919, for instance, of the total number of establishments in the printing and publishing industry as a whole, 98.6 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed 61.5 per cent of the total number of wage earners. The establishments in the industry employing an average of more than 100 wage earners represented only 1.4 per cent of the total number of establishments, but reported 38.5 per cent of the total number of wage earners.

Size of establishments, by value of products.—Table 8 presents the statistics for all branches of the industry combined, and separately for each of the six branches, as to the number of establishments in the several classes by value of products, 1919 and 1914. The figures strikingly illustrate the fact that the number of establishments of itself is no real index of their importance to the industry.

Character of ownership.—Table 9 shows the character of ownership for the industry as a whole, and for each of the six branches, 1919 and 1914, and by states for 1919. This table illustrates the preponderance of corporate ownership. Although corporations owned but 27.5 per cent of the number of establishments in the combined industry, they reported 74.9 per cent of the average number of wage earners and 80 per cent of value of products. During the five-year period 1914-1919, the average number of wage earners, as reported by corporations, increased 26,208, or 13.9 per cent, and the value of products \$672,967,256, or 98 per cent. Similar conditions prevailed in practically all branches of the industry.

Number and horsepower of types of prime movers.—Table 10 shows, for the industry as a whole, the total number and horsepower of the several types of prime movers used in the industry in 1919, 1914, and 1909. The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 32,913 horsepower, or 10 per cent. This increase is due to the gain of 54,596 horsepower, or 22.5 per cent, in rented power, since owned power decreased 21,683 horsepower, or 25.1 per cent, during the five-year period. Of the total horsepower in 1914, 26.2 per cent was owned power and 73.8 per cent rented. The corresponding proportions for 1919 were 17.9 per cent and 82.1 per cent, respectively.

Fuel consumed.—Table 11 shows the principal kinds and the quantities of fuel used in the combined industry, by states, for 1919 and 1914. The most marked increase during the five-year period was in oils, 49,105 barrels, or 92.9 per cent, several states showing a decrease in the use of coal with an increase in oil.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1890.

	1919	1914	1909	1904	1890	PER CENT OF INCREASE: ¹			
						1914-1919	1909-1914	1904-1909	1890-1904
Number of establishments.....	32,476	33,471	31,445	27,703	23,614	-3.0	6.4	13.1	16.7
Persons engaged.....	485,822	419,313	388,466	316,047	261,440	8.0	7.9	22.9	20.9
Proprietors and firm members.....	28,403	31,041	30,424	28,308	25,495	-8.2	2.0	7.2	11.3
Salaried employees.....	140,051	116,180	99,608	88,592	40,685	21.4	16.6	45.2	68.6
Wage earners (average number).....	287,278	272,002	268,434	219,087	195,260	5.0	5.3	18.0	12.2
Primary horsepower.....	302,123	320,210	297,763	160,380	119,775	10.0	10.9	79.0	38.9
Capital.....	\$1,150,505,247	\$720,231,054	\$588,345,708	\$432,853,984	\$333,003,432	59.7	22.4	35.9	30.0
Salaries and wages.....	503,584,011	333,007,204	28,086,431	194,044,287	139,291,335	69.3	24.2	37.5	40.0
Salaries.....	232,004,588	137,396,036	103,458,261	87,748,288	39,475,220	68.9	32.8	52.7	71.6
Wages.....	331,510,423	195,610,358	104,628,180	127,105,080	99,816,115	69.6	18.8	29.4	27.4
Paid for contract work.....	87,087,115	41,532,001	36,384,360	28,880,362	19,235,938	111.1	14.2	26.0	50.1
Rent and taxes.....	56,404,238	24,291,103	16,347,981	12,123,388	10,383,485	132.4	48.6	34.8	16.8
Cost of materials.....	571,510,277	257,847,076	201,774,500	142,614,182	103,064,284	121.6	27.8	41.6	57.5
Value of products.....	1,609,789,220	901,634,801	737,870,087	552,473,353	395,186,620	88.5	22.2	33.6	39.8
Value added by manufacture ²	1,128,278,052	643,086,825	536,101,407	400,959,171	201,532,345	75.3	20.1	30.8	40.6

¹ A minus sign (—) denotes decrease.² Exclusive of internal revenue.³ Value of products less cost of materials.

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**TABLE 2.—COMPARATIVE SUMMARY FOR THE COMBINED INDUSTRY AND EACH OF THE SIX BRANCHES:
1919 AND 1914.**

	TOTAL FOR INDUSTRY.			ESTABLISHMENTS ENGAGED PRIMARILY IN—					
				Printing and publishing, book and job.			Printing and publishing, music.		
	1919	1914	Per cent of in- crease, ¹ 1914- 1919.	1919	1914	Per cent of in- crease, ¹ 1914- 1919.	1919	1914	Per cent of in- crease, ¹ 1914- 1919.
Number of establishments.....	32,476	33,471	-3.0	13,089	12,115	8.0	160	180	-11.1
Persons engaged.....	455,822	419,313	8.0	171,199	152,908	12.0	2,622	2,182	20.2
Proprietors and firm members.....	28,493	31,041	-8.2	12,185	11,717	4.0	107	146	-26.7
Salaried employees.....	140,051	116,180	21.4	36,009	28,070	25.3	1,618	1,163	39.0
Wage earners (average number).....	287,278	272,092	5.6	123,005	113,121	8.7	899	873	3.0
Primary horsepower.....	382,123	329,210	10.0	131,961	115,233	14.5	634	594	6.7
Capital.....	\$1,150,505,247	\$720,231,654	59.7	\$405,554,084	\$247,282,409	64.0	\$8,006,122	\$4,260,844	87.9
Salaries and wages.....	563,584,011	332,907,294	69.3	207,196,883	113,419,236	82.7	3,974,228	1,903,872	108.7
Salaries.....	232,004,588	137,398,036	68.9	65,720,640	35,005,536	87.7	3,047,240	1,330,887	129.0
Wages.....	331,510,423	195,510,358	69.6	141,476,243	78,413,700	80.4	926,988	572,985	61.8
Paid for contract work.....	87,687,115	41,532,001	111.1	32,263,303	17,658,478	82.6	2,713,899	1,561,812	73.8
Rent and taxes.....	56,404,238	24,291,193	132.4	19,853,046	10,278,667	93.1	642,249	246,945	160.1
Cost of materials.....	571,510,277	257,847,976	121.6	211,067,174	98,453,232	118.8	2,123,781	1,046,630	102.9
Value of products.....	1,099,789,229	901,534,801	88.5	597,063,228	307,330,861	94.5	14,592,177	7,271,266	100.7
Value added by manufacture ²	1,128,278,052	643,680,825	75.3	388,596,054	210,877,029	83.3	12,468,396	6,224,636	100.3

	ESTABLISHMENTS ENGAGED PRIMARILY IN—								
	Printing and publishing, news- papers and periodicals.			Bookbinding and blank-book making.		Engraving, steel and copper plate, including plate printing.	Lithographing.		
	1919	1914	Per cent of in- crease, ¹ 1914- 1919.	1919	1914	Per cent of in- crease, ¹ 1914- 1919.	1919	1914	Per cent of in- crease, ¹ 1914- 1919.
Number of establishments.....	17,362	19,317	-10.1	1,113	1,124	-1.0	421	399	5.5
Persons engaged.....	228,030	212,000	7.8	25,287	25,633	-1.3	8,779	8,521	3.0
Proprietors and firm members.....	14,570	17,560	-17.0	1,111	1,078	3.1	370	369	0.3
Salaried employees.....	93,679	80,045	17.0	3,815	2,862	33.3	1,395	1,293	7.9
Wage earners (average number).....	120,881	114,375	5.8	20,361	21,693	-6.1	7,014	6,859	2.3
Primary horsepower.....	194,361	181,280	7.2	11,123	11,266	-1.3	5,420	5,670	-4.4
Capital.....	\$614,045,344	\$384,744,761	59.6	\$43,041,207	\$20,179,790	47.5	\$10,040,260	\$10,078,545	-4.2
Salaries and wages.....	288,198,701	170,580,971	60.5	26,112,733	15,026,590	73.8	10,787,426	6,404,409	68.4
Salaries.....	143,850,528	91,019,723	58.0	7,453,912	3,451,867	115.9	2,879,317	1,877,725	53.3
Wages.....	144,348,173	88,501,248	63.0	18,658,821	11,574,723	61.2	7,008,109	4,526,684	74.7
Paid for contract work.....	50,770,040	20,960,718	142.2	452,225	381,087	18.7	138,215	267,207	-48.3
Rent and taxes.....	30,201,082	10,816,270	179.2	2,501,268	1,372,860	82.2	471,509	83.6	2,400,403
Cost of materials.....	300,85,187	120,082,218	132.7	23,235,171	13,334,207	74.3	6,980,747	3,914,508	78.3
Value of products.....	924,152,878	495,905,948	86.4	66,020,677	38,104,368	73.3	24,209,154	13,788,385	75.6
Value added by manufacture ²	623,707,091	306,823,730	70.0	42,785,508	24,770,161	72.7	17,228,407	8,871,877	74.5

¹ A minus sign (-) denotes decrease.

² Value of products less cost of materials.

TABLE 3.—PRINCIPAL STATES, RANKED BY VALUE OF PRODUCTS—ALL BRANCHES COMBINED: 1919.

STATE.	Number of estab- lish- ments.	WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
		Average number.	Per cent distribu- tion.	Rank.	Amount (expressed in thousands).	Per cent distribu- tion.	Rank.	Amount (expressed in thousands).	Percent distribu- tion.	Rank.
United States.....	32,476	287,278	100.0	.....	\$1,699,789	100.0	.....	\$1,128,279	100.0	.....
New York.....	4,831	67,491	23.5	1	478,898	28.2	1	326,371	28.9	1
Illinois.....	2,647	36,537	12.7	2	219,331	12.9	2	140,023	12.4	2
Pennsylvania.....	2,457	26,456	9.2	3	165,344	9.7	3	104,322	9.3	3
Ohio.....	1,780	19,174	6.7	4	112,029	6.6	4	73,712	6.5	4
Massachusetts.....	1,327	18,247	6.3	5	104,551	6.2	5	69,845	6.2	5
California.....	1,504	10,047	3.5	7	61,815	3.6	6	41,476	3.7	6
Missouri.....	1,310	11,465	4.0	6	61,250	3.6	7	38,118	3.4	7
Michigan.....	1,015	7,880	2.7	8	46,829	2.8	8	31,293	2.8	8
Minnesota.....	1,003	6,319	2.2	10	33,480	2.0	9	23,127	2.0	9
Texas.....	1,087	5,504	1.9	12	32,687	1.9	10	21,561	1.9	10
Indiana.....	865	6,772	2.4	9	30,612	1.8	11	20,504	1.8	11
Iowa.....	907	4,808	1.7	14	26,806	1.6	12	18,955	1.7	12
Wisconsin.....	842	5,838	2.0	11	26,467	1.6	13	17,377	1.5	13
New Jersey.....	772	5,356	1.9	13	24,218	1.4	14	15,567	1.4	14
Maryland.....	385	4,301	1.5	15	28,833	1.4	15	14,720	1.3	15
Washington.....	669	2,453	0.8	23	17,349	1.0	16	12,706	1.1	16
District of Columbia.....	2,154	0.7	25		16,859	1.0	17	12,311	1.1	17
Tennessee.....	186	2,687	1.0	18	15,833	0.9	18	10,361	0.9	19
Nebraska.....	694	2,581	0.9	22	15,322	0.9	19	10,374	0.9	18
Georgia.....	418	2,844	1.0	19	14,130	0.8	20	8,908	0.8	21

MANUFACTURES.

TABLE 3.—PRINCIPAL STATES, RANKED BY VALUE OF PRODUCTS—ALL BRANCHES COMBINED: 1919—Continued.

STATE.	Number of establish- ments.	WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
		Average number.	Per cent distribution.	Rank.	Amount (expressed in thousands).	Per cent distribution.	Rank.	Amount (expressed in thousands).	Per cent distribution.	Rank.
Connecticut.....	412	3,021	1.1	17	\$14,036	0.8	21	\$9,496	0.8	20
Virginia.....	380	2,710	0.9	21	13,162	0.8	22	8,626	0.8	22
Kansas.....	738	3,043	1.0	16	12,717	0.7	23	7,696	0.7	25
Colorado.....	464	2,306	0.8	24	12,613	0.7	24	8,449	0.7	23
Kentucky.....	373	2,850	1.0	20	11,735	0.7	25	8,121	0.7	24
Oklahoma.....	510	1,931	0.7	26	10,241	0.6	26	7,193	0.6	26
Oregon.....	358	1,595	0.6	30	10,155	0.6	27	7,140	0.6	27
Louisiana.....	270	1,581	0.6	31	8,110	0.5	28	5,029	0.5	29
Rhode Island.....	155	1,650	0.6	27	7,326	0.4	29	5,108	0.5	28
Alabama.....	237	1,253	0.4	33	7,288	0.4	30	4,907	0.4	30
North Carolina.....	319	1,608	0.6	28	6,404	0.4	31	4,371	0.4	31
Maine.....	175	1,599	0.6	29	5,032	0.3	32	3,531	0.3	33
Florida.....	237	1,172	0.4	36	5,018	0.3	33	3,911	0.3	32
West Virginia.....	222	1,339	0.5	32	4,837	0.3	34	3,255	0.3	36
Montana.....	247	1,011	0.4	38	4,763	0.3	35	3,436	0.3	34
Arkansas.....	294	1,102	0.4	36	4,747	0.3	36	3,300	0.3	35
Utah.....	166	1,218	0.4	34	4,581	0.3	37	3,165	0.3	37
South Carolina.....	174	1,022	0.4	37	4,005	0.2	38	2,801	0.2	39
South Dakota.....	358	766	0.3	40	3,882	0.2	39	2,900	0.3	38
North Dakota.....	318	660	0.2	41	3,225	0.2	40	2,374	0.2	40
All other states.....	904	4,508	1.0	.....	16,709	1.0	.....	11,939	1.1	.....

TABLE 4.—PERSONS ENGAGED IN THE INDUSTRY: 1919, 1914, AND 1909.

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	455,822	335,063	120,159	73.6	26.4	Clerks and other subordinate salaried employees.	1919	110,380	62,338	48,042	50.5	43.5
	1914	419,313	325,983	93,330	77.7	22.3		1914	94,510	62,430	32,074	66.1	33.9
	1909	388,466	301,081	86,785	77.7	22.3		1909	80,700	51,905	25,795	68.0	32.0
Proprietors and officials.....	1919	58,164	54,006	3,558	93.9	0.1	Wage earners (average number)...	1919	287,278	218,719	68,559	76.1	23.9
	1914	52,711	50,236	2,475	95.3	4.7		1914	272,002	213,311	58,781	78.4	21.6
	1909	49,332	47,951	1,081	96.0	4.0		1909	258,334	199,425	59,009	77.2	22.8
Proprietors and firm members	1919	28,493	26,941	1,552	94.6	5.4	16 years of age and over.....	1919	278,990	211,939	67,051	76.0	24.0
	1914	31,041	29,407	1,574	94.9	5.1		1914	265,860	208,053	57,807	78.3	21.7
	1909	30,424	29,130	1,294	95.7	4.3		1909	252,101	194,175	57,926	77.0	23.0
Salaried officers of corporations	1919	11,523	10,805	718	93.8	6.2	Under 16 years of age.....	1919	8,288	6,780	1,508	81.8	18.2
	1914	9,000	8,628	472	94.8	5.2		1914	6,232	5,258	974	84.4	15.6
	1909	7,265	6,952	313	95.7	4.3		1909	6,333	5,250	1,083	82.9	17.1
Superintendents and managers	1919	18,148	16,800	1,288	92.9	7.1		1919	121,000	124,512	133,741	89.1	
	1914	12,670	12,241	420	96.6	3.4		1914	91,866	89,483	99,483	88.9	
	1909	11,643	11,200	374	96.8	3.2		1909	31,504	32,046	34,288	88.9	

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES AND EACH OF THE SIX BRANCHES OF THE INDUSTRY, 1919 AND 1914; AND FOR COMBINED INDUSTRIES, FOR STATES: 1919.

[The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

INDUSTRY, SEX, AND STATE.	Aver- age num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THIS MONTH OR NEAREST REPRESENTATIVE DAY.											Per cent mini- mum is of max- imum.	
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	
United States:														
1919.....	287,278	276,442	278,620	281,013	281,401	283,046	285,243	288,110	291,220	293,648	287,446	293,783	307,232	90.0
Males.....	218,719	200,018	211,220	212,077	214,274	215,894	218,242	220,147	222,802	224,740	218,248	222,734	233,720	89.7
Females.....	68,559	66,844	67,304	68,066	67,217	67,152	67,001	67,000	68,424	68,002	69,198	71,049	73,512	90.9
1914.....	272,092	274,510	276,026	276,848	273,901	272,007	271,313	267,025	266,842	269,842	271,009	271,598	272,724	95.4
Printing and publishing, book and job:														
1919.....	123,005	119,117	110,993	120,204	120,206	120,515	121,811	123,230	125,111	126,470	121,000	124,512	133,741	89.1
Males.....	91,544	88,480	88,910	89,080	89,518	90,069	91,107	92,198	93,752	94,623	89,436	91,866	99,483	88.9
Females.....	31,401	30,637	31,077	31,214	30,748	30,446	30,704	31,032	31,350	31,847	31,504	32,046	34,288	88.9
1914.....	113,121	114,868	115,215	116,406	114,034	113,221	112,223	110,463	110,475	111,999	112,852	112,726	112,890	91.8
Printing and publishing, music:														
1919.....	809	840	803	850	890	909	920	897	892	902	919	950	956	87.9
Males.....	714	661	675	668	692	718	738	725	721	732	740	755	763	87.2
Females.....	185	179	188	192	198	191	182	172	171	170	170	195	203	83.7
1914.....	873	893	890	901	887	876	850	846	840	873	877	884	852	93.8
Printing and publishing, newspapers and periodicals:														
1919.....	120,381	116,086	116,902	118,540	118,724	119,708	120,078	120,617	121,511	122,270	121,215	123,000	125,907	92.0
Males.....	90,572	95,390	96,304	97,530	97,981	98,000	99,029	100,706	101,635	102,522	100,522	102,000	104,375	91.4
Females.....	20,809	20,630	20,598	21,019	20,743	20,838	20,449	20,821	20,781	20,644	20,603	21,000	21,592	94.7
1914.....	114,375	114,402	114,405	114,838	114,812	114,842	114,145	112,555	112,604	113,694	115,041	115,248	115,834	97.1

PRINTING AND PUBLISHING.

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TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES AND EACH OF THE SIX BRANCHES OF THE INDUSTRY, 1919 AND 1914; AND FOR COMBINED INDUSTRIES, FOR STATES: 1919—Continued.

[The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY, SEX, AND STATE.	Aver-age number em-ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August.	Septem-ber.	Octo-ber.	Novem-ber.	Decem-ber.	
Bookbinding and blank-book making:														
1919	20,361	19,354	19,565	19,858	19,789	19,756	20,016	20,488	20,734	20,773	20,845	21,379	21,775	88.9
Males	10,195	<i>9,491</i>	9,670	9,840	9,888	9,808	10,096	10,345	10,409	10,521	10,483	10,763	11,028	86.1
Females	10,166	<i>9,893</i>	9,895	10,018	9,901	9,950	9,920	10,143	10,325	10,252	10,362	10,616	10,747	91.8
1914	21,693	22,106	22,311	22,536	22,059	21,708	21,781	21,853	21,272	21,376	21,191	20,878	21,147	92.6
Engraving, steel and copper plate, in-cluding plate printing:														
1919	7,014	6,402	6,551	6,530	6,776	6,927	6,998	7,040	6,978	7,103	7,288	7,572	7,943	81.4
Males	4,273	<i>3,306</i>	4,030	4,044	4,152	4,219	4,299	4,363	4,332	4,272	4,299	4,447	4,723	84.6
Females	2,741	<i>2,466</i>	2,521	2,486	2,624	2,708	2,699	2,677	2,646	2,731	2,939	3,125	3,220	76.6
1914	6,859	7,020	6,977	6,917	6,951	7,022	6,971	6,710	6,624	6,724	6,761	6,704	6,927	94.3
Lithographing:														
1919	15,618	14,743	14,740	14,962	15,046	15,141	15,420	15,844	16,000	16,121	16,179	16,364	16,850	87.5
Males	12,421	<i>11,694</i>	11,631	11,825	12,043	12,122	12,373	12,720	12,858	12,863	12,768	12,807	13,358	86.8
Females	3,197	<i>3,149</i>	3,115	3,137	3,003	3,019	3,047	3,124	3,142	3,258	3,411	3,467	3,492	86.0
1914	15,171	15,080	15,039	15,160	15,178	15,240	15,343	15,209	15,208	15,176	15,187	15,158	15,074	98.0
Alabama.....	1,253	1,173	1,219	1,227	1,263	1,258	1,231	1,242	1,244	1,285	1,290	1,294	1,320	88.9
Arizona.....	518	<i>501</i>	507	505	504	512	510	520	514	519	534	558	552	90.8
Arkansas.....	1,110	<i>1,045</i>	1,074	1,032	1,074	1,098	1,099	1,108	1,118	1,137	1,146	1,198	1,161	87.2
California.....	10,047	<i>9,622</i>	9,650	9,677	9,679	9,764	9,910	10,041	10,134	10,119	10,401	10,782	10,855	87.7
Colorado.....	2,306	<i>2,230</i>	2,216	2,255	2,277	2,315	2,293	2,325	2,340	2,216	2,361	2,411	2,433	91.1
Connecticut.....	3,068	2,902	2,952	2,981	3,016	3,045	3,045	3,037	3,048	3,083	3,177	3,244	3,286	88.3
Delaware.....	381	<i>336</i>	370	377	378	381	373	376	378	393	392	392	397	91.9
District of Columbia.....	2,154	<i>1,992</i>	2,056	2,121	2,120	2,099	2,166	2,167	2,137	2,128	2,223	2,302	2,337	85.2
Florida.....	1,172	<i>1,171</i>	1,171	1,162	1,158	1,120	1,131	<i>1,118</i>	1,140	1,144	1,190	1,242	1,317	84.0
Georgia.....	2,895	<i>2,777</i>	2,778	2,825	2,803	2,814	2,851	2,847	2,889	2,902	3,024	3,041	3,099	89.6
Idaho.....	438	<i>404</i>	410	408	437	437	440	433	434	450	451	470	487	82.8
Illinois.....	36,637	<i>35,637</i>	35,933	35,582	34,830	35,094	35,524	36,528	37,592	37,705	37,055	37,941	38,980	89.4
Indiana.....	6,772	<i>6,378</i>	6,533	6,551	6,643	6,696	6,796	6,845	6,900	7,013	6,092	7,004	90.9	
Iowa.....	4,831	<i>4,674</i>	4,644	4,708	4,716	4,699	4,709	4,756	4,773	4,714	5,084	5,174	5,421	84.4
Kansas.....	3,055	<i>2,906</i>	3,000	3,015	3,012	3,031	3,025	3,034	3,035	3,073	3,117	3,150	3,202	92.6
Kentucky.....	2,882	2,906	2,925	2,953	2,969	2,608	2,647	2,669	2,716	3,033	3,022	3,053	3,083	84.6
Louisiana.....	1,583	<i>1,493</i>	1,497	1,515	1,534	1,567	1,578	1,580	1,603	1,611	1,653	1,670	1,695	88.1
Maine.....	1,600	<i>1,630</i>	1,619	1,664	1,642	1,598	1,587	1,553	1,500	1,532	1,561	1,621	1,603	90.1
Maryland.....	4,391	<i>4,336</i>	4,311	4,304	<i>4,298</i>	4,313	4,303	4,347	4,406	4,432	4,471	4,553	4,620	93.0
Massachusetts.....	18,247	<i>17,209</i>	17,433	17,678	17,930	18,154	18,253	18,188	18,101	18,392	18,921	19,274	19,381	88.8
Michigan.....	7,899	<i>7,472</i>	7,602	7,606	7,648	7,662	7,715	7,826	7,935	8,146	8,275	8,355	8,546	87.4
Minnesota.....	6,352	<i>6,076</i>	6,174	6,193	6,260	6,276	6,250	6,256	6,342	6,402	6,533	6,656	6,761	89.9
Mississippi.....	695	<i>678</i>	581	578	588	585	593	595	595	595	611	622	623	92.5
Missouri.....	11,465	<i>10,773</i>	11,021	11,159	11,183	11,137	11,291	11,336	11,438	11,525	11,804	12,261	12,562	85.8
Montana.....	1,011	<i>991</i>	976	990	1,012	1,010	1,017	1,025	1,010	1,013	1,023	1,047	1,028	93.2
Nebraska.....	2,531	<i>2,383</i>	2,412	2,442	2,475	2,504	2,522	2,475	2,521	2,582	2,611	2,706	2,739	87.0
Nevada.....	130	<i>127</i>	120	129	132	132	132	133	129	130	133	126	134	94.0
New Hampshire.....	862	<i>828</i>	848	858	862	872	849	842	834	860	869	896	931	88.4
New Jersey.....	5,356	<i>5,194</i>	5,291	5,316	5,220	5,352	5,394	5,265	5,189	5,245	5,519	5,491	5,798	89.5
New Mexico.....	287	<i>277</i>	291	288	281	280	280	288	292	292	292	289	294	94.2
New York.....	67,401	<i>65,880</i>	66,512	67,048	67,895	68,174	68,353	69,251	69,986	70,651	60,550	62,574	72,373	83.7
North Carolina.....	1,017	<i>1,585</i>	<i>1,571</i>	1,576	1,588	1,587	1,608	1,611	1,629	1,643	1,653	1,677	1,678	93.6
North Dakota.....	600	<i>632</i>	<i>631</i>	637	645	655	672	668	677	672	674	684	698	90.4
Ohio.....	10,174	<i>17,849</i>	17,931	18,225	18,507	18,712	19,003	19,344	19,542	19,504	19,997	20,568	20,798	85.8
Oklahoma.....	1,931	<i>1,831</i>	1,852	1,866	1,885	1,889	1,924	1,966	2,010	2,017	2,030	2,017	2,027	90.5
Oregon.....	1,505	<i>1,535</i>	<i>1,526</i>	1,531	1,559	1,589	1,586	1,578	1,593	1,599	1,640	1,675	1,724	88.5
Pennsylvania.....	20,456	<i>20,306</i>	<i>20,388</i>	20,780	20,517	20,922	20,247	20,371	20,701	20,984	20,319	20,659	20,693	91.7
Rhode Island.....	1,050	<i>1,555</i>	<i>1,547</i>	1,580	1,581	1,607	1,645	<i>1,640</i>	1,625	1,676	1,718	1,766	1,860	83.2
South Carolina.....	1,025	<i>984</i>	996	996	1,004	1,010	1,017	1,029	1,029	1,047	1,055	1,068	1,075	91.5
South Dakota.....	700	<i>739</i>	730	742	740	739	746	752	759	767	813	830	835	87.4
Tennessee.....	3,000	<i>2,782</i>	2,845	2,854	2,959	2,995	3,023	3,004	3,030	3,107	3,136	3,175	3,198	87.0
Texas.....	5,504	<i>5,318</i>	5,304	5,383	5,408	5,416	5,505	5,641	5,707	5,609	5,903	5,984	5,927	
Utah.....	1,258	<i>1,234</i>	1,235	1,236	1,252	1,262	1,247	1,229	1,245	1,256	1,282	1,306	1,312	93.7
Vermont.....	616	<i>608</i>	610	<i>606</i>	609	610	610	608	621	624	628	632	635	95.4
Virginia.....	2,829	<i>2,706</i>	2,807	2,826	2,748	2,756	2,770	2,822	2,839	2,860	2,888	2,915	2,932	93.7
Washington.....	2,463	<i>2,393</i>	2,321	2,340	2,428	2,444	2,454	2,427	2,475	<i>2,511</i>	2,536	2,580	2,727	84.7
West Virginia.....	1,354	<i>1,309</i>	1,304	1,326	1,322	1,357	1,378	1,367	1,371	1,373	1,363	1,392	1,381	93.7
Wisconsin.....	5,838	<i>6,481</i>	5,529	5,679	5,614	5,694	5,741	5,881	5,988	5,974	6,146	6,228	6,371	85.1
Wyoming.....	234	<i>208</i>	204	212	216	221	226	239	251	254	248	261	268	76.1
<i>States showing a large proportion of females.</i>														
Connecticut.....	646	<i>626</i>	624	631	639	644	637	<i>619</i>	625	644	675	684	704	21.1
District of Columbia.....	475	<i>471</i>	480	<i>493</i>	486	471	473	491	469	443	466	469	488	22.1
Georgia.....	594	<i>529</i>	536	552	562	542	543	544	540	565	573	566	586	19.1
Illinois.....	8,943	<i>8,874</i>	8											

MANUFACTURES.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR EACH OF THE SIX BRANCHES OF THE INDUSTRY AND FOR THE COMBINED INDUSTRY, FOR STATES: 1919 AND 1914.

INDUSTRY AND STATE.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—									INDUSTRY AND STATE.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—									
			44 and under	Between 44 and 48	48 ¹	Between 48 and 54	54	Between 54 and 60	60	Over 60	44 and under				48 ¹	Between 48 and 54	54	Between 54 and 60	60	Over 60				
			United States.	1919	287,278	24,274	8,952	216,138	20,179	10,504	5,003	1,841	387	Minnesota.....	1919	6,352	404	595	4,661	353	298	12	28	
Printing and publishing, book and job.	1919	123,005	8,500	2,927	98,259	10,453	2,048	407	241	110	10,504	334	1914	6,134	(2)	595	4,661	353	298	12	28	1	22	
Printing and publishing, book and job.	1914	113,121	(2)	(2)	80,023	10,145	12,093	1,293	540	18	10,504	334	1914	6,134	(2)	3,442	1,630	795	64	172	12	28	1	22
Printing and publishing, music.	1919	899	12	-----	804	14	1	8	-----	-----	10,504	334	Mississippi.....	1919	595	0	-----	398	11	75	18	84	3	-----
Printing and publishing, music.	1914	873	(2)	(2)	95	676	60	39	3	-----	10,504	334	Mississippi.....	1914	673	(2)	(2)	300	21	157	18	84	3	-----
Printing and publishing, newspapers and periodicals.	1919	120,381	12,573	4,080	83,490	6,074	7,043	4,225	1,497	274	10,504	334	Missouri.....	1919	11,465	1,206	493	8,171	846	574	24	84	7	-----
Printing and publishing, newspapers and periodicals.	1914	114,375	(2)	(2)	80,130	7,077	17,057	5,139	3,765	307	10,504	334	Missouri.....	1914	10,571	(2)	(2)	7,550	1,358	1,283	155	212	13	-----
Bookbinding and blank-book making.	1919	20,361	2,040	440	15,033	1,789	683	202	93	3	10,504	334	Montana.....	1919	1,011	4	94	688	143	15	59	8	-----	
Bookbinding and blank-book making.	1914	21,693	(2)	(2)	9,195	5,814	5,033	1,593	-----	-----	10,504	334	Montana.....	1914	902	(2)	(2)	713	28	98	59	4	-----	
Engraving, steel and copper plate, including plate printing.	1919	7,014	940	400	4,932	500	112	25	-----	-----	10,504	334	Nebraska.....	1919	2,531	74	16	1,880	295	210	6	34	7	-----
Engraving, steel and copper plate, including plate printing.	1914	6,859	(2)	(2)	4,032	1,727	327	47	55	9	10,504	334	Nebraska.....	1914	2,413	(2)	(2)	1,238	420	627	25	91	3	-----
Lithographing....	1919	15,618	191	481	13,644	1,259	17	16	10	-----	10,504	334	New Hampshire.....	1919	862	49	3	674	70	60	0	-----		
Lithographing....	1914	15,171	(2)	(2)	12,022	1,910	528	20	91	-----	10,504	334	New Jersey.....	1919	5,350	370	123	4,119	520	66	133	15	1	-----
Alabama.....	1919	1,253	0	8	1,013	90	80	4	34	15	10,504	334	New Jersey.....	1914	5,433	(2)	(2)	3,500	920	624	285	83	3	-----
Alabama.....	1914	1,346	(2)	(2)	737	78	335	44	90	62	10,504	334	New Mexico.....	1919	287	1	-----	270	-----	10	1	20	9	-----
Arizona.....	1919	518	-----	57	460	-----	1	-----	-----	-----	10,504	334	New Mexico.....	1914	258	(2)	(2)	178	1	41	20	9	-----	
Arizona.....	1914	335	(2)	(2)	322	-----	12	1	-----	-----	10,504	334	New York.....	1919	67,401	11,201	1,783	48,492	3,128	1,376	1,448	63	-----	
Arkansas.....	1919	1,110	9	5	800	31	103	2	64	16	10,504	334	New York.....	1914	64,020	(2)	(2)	44,314	10,504	7,407	1,522	220	33	-----
Arkansas.....	1914	893	(2)	(2)	534	51	137	30	128	13	10,504	334	North Carolina.....	1919	1,017	8	17	1,120	96	98	80	119	64	-----
California.....	1919	10,047	527	820	8,533	40	89	4	16	-----	10,504	334	North Carolina.....	1914	1,542	(2)	(2)	720	70	422	90	231	-----	
Colorado.....	1919	2,306	34	14	2,211	4	25	10	4	4	10,504	334	North Dakota.....	1919	600	12	2	573	22	32	9	17	2	-----
Colorado.....	1914	2,173	(2)	(2)	1,927	24	118	96	8	1	10,504	334	Ohio.....	1919	19,174	504	1,032	15,192	1,424	496	401	77	48	-----
Connecticut.....	1919	3,068	217	210	2,156	235	61	170	-----	1	10,504	334	Ohio.....	1914	18,070	(2)	(2)	12,587	1,826	2,453	1,055	149	-----	
Connecticut.....	1914	2,838	(2)	(2)	1,047	675	348	72	96	-----	10,504	334	Oklahoma.....	1919	1,931	10	3	1,013	31	122	133	13	1	-----
Delaware.....	1919	381	33	-----	301	7	31	8	1	-----	10,504	334	Oklahoma.....	1914	1,619	(2)	(2)	1,176	50	205	22	68	8	-----
Delaware.....	1914	371	(2)	(2)	212	98	33	23	5	-----	10,504	334	Oregon.....	1919	1,505	143	22	1,381	32	15	1	13	2	-----
District of Columbia.	1919	2,154	103	145	1,710	-----	187	-----	3	-----	10,504	334	Oregon.....	1914	1,556	(2)	(2)	1,365	48	128	-----	18	2	-----
Florida.....	1919	1,172	14	7	924	32	146	35	14	-----	10,504	334	Pennsylvania.....	1919	26,456	1,720	660	21,320	1,677	797	227	47	8	-----
Florida.....	1914	1,220	(2)	(2)	604	102	349	142	23	-----	10,504	334	Pennsylvania.....	1914	20,009	(2)	(2)	18,878	4,230	2,980	713	97	11	-----
Georgia.....	1919	2,895	40	30	2,203	158	274	106	68	1	10,504	334	Rhode Island.....	1919	1,650	27	210	1,231	100	8	5	-----		
Georgia.....	1914	2,476	(2)	(2)	1,495	202	393	82	101	23	10,504	334	Rhode Island.....	1914	1,615	(2)	(2)	1,168	106	121	19	21	-----	
Idaho.....	1919	428	1	33	364	11	16	12	1	-----	10,504	334	South Carolina.....	1919	1,025	32	-----	703	37	114	23	25	1	-----
Idaho.....	1914	488	(2)	(2)	352	32	98	22	14	-----	10,504	334	South Carolina.....	1914	901	(2)	(2)	450	60	211	57	115	2	-----
Illinois.....	1919	36,537	2,033	413	27,333	5,401	470	125	80	64	10,504	334	Tennessee.....	1919	3,000	64	126	2,199	234	299	17	68	2	-----
Illinois.....	1914	32,838	(2)	(2)	24,447	5,181	2,698	312	200	-----	10,504	334	Tennessee.....	1914	2,665	(2)	(2)	1,821	460	354	74	142	5	-----
Indiana.....	1919	6,772	226	152	4,161	1,095	581	450	100	1	10,504	334	Texas.....	1919	5,504	190	48	4,000	417	691	160	60	4	-----
Indiana.....	1914	6,140	(2)	(2)	3,412	851	1,068	575	234	-----	10,504	334	Texas.....	1914	4,690	(2)	(2)	2,930	204	923	332	261	31	-----
Iowa.....	1919	4,831	40	22	3,300	407	704	233	65	-----	10,504	334	Utah.....	1919	1,258	48	4	1,181	1	12	3	7	2	-----
Iowa.....	1914	4,048	(2)	(2)	2,449	519	1,396	330	246	8	10,504	334	Utah.....	1914	872	(2)	(2)	812	22	31	2	5	-----	
Kansas.....	1919	3,055	55	80	2,342	108	428	0	20	4	10,504	334	Vermont.....	1919	616	10	8	400	67	82	7	3	-----	
Kansas.....	1914	2,818	(2)	(2)	1,882	147	570	48	100	2	10,504	334	Vermont.....	1914	600	(2)	(2)	174	31	405	21	19	-----	
Kentucky.....	1919	2,882	340	5	1,614	292	202	325	104	11	10,504	334	Virginia.....	1919	2,820	50	133	2,324	100	90	5	58	69	-----
Kentucky.....	1914	3,028	(2)	(2)	1,908	174	686	61	188	11	10,504	334	Virginia.....	1914	2,790	(2)	(2)	1,232	540	812	83	112	2	-----
Louisiana.....	1919	1,583	49	5	1,117	33	154	101	32	2	10,504	334	Washington.....	1919	2,453	590	238	1,508	14	6	-----	1	1	-----
Louisiana.....	1914	1,405	(2)	(2)	880	30	331	58	137	7	10,504	334	Washington.....	1914	2,356	(2)	(2)	2,225	28	62	27	13	1	-----
Maine.....	1919	1,600	15	12	1,316	67	174	8	-----	8	10,504	334	West Virginia.....	1919	1,354	17	13	930	72	83	129	67	34	-----
Maine.....	1914	1,772	(2)	(2)	924	231	821	65	31	-----	10,504	334	West Virginia.....	1914	1,218	(2)	(2)	741	90	288	10	89	-----	
Maryland.....	1919	4,391	305	619	3,103	246	37	11	10	4	10,504	334	Wisconsin.....	1919	5,838	257	126	4,342	433	331	96	147	4	-----
Maryland.....	1914	4,174	(2)	(2)	2,446	1,246	320	90	69	4	10,504	334	Wisconsin.....	1914	5,070	(2)	(2)	3,421	627	1,165	316	123	19	-----
Massachusetts.....	1919	18,247	2,257	331	14,555	815	240	19	30	-----	10,504	334	Wyoming.....	1919	234	2	-----	211	2	18	1</			

PRINTING AND PUBLISHING.

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TABLE 7.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR EACH OF THE SIX BRANCHES OF THE INDUSTRY, 1919 AND 1914; AND FOR THE COMBINED INDUSTRIES, FOR STATES: 1919.

INDUSTRY AND STATE.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments	Wage earners (average number)	No wage earners.		1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		
			Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners	
United States:	32,470	287,278	9,116	15,870	35,464	4,916	53,158	1,588	51,023	531	37,139	325	49,866	86	28,968	28	19,365	7	12,295
1919.....	33,471	272,092	8,524	17,456	40,665	5,081	53,694	1,500	47,285	499	35,067	311	47,650	71	23,909	25	16,039	4	6,883
Printing and publishing, book and job:																			
1919.....	13,080	123,005	3,220	6,167	14,124	2,479	27,141	822	26,221	236	16,919	122	18,748	32	11,115	9	6,009	2	2,728
1914.....	12,115	113,121	2,072	6,009	14,329	2,337	25,046	726	23,000	208	14,561	123	18,438	28	9,255	11	7,366	1	1,126
Printing and publishing, music:																			
1919.....	100	899	124	21	54	6	70	4	133	2	130	3	512	-----	-----	-----	-----	-----	-----
1914.....	180	873	139	20	47	13	187	4	128	1	64	3	497	-----	-----	-----	-----	-----	-----
Printing and publishing, newspapers and periodicals:																			
1919.....	17,362	120,881	5,508	9,034	19,490	1,828	19,240	549	17,918	199	13,608	128	19,980	39	12,796	13	9,139	4	8,210
1914.....	19,317	114,375	5,541	10,749	24,506	2,151	21,854	532	16,004	188	13,352	117	18,421	28	9,100	9	6,036	2	4,502
Bookbinding and blank-book making:																			
1919.....	1,113	20,301	101	449	1,217	376	3,968	101	3,203	41	2,720	35	5,145	8	2,664	2	1,435	-----	-----
1914.....	1,124	21,093	72	475	1,233	362	4,068	124	3,916	51	3,616	29	4,407	9	3,355	2	1,098	-----	-----
Engraving, steel and copper plate, including plate printing:																			
1919.....	421	7,014	6859	62	150	407	146	1,699	38	1,151	14	919	9	1,183	1	298	-----	1	1,357
Lithographing:																			
1919.....	331	15,618	41	58	172	81	1,040	73	2,346	40	2,885	28	4,298	6	2,095	4	2,782	-----	-----
1914.....	336	15,171	43	56	165	89	1,132	71	2,341	38	2,575	31	4,631	5	1,888	3	2,439	-----	-----
Alabama.....	237	1,253	50	137	282	34	318	14	478	2	177	-----	-----	-----	-----	-----	-----	-----	-----
Arizona.....	85	518	22	42	92	16	152	3	110	1	57	1	107	-----	-----	-----	-----	-----	-----
Arkansas.....	207	1,110	63	199	427	25	235	8	236	1	87	1	125	-----	-----	-----	-----	-----	-----
California.....	1,504	10,047	450	714	1,517	231	2,445	66	2,087	20	1,371	11	1,648	3	979	-----	-----	-----	-----
Colorado.....	464	2,306	140	248	431	56	601	13	409	2	157	5	708	-----	-----	-----	-----	-----	-----
Connecticut.....	414	3,068	123	189	404	61	698	27	844	12	857	2	265	-----	-----	-----	-----	-----	-----
Delaware.....	53	381	15	28	70	9	77	5	174	1	60	-----	-----	-----	-----	-----	-----	-----	-----
District of Columbia.....	186	2,154	83	50	117	28	327	15	562	4	241	6	907	-----	-----	-----	-----	-----	-----
Florida.....	237	1,172	46	143	354	39	375	6	188	2	141	1	114	-----	-----	-----	-----	-----	-----
Georgia.....	410	2,895	91	243	536	59	654	16	535	6	345	3	494	1	331	-----	-----	-----	-----
Idaho.....	160	438	42	100	106	16	180	2	62	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Illinois.....	2,647	36,537	817	1,108	2,545	412	4,568	183	5,904	58	4,121	46	7,365	15	4,759	6	4,547	2	2,728
Indiana.....	805	6,772	181	460	1,082	153	1,620	53	1,770	13	895	4	679	1	726	-----	-----	-----	-----
Iowa.....	999	4,831	226	610	1,365	115	1,185	36	1,071	8	498	3	459	1	253	-----	-----	-----	-----
Kansas.....	739	3,055	202	448	865	69	732	16	594	2	145	1	111	-----	-----	1	698	-----	-----
Kentucky.....	370	2,882	75	210	537	50	799	15	435	5	332	6	779	-----	-----	-----	-----	-----	-----
Louisiana.....	272	1,583	61	140	335	46	400	14	438	5	350	-----	-----	-----	-----	-----	-----	-----	-----
Maine.....	176	1,600	41	84	213	32	232	11	330	6	386	2	339	-----	-----	-----	-----	-----	-----
Maryland.....	386	4,391	98	183	414	64	604	22	673	10	754	5	677	4	1,179	5	1,690	6	3,921
Massachusetts.....	1,327	18,247	302	534	1,303	277	3,014	89	2,800	32	2,243	22	3,216	5	1,690	6	3,921	-----	-----
Michigan.....	1,048	7,809	241	538	1,200	184	1,953	56	1,792	23	1,559	4	738	2	657	-----	-----	-----	-----
Minnesota.....	1,006	6,352	206	549	1,101	137	1,508	35	1,447	10	687	6	814	3	1,096	-----	-----	-----	-----
Mississippi.....	193	595	51	114	230	23	226	5	139	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Missouri.....	1,310	11,465	327	701	1,579	176	1,940	64	2,090	23	1,540	13	1,935	5	1,860	1	521	-----	-----
Montana.....	247	1,011	68	148	263	20	215	10	410	-----	-----	1	123	-----	-----	-----	-----	-----	-----
Nebraska.....	694	2,631	232	387	712	52	595	16	531	4	303	3	390	-----	-----	-----	-----	-----	-----
Nevada.....	39	130	6	28	67	4	38	1	25	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire.....	130	862	33	61	149	22	222	6	188	2	112	1	181	-----	-----	-----	-----	-----	-----
New Jersey.....	774	5,356	220	387	908	120	1,234	27	797	12	904	7	1,237	1	278	-----	-----	-----	-----
New Mexico.....	87	287	23	56	117	5	59	3	111	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New York.....	4,831	67,401	1,643	1,815	4,413	836	9,180	305	9,883	111	7,763	78	12,109	29	10,389	10	7,283	4	6,491
North Carolina.....	321	1,617	59	198	493	51	566	9	269	4	289	-----	-----	-----	-----	-----	-----	-----	-----
North Dakota.....	318	600	114	180	298	18	184	6	178	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ohio.....	1,780	19,174	445	812	2,016	341	3,831	111	3,523	38	2,773	25	3,915	6	1,666	2	1,150	-----	-----
Oklahoma.....	510	1,931	161	282	573	53	544	10	331	1	59	3	424	-----	-----	-----	-----	-----	-----
Oregon.....	368	1,595	122	174	311	52	578	5	176	3	210	2	320	-----	-----	-----	-----	-----	-----
Pennsylvania.....	2,457	26,456	695	1,092	2,053	445	4,786	132	4,095	46	3,056	36	5,525	9	2,716	1	519	1	3,076
Rhode Island.....	155	1,650	36	70	168	23	267	13	394	5	404	2	417	-----	-----	-----	-----	-----	-----
South Carolina.....	175	1,025	31	106	252	31	338	3	118	4	317	-----	-----	-----	-----	-----	-----	-----	-----
South Dakota.....	358	766	115	218	374	19	206	6	186	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Tennessee.....	371	3,009	90	200	458	52	532	14	459	8	550	7	1,010	-----	-----	-----	-----	-----	-----
Texas.....	1,080	5,504	311	586	1,267	140	1,454	35	1,183	14	959	2	280	1	451	-----	-----	-----	-----
Utah.....	159	1,258	46	80	188	22	223	7	244	1	53	3	550	-----	-----	-----	-----	-----	-----
Vermont.....	108	616	28	53	134	19	179	7	250	1	53	-----	-----	-----	-----	-----	-----	-----	-----
Virginia.....	382	2,820	94	199	487	55	555	23	722	7	455	4	610	-----	-----	-----	-----	-----	-----
Washington.....	571	2,453	197	287	547	66	712	14	418	3	235	4	541	-----	-----	-----	-----	-----	-----
West Virginia.....	223	1,354	37	142	348	30	358	10	321	3	225	1	104	-----	-----	-----	-----</td		

MANUFACTURES.

TABLE 8.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR THE COMBINED INDUSTRIES AND EACH OF THE SIX BRANCHES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT,	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.					
	1919		1914		Per cent distribution.		1919		1914		Per cent distribution.		1919		1914		Per cent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
UNITED STATES.....	32,476	33,471	100.0	100.0	287,278	272,092	100.0	100.0	\$1,699,789,229	\$901,534,801	100.0	100.0	\$1,128,278,052	\$643,680,825	100.0	100.0		
Less than \$5,000.....	12,113	17,201	37.3	51.4	7,309	19,265	2.5	7.1	31,520,745	42,350,022	1.9	4.7	23,362,140	33,658,091	2.1	5.2		
\$5,000 to \$20,000.....	11,547	10,306	35.6	30.8	30,791	43,437	10.7	16.0	116,673,097	99,039,126	6.9	11.0	84,772,863	70,850,305	7.5	11.9		
\$20,000 to \$100,000.....	6,140	4,473	18.9	13.4	32,046	68,253	21.6	25.1	270,110,339	193,097,423	15.9	21.4	100,081,006	142,655,537	16.8	22.2		
\$100,000 to \$500,000.....	2,117	1,239	0.5	3.7	81,023	101,034	128.4	37.4	441,600,418	248,103,243	26.0	27.5	302,974,293	246,958,797	26.9	38.4		
\$500,000 to \$1,000,000.....	324	148	1.0	0.4	35,439	101,034	12.3	37.4	219,155,554	103,149,363	12.9	11.4	145,319,733	143,558,095	13.0	22.3		
\$1,000,000 and over.....	235	104	0.7	0.3	70,070	39,503	24.4	14.5	620,662,176	215,870,024	36.5	23.9	380,708,917	143,558,095	33.7	22.3		
PRINTING AND PUBLISHING, BOOK AND JOB.....	13,089	12,115	100.0	100.0	123,005	113,121	100.0	100.0	597,663,228	307,330,861	100.0	100.0	386,506,054	210,877,029	100.0	100.0		
Less than \$5,000.....	4,216	5,402	32.2	44.6	1,750	4,945	1.4	4.4	10,350,020	13,065,523	1.7	4.3	6,035,152	9,403,400	1.8	4.5		
\$5,000 to \$20,000.....	4,542	4,094	34.7	33.8	11,920	18,317	9.7	16.2	47,714,801	40,551,051	8.0	13.2	31,343,275	28,908,705	8.1	13.7		
\$20,000 to \$100,000.....	3,127	2,047	23.9	16.9	32,040	34,003	26.5	30.9	138,402,721	88,944,772	23.2	28.0	89,055,251	61,112,027	23.3	29.0		
\$100,000 to \$500,000.....	1,013	514	7.7	4.3	41,821	46,324	34.0	41.0	203,567,319	100,802,347	34.1	32.8	132,110,447	87,095,322	34.2	41.6		
\$500,000 to \$1,000,000.....	138	40	1.1	0.3	17,137	13,9	34.0	41.0	80,451,441	27,415,557	15.0	8.0	59,494,298	36,651,811	15.4	22.3		
\$1,000,000 and over.....	53	18	0.4	0.1	17,737	8,632	14.4	7.6	108,104,236	12,408,396	18.1	11.9	66,757,631	23,097,575	17.3	11.2		
PRINTING AND PUBLISHING, MUSIC.....	160	180	100.0	100.0	809	873	100.0	100.0	14,592,177	7,271,266	100.0	100.0	12,408,396	6,224,636	100.0	100.0		
Less than \$5,000.....	46	71	28.8	30.4	2	15	0.2	1.7	110,226	150,600	0.8	2.1	97,046	140,432	0.8	2.3		
\$5,000 to \$20,000.....	41	45	25.6	25.0	32	75	3.5	8.6	455,242	450,427	3.1	6.2	359,772	410,326	2.9	6.6		
\$20,000 to \$100,000.....	38	46	23.7	25.6	82	173	9.2	19.8	1,750,283	2,372,863	12.0	32.6	1,383,011	2,127,283	11.1	34.2		
\$100,000 to \$500,000.....	20	18	18.1	10.0	391	610	43.5	60.0	6,488,324	4,207,367	34.4	50.1	5,184,847	3,540,595	41.6	57.0		
\$500,000 to \$1,000,000.....	6	3.8	3.8	3.8	302	43.6	34.0	43.6	5,703,132	39.7	50.1	5,443,120	43.7	34.1	57.0			
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	17,302	10,317	100.0	100.0	120,381	114,375	100.0	100.0	924,152,878	495,905,948	100.0	100.0	623,707,691	306,823,730	100.0	100.0		
Less than \$5,000.....	7,472	11,142	43.0	57.7	5,270	13,374	4.4	11.7	20,024,337	27,031,219	2.2	5.6	15,496,712	22,783,258	2.5	6.2		
\$5,000 to \$20,000.....	6,340	5,533	36.5	28.6	15,915	20,344	13.2	17.8	61,499,459	51,317,416	6.7	10.3	47,542,141	42,207,720	7.6	11.5		
\$20,000 to \$100,000.....	2,429	1,940	14.0	10.0	20,774	22,180	17.2	19.4	105,505,017	82,100,202	11.4	16.6	81,740,205	66,132,178	13.1	18.0		
\$100,000 to \$500,000.....	829	538	4.8	2.8	20,201	33,155	21.7	20.0	170,020,630	100,578,013	19.0	22.1	132,788,556	125,109,125	21.3	34.1		
\$500,000 to \$1,000,000.....	137	86	0.8	0.4	10,233	8,5	8.5	21.7	94,180,060	60,572,174	10.2	12.2	64,447,204	281,756,873	10.3	30.1		
\$1,000,000 and over.....	155	78	0.9	0.4	41,070	26,322	35.1	22.1	403,826,509	164,007,024	50.2	33.2	110,501,440	45.2	45.2	30.1		
BOOKBINDING AND BLANK-BOOK MAKING.....	1,113	1,124	100.0	100.0	20,361	21,693	100.0	100.0	60,020,077	38,104,368	100.0	100.0	42,785,506	24,770,161	100.0	100.0		
Less than \$5,000.....	248	300	22.3	35.5	235	743	1.2	3.4	681,104	1,070,870	1.0	2.8	536,643	894,173	1.3	3.6		
\$5,000 to \$20,000.....	431	414	38.0	36.8	2,163	3,300	10.0	15.2	4,801,125	4,249,843	7.4	11.2	3,802,703	3,329,346	9.0	13.4		
\$20,000 to \$100,000.....	312	233	28.0	20.7	5,172	6,458	25.4	29.8	13,564,105	9,064,163	20.5	26.1	6,433,080	6,798,330	22.0	27.4		
\$100,000 to \$500,000.....	95	65	8.5	5.8	5,886	11,192	28.9	51.5	20,449,337	12,251,470	31.0	32.2	12,774,709	13,748,312	29.9	55.5		
\$500,000 and over.....	27	13	2.4	1.2	6,005	33.0	33.0	51.5	26,463,006	10,568,013	40.1	27.7	10,177,471	37.8	37.8	55.5		
ENGRAVING, STEEL AND COPPER PLATE, INCLUDING PLATE PRINTING.....	421	309	100.0	100.0	7,014	6,850	100.0	100.0	24,200,154	13,780,385	100.0	100.0	17,228,407	9,871,877	100.0	100.0		
Less than \$5,000.....	90	136	21.4	34.1	36	158	0.5	2.3	251,046	343,170	1.0	2.5	220,717	204,116	1.3	3.0		
\$5,000 to \$20,000.....	149	154	35.4	33.6	624	1,070	8.9	15.6	1,655,036	1,725,581	0.8	12.5	1,259,623	1,341,430	7.5	13.6		
\$20,000 to \$100,000.....	130	80	33.0	21.6	2,072	2,071	29.5	30.2	5,771,603	3,403,287	23.8	24.7	4,354,922	2,651,161	25.2	25.8		
\$100,000 to \$500,000.....	36	20	8.6	5.0	1,917	3,560	27.3	51.0	6,094,048	4,631,655	28.0	20.2	4,970,789	6,085,161	28.9	57.6		
\$500,000 to \$1,000,000.....	7	3	1.7	0.8	2,365	33.7	21.5	50.1	6,537,421	4,283,783	30.4	31.1	6,403,356	37.2	37.2	57.6		
LITHOGRAPHING.....	331	336	100.0	100.0	15,018	15,171	100.0	100.0	73,151,115	30,135,073	100.0	100.0	45,432,898	25,118,792	100.0	100.0		
Less than \$5,000.....	41	51	12.4	15.2	7	30	(1)	0.2	92,412	95,213	0.1	0.2	85,270	82,712	0.2	0.3		
\$5,000 to \$20,000.....	44	66	13.3	19.6	187	331	0.9	2.2	488,244	745,808	0.7	1.0	376,349	568,760	0.8	2.3		
\$20,000 to \$100,000.....	95	121	28.7	36.0	1,306	2,408	8.4	16.3	4,005,740	6,213,138	0.8	15.0	3,227,037	3,033,958	7.1	15.7		
\$100,000 to \$500,000.....	113	86	34.1	25.6	5,407	8,069	34.6	50.1	25,151,740	18,449,300	34.4	47.1	15,135,045	14,892,930	33.3	69.3		
\$500,000 to \$1,000,000.....	24	7	7.3	2.1	3,300	3,373	21.5	22.2	16,042,294	4,460,256	22.8	11.4	10,305,739	5,640,417	22.7	22.5		
\$1,000,000 and over.....	14	5	4.2	1.5	5,401	34.6	22.2	25,810,085	9,173,104	35.3	23.4	16,302,958	5,640,417	35.9	22.5			

PRINTING AND PUBLISHING.

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TABLE 9.—CHARACTER OF OWNERSHIP FOR EACH OF THE SIX BRANCHES OF THE INDUSTRY, 1919 AND 1914, AND FOR COMBINED INDUSTRIES, FOR STATES: 1919.

INDUSTRY AND STATE.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.							
				Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.		
	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.		Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
United States:																	
1919.....	17,076	8,947	5,853	287,278	46,738	215,081	25,459	18.3	74.0	8.9	\$1,899,789,229	\$204,495,041	\$1,359,663,580	\$135,630,608	12.0	80.0	8.0
1914.....	10,086	8,580	5,700	272,092	55,774	188,873	27,445	20.5	69.4	10.1	901,534,801	130,850,328	680,090,324	77,988,149	15.2	76.2	8.6
Printing and publishing, book and job:																	
1919.....	7,458	3,367	2,264	123,005	20,663	90,480	11,856	16.8	73.6	9.6	597,663,228	92,086,652	445,041,406	60,535,170	15.4	74.5	10.1
1914.....	7,090	2,880	2,145	113,121	22,715	78,305	12,041	20.1	69.3	10.6	307,330,861	54,760,532	210,084,491	32,585,838	17.8	71.6	10.6
Printing and publishing, music:																	
1919.....	63	76	21	899	133	760	0	14.8	84.5	0.7	14,592,177	1,187,026	12,100,708	1,804,443	8.1	82.9	8.9
1914.....	85	70	25	873	120	610	143	13.7	69.9	16.4	7,271,266	1,124,830	5,335,895	810,532	15.5	73.4	11.1
Printing and publishing, newspapers and periodicals:																	
1919.....	9,282	4,856	3,214	120,381	20,139	90,688	9,554	16.7	75.3	7.9	924,152,878	93,990,148	768,916,217	61,246,513	10.2	83.2	6.6
1914.....	10,092	5,016	3,309	114,375	25,908	77,093	10,034	22.7	67.9	9.3	493,905,948	70,710,425	388,126,392	37,069,131	14.3	78.3	7.5
Bookbinding and blank-book making:																	
1919.....	586	201	236	20,301	4,034	13,727	2,600	19.8	67.4	12.8	60,020,677	11,381,293	47,427,127	7,212,257	17.2	71.8	10.9
1914.....	624	289	211	21,063	5,413	13,673	2,607	25.0	63.0	12.0	38,104,388	7,249,974	27,109,950	3,744,444	19.0	71.1	9.8
Engraving, steel and copper plate, including plate printing:																	
1919.....	226	132	63	7,014	1,174	5,021	819	16.7	71.0	11.7	24,209,154	3,138,514	18,063,803	3,006,837	13.0	74.6	12.4
1914.....	196	125	78	782	5,152	925	11.4	75.1	13.5	13,786,385	1,284,850	10,918,433	1,583,102	9.3	79.2	11.5	
Lithographing:																	
1919.....	81	225	25	15,618	595	14,390	624	3.8	92.2	4.0	73,151,115	2,711,408	68,114,319	2,825,388	3.7	93.1	3.2
1914.....	99	209	28	15,171	740	13,380	1,045	4.9	88.2	6.0	39,135,973	1,719,708	35,221,163	2,195,102	4.4	90.0	5.6
Alabama.....	126	60	51	1,253	231	913	100	18.4	72.9	8.7	7,286,113	802,741	6,050,117	433,255	11.0	83.1	5.9
California.....	855	321	328	10,047	1,868	8,814	1,365	18.6	67.8	13.6	61,815,272	9,182,428	44,378,865	8,232,979	14.9	71.8	13.3
Colorado.....	202	102	70	2,306	457	1,699	150	19.8	73.7	6.5	12,612,870	1,803,492	10,122,138	687,240	14.3	80.3	5.4
Connecticut.....	260	94	58	3,021	627	2,181	213	20.8	72.2	7.1	14,035,915	2,949,377	10,163,119	923,419	21.0	72.4	6.6
District of Columbia.....	79	60	47	2,154	234	1,753	167	10.9	81.4	7.7	16,859,238	1,011,857	12,815,736	3,031,645	6.0	76.0	18.0
Georgia.....	214	109	95	2,844	505	2,008	271	19.9	70.6	9.5	14,199,694	2,273,060	10,636,379	1,220,255	16.1	75.3	8.6
Illinois.....	1,295	940	412	30,537	3,808	31,139	1,590	10.4	85.2	4.4	210,330,711	17,671,430	189,908,308	11,750,972	8.1	86.0	5.4
Indiana.....	453	232	180	6,772	1,346	4,522	904	19.9	66.8	13.3	30,612,318	4,350,997	20,501,397	5,759,944	14.2	67.0	18.8
Iowa.....	619	171	207	4,808	1,276	2,802	640	26.5	60.1	13.3	26,805,486	4,870,113	19,198,065	2,787,708	18.2	71.6	10.2
Kansas.....	542	62	134	3,043	1,836	842	365	60.3	27.7	12.0	12,716,832	7,527,195	3,62,991	1,563,646	59.2	28.5	12.3
Kentucky.....	186	116	71	2,850	427	2,246	177	15.0	78.8	6.2	11,734,539	1,236,033	9,804,388	604,118	10.5	84.3	5.1
Louisiana.....	138	85	47	1,581	208	1,131	152	18.8	71.5	9.6	8,109,761	913,808	6,652,002	513,051	11.6	82.0	6.3
Maryland.....	160	123	88	3,491	446	3,038	907	10.2	69.2	20.7	23,835,004	1,566,631	18,123,480	4,144,832	6.6	76.0	17.4
Massachusetts.....	712	436	170	18,247	2,737	13,243	2,267	15.0	72.6	12.4	104,551,284	9,370,471	78,318,861	15,381,932	9.0	76.3	14.7
Michigan.....	553	285	203	7,880	1,271	5,804	745	16.1	74.4	9.5	46,828,716	37,942,118	3,899,935	10,663,195	8.6	86.4	5.0
Minnesota.....	577	253	173	6,319	1,001	4,609	529	17.3	74.4	8.4	33,479,797	4,206,045	26,570,288	2,691,434	12.6	79.4	8.0
Missouri.....	729	343	238	11,405	2,182	8,476	807	19.0	73.9	7.1	61,249,545	11,749,090	45,876,818	3,823,637	19.3	74.6	6.2
Nebraska.....	478	91	125	2,531	680	1,642	233	23.9	64.9	9.2	15,321,689	3,038,021	10,917,397	1,366,201	19.8	71.3	8.9
New Jersey.....	461	107	114	5,356	917	4,019	420	17.1	76.0	7.8	24,217,733	3,810,838	18,592,882	1,814,013	15.7	76.8	7.5
New York.....	2,225	1,823	783	67,491	8,421	54,828	4,241	12.5	81.2	6.3	478,898,471	41,401,110	413,634,166	23,963,195	8.6	86.4	5.0
Ohio.....	845	578	357	19,174	2,530	15,057	1,587	13.2	78.5	8.3	112,029,131	11,268,633	92,685,080	8,095,418	10.1	82.7	7.2
Oklahoma.....	317	92	101	1,931	459	1,263	209	23.8	65.4	10.8	10,241,288	2,010,285	7,132,424	1,098,577	19.6	69.6	10.7
Oregon.....	200	90	68	1,595	264	1,195	138	16.6	74.9	8.5	10,154,778	1,443,638	8,019,698	691,444	14.2	79.0	6.8
Pennsylvania.....	1,414	565	478	26,456	4,885	18,309	3,202	18.5	69.4	12.1	163,344,144	24,728,894	126,546,173	14,071,077	14.9	76.5	8.5
Rhode Island.....	89	31	35	1,650	227	1,254	164	13.8	76.3	9.0	7,326,052	801,258	5,986,632	538,162	10.9	81.7	7.3
Tennessee.....	103	90	77	2,007	477	2,152	338	16.1	72.5	11.4	15,832,846	1,966,693	11,120,619	2,745,534	12.4	70.2	17.3
Texas.....	657	194	236	5,594	1,337	3,510	717	23.9	63.3	12.8	32,082,738	5,586,590	23,726,274	3,373,868	17.1	72.6	10.3
Virginia.....	206	109	66	2,719	540	1,700	383	20.1	65.8	14.1	13,162,355	2,031,960	9,411,960	1,088,428	15.7	71.5	12.8
Washington.....	326	145	98	2,453	505	1,825	123	20.6	74.4	5.0	17,348,530	2,682,377	13,746,944	939,209	15.3	79.2	5.4
Wisconsin.....	468	240	134	6,838	932	4,253	653	16.0	72.0	11.2	26,466,906	3,384,964	21,518,579	1,563,363	12.8	81.3	8.1

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.

² Not reported separately.

MANUFACTURES.

TABLE 11.—FUEL CONSUMED, BY STATES: 1919 AND 1914.

STATE.	Cen-sus year.	COAL.		Coke, (tons, 2,000 lbs.).	Fuel oils (barrels).	Gaso-line and other volatile oils (barrels).	Gas (1,000 cubic feet).	STATE.	Cen-sus year.	COAL.		Coke, (tons, 2,000 lbs.).	Fuel oils (barrels).	Gaso-line and other volatile oils (barrels).	Gas (1,000 cubic feet).
		Anthra-cite (tons, 2,240 lbs.).	Bitumi-nous (tons, 2,000 lbs.).							Anthra-cite (tons, 2,240 lbs.).	Bitumi-nous (tons, 2,000 lbs.).				
United States.	1919	179,403	370,398	7,048	73,553	28,401	2,567,301	Montana.....	1919	46	600	.....	41	330	2,342
	1914	165,903	351,395	4,830	52,849	(1)	2,270,571		1914	69	1,945	1	484	.....	6,543
Alabama.....	1919	49	1,337	157	61	301	5,111	Nebraska.....	1919	340	7,379	42	116	775	23,187
	1914	131	1,205	62	507	.....	21,333		1914	446	6,597	20	858	.....	15,543
Arizona.....	1919	8	80	.....	.....	100	6,087	Nevada.....	1919	10	186	3	1	85	5,456
	1914	8	84	.....	97	.....	4,401		1914	21	105	5	147	.....	251
Arkansas.....	1919	80	673	.....	149	454	18,499	New Hampshire.....	1919	564	970	1	16	1,711	2,583
	1914	73	411	.....	644	.....	11,474		1914	500	597	24	11	.....	2,582
California.....	1919	44	417	4	23,823	1,903	224,000	New Jersey.....	1919	7,935	2,634	1,511	20	160	31,177
	1914	60	371	2	10,288	.....	80,781		1914	8,314	7,002	17	332	.....	47,062
Colorado.....	1919	48	5,377	52	65	370	20,528	New Mexico.....	1919	63	502	.....	4	227	722
	1914	123	4,910	23	375	.....	30,628		1914	20	104	.....	108	.....	1,094
Connecticut.....	1919	3,713	2,975	60	75	457	26,878	New York.....	1919	91,897	38,067	220	1,520	1,014	314,585
	1914	2,710	3,260	38	91	19,871	1914	71,523	29,217	611	1,541	.....	378,747	.....
Delaware.....	1919	317	305	.....	8	23	1,048	North Carolina.....	1919	141	2,007	21	50	336	3,838
	1914	406	302	.....	65	.....	1,201		1914	208	2,260	32	526	.....	8,256
District of Columbia.....	1919	805	1,810	.....	3	61	15,887	North Dakota.....	1919	297	3,108	21	45	574	2,560
	1914	1,164	2,505	1	31	.....	24,902		1914	707	1,912	45	782	.....	1,508
Florida.....	1919	207	196	95	86	437	6,018	Ohio.....	1919	322	35,823	204	335	661	375,222
	1914	287	280	29	828	.....	4,988		1914	805	40,510	714	880	.....	409,403
Georgia.....	1919	135	1,023	16	142	615	32,012	Oklahoma.....	1919	51	1,421	1	74	580	91,339
	1914	309	1,000	23	688	.....	12,442		1914	118	1,050	10	898	.....	66,831
Idaho.....	1919	49	1,082	15	4	103	622	Oregon.....	1919	27	455	20	549	213	10,785
	1914	28	767	40	120	.....	1,719		1914	25	478	.....	1,465	.....	13,194
Illinois.....	1919	1,063	80,052	274	1,397	3,987	139,083	Pennsyl-vania.....	1919	40,920	14,203	59	90	490	479,825
	1914	5,586	72,908	333	1,375	.....	108,026		1914	44,017	14,908	51	868	.....	275,761
Indiana.....	1919	342	16,443	223	340	697	52,483	Rhode Island.....	1919	735	708	66	13,113	59	11,130
	1914	500	17,409	144	912	57,987	1914	1,063	2,689	20	16	.....	7,494	.....
Iowa.....	1919	945	15,177	187	244	1,144	45,815	South Carolina.....	1919	87	1,340	10	40	477	29,211
	1914	589	16,309	267	1,905	21,038	1914	498	973	5	356	.....	1,816	.....
Kansas.....	1919	1,248	3,893	18	380	646	47,463	South Dako-ta.....	1919	273	3,022	15	17	802	2,136
	1914	128	2,900	38	1,074	.....	72,420		1914	583	2,462	28	873	.....	1,165
Kentucky.....	1919	28	5,300	1,201	70	453	23,024	Tennessee.....	1919	124	7,535	114	19	242	7,355
	1914	55	5,817	10	570	.....	16,230		1914	21	5,061	510	245	.....	11,914
Louisiana.....	1919	22	208	42	40	300	25,202	Texas.....	1919	422	3,036	43	879	1,952	54,041
	1914	51	473	7	392	.....	21,310		1914	244	2,904	30	3,374	.....	75,875
Maine.....	1919	1,143	1,682	36	55	143	5,678	Utah.....	1919	4	1,544	5	60	94	3,265
	1914	1,488	1,421	13	101	.....	2,370		1914	372	1,042	60	.....	5,379	.....
Maryland.....	1919	1,447	7,474	.....	110	478	13,270	Vermont.....	1919	663	303	40	8	28	1,006
	1914	2,697	5,501	33	145	.....	15,738		1914	700	93	18	47	.....	8,546
Massachusetts.....	1919	7,704	22,886	111	10,426	118	89,025	Virginia.....	1919	603	5,924	103	57	300	6,256
	1914	6,405	24,803	410	441	.....	124,822		1914	1,144	3,671	98	325	.....	12,282
Michigan.....	1919	1,080	16,060	347	1,140	1,242	35,400	Washington.....	1919	18	1,743	20	391	290	23,347
	1914	1,807	15,970	432	1,202	51,493	1914	24	1,335	17	702	.....	14,830	.....
Minnesota.....	1919	1,800	10,813	178	70	1,420	38,040	West Virginia.....	1919	10	688	.....	121	87,372	.....
	1914	2,450	8,070	208	830	.....	25,211		1914	549	.....	158	.....	76,312	
Mississippi.....	1919	31	428	4	30	418	1,384	Wisconsin.....	1919	1,228	8,716	404	81	804	37,048
	1914	32	406	5	363	.....	2,500		1914	1,840	71,112	392	823	.....	24,951
Missouri.....	1919	402	21,150	921	17,325	1,500	77,425	Wyoming.....	1919	15	735	1	27	299	1,888
	1914	572	26,535	45	13,548	.....	65,551		1914	77	460	77	.....	1,784	.....

¹ Included in figures for fuel oils.

SPECIAL STATISTICS.

Comparative statistics, industry proper.—Table 12 shows the statistics for printing and publishing, book and job; music; and newspapers and periodicals for 1919, 1914, and 1909. The three classifications mentioned are designated in this report as "the industry proper."

In Table 13 the value of "job printing" and of "electrotyping, engraving, etc.,," shown in Table 14, are segregated into various groups, by geographic divisions and states; but only where the proper combinations can be made do the totals in the two tables agree.

TABLE 12.—COMPARATIVE STATISTICS, INDUSTRY PROPER, BY CHARACTER OF PRODUCTS: 1919, 1914, AND 1909.

PRODUCT.	1919	1914	1909	PER CENT OF INCREASE. ¹			PRODUCT.	1919	1914	1909	PER CENT OF INCREASE. ¹			
				1909-1919	1914-1919	1909-1914					1909-1919	1914-1919	1909-1914	
				1919	1914	1909					1919	1914	1909	
Number of establishments.....	30,611	31,612	20,757	2.9	-3.2	6.2	Publications—Contd.							
Book and job.....	13,080	12,115	10,708	22.2	8.0	13.1	Books and pamphlets—							
Music.....	160	180	178	-10.1	-11.1	1.1	Published, or printed and published..	\$132,699,383	\$88,587,778	\$62,930,394	110.9	93.5	9.0	
Newspapers and periodicals.....	17,302	19,317	18,871	-8.0	-10.1	2.4	Printed for publication by others....	32,861,475	19,049,651	10,209,509	221.9	72.5	86.6	
Total value.....	\$1,536,498,283	\$810,508,075	\$602,501,959	131.9	89.6	22.3	Sheet music and books of music—							
Publications:							Published, or printed and published..	12,509,981	6,803,491	5,510,698	127.0	88.9	23.5	
Newspapers and periodicals.....	406,305,760	419,209,701	337,596,288	138.8	92.3	24.2	Printed for publication by others....	3,766,908	822,585	1,000,906	276.3	357.9	-17.8	
Subscriptions and sales.....	278,006,382	103,577,090	135,063,043	105.8	70.0	21.1	Other products for sale and in execution of orders—							
Advertising.....	528,290,378	255,632,611	202,533,245	160.8	106.7	26.2	Job printing.....	405,419,994	249,730,932	204,154,096	128.0	86.4	22.3	
Newspapers.....	566,321,400	283,588,966	232,993,004	143.1	99.7	21.7	Machine composition for others....	12,487,551	5,682,098	(2)	.....	119.8	.....
Subscriptions and sales.....	192,810,519	99,541,860	84,438,702	128.4	93.7	17.9	Bookbinding and blank books....	23,911,103	15,007,109	18,810,392	27.1	58.4	-19.7	
Advertising.....	373,501,890	184,047,100	148,554,392	151.4	102.0	23.9	Electrotyping, engraving, lithographing, etc....	11,337,829	9,698,641	\$8,201,398	38.2	16.9	18.3	
Periodicals other than newspapers.....	230,984,351	135,620,735	104,003,194	120.4	77.0	29.7	All other products..	33,097,793	13,860,875	11,835,141	178.5	138.8	16.6	
Subscriptions and sales.....	85,186,863	64,035,230	50,024,341	68.3	33.0	26.5								
Advertising.....	154,707,488	71,586,605	53,978,853	186.8	118.2	32.6								
Ready prints (patent insides and outsides)	2,010,500	1,905,214	2,203,077	-12.3	2.3	-14.3								

¹ A minus sign (--) denotes decrease.² Included in "Job printing."

Statistics, by geographic divisions and states, industry proper.—Table 13 shows details as to the value of products, for each of the three branches of the industry proper, for 1919. In receipts from subscriptions and sales of newspapers the Middle Atlantic division led, with 35.1 per cent. East North Central was second, with 24.8 per cent, and the West North Central was

third, with 10.5 per cent. These were also the ranking divisions in newspaper advertising, having 28 per cent, 23.8 per cent, and 12.2 per cent, respectively.

The Middle Atlantic division ranked first in receipts from the printing and publishing, or publishing only, of books and pamphlets; the East North Central was second, and New England third.

MANUFACTURES.

TABLE 13.—INDUSTRY PROPER, BY GEOGRAPHIC DIVISIONS AND STATES: 1919.

DIVISION AND STATE.	Number of establishments.	Total value.	NEWSPAPERS.		PERIODICALS (OTHER THAN NEWSPAPERS).		NEWSPAPERS AND PERIODICALS.	BOOKS AND PAMPHLETS.		
			Printed and published, or published, by establishments reporting.		Printed and published, or published, by establishments reporting.			Printed for publication by others.	Printed and published, or published, by establishments reporting.	
			Subscriptions and sales.	Advertising.	Subscriptions and sales.	Advertising.		Printed for publication by others.	Printed for publication by others.	
UNITED STATES.....	30,611	\$1,536,408,283	\$192,810,510	\$373,501,800	\$85,180,863	\$154,707,488	\$22,013,267	\$132,699,383	\$32,801,475	
NEW ENGLAND.....	2,125	120,827,728	16,290,604	31,936,011	5,505,427	4,407,948	1,383,064	20,454,027	3,625,836	
Maine.....	166	5,755,370	621,242	1,311,994	1,050,542	1,171,824	24,050	31,825	49,276	
New Hampshire.....	128	2,461,938	343,616	707,797	28,541	37,451	325,537	15,880	199,256	
Vermont.....	106	1,715,263	250,142	441,307	20,070	41,401	52,002	35,970	57,530	
Massachusetts.....	1,195	90,136,994	12,485,075	22,527,505	4,155,310	2,911,803	895,755	10,410,077	2,080,768	
Rhode Island.....	141	7,004,048	797,608	2,611,697	40,607	183,770	15,528	11,064	533,211	
Connecticut.....	389	13,760,215	1,780,021	4,336,051	201,448	121,630	81,083	948,311	593,797	
MIDDLE ATLANTIC.....	7,166	586,602,081	67,624,532	104,449,925	48,045,140	100,197,072	10,123,177	73,511,914	15,208,809	
New York.....	4,179	411,077,045	40,535,807	63,889,825	38,002,218	62,221,442	8,775,043	61,203,522	12,630,815	
New Jersey.....	718	21,972,904	2,026,481	7,310,624	308,479	153,614	632,314	1,355,473	733,147	
Pennsylvania.....	2,269	153,552,132	16,062,241	33,249,476	9,014,443	37,822,016	715,820	10,880,919	1,923,847	
EAST NORTH CENTRAL.....	6,781	304,586,034	47,834,755	88,821,237	15,826,036	28,378,617	6,214,987	26,070,339	9,357,960	
Ohio.....	1,676	68,216,156	10,533,908	28,236,258	6,816,756	8,201,073	1,055,699	4,512,168	704,450	
Indiana.....	841	29,913,217	4,011,292	6,965,286	1,023,978	1,110,407	588,557	671,576	407,886	
Illinois.....	2,470	201,044,228	24,240,370	30,169,318	5,741,570	16,500,979	3,058,802	10,653,227	7,665,037	
Michigan.....	1,004	42,772,105	5,461,733	13,555,370	1,087,632	4,338,348	410,302	1,047,353	428,880	
Wisconsin.....	700	22,010,238	3,587,372	6,592,026	517,000	1,128,750	201,567	1,068,015	147,098	
WEST NORTH CENTRAL.....	5,208	149,707,130	20,244,335	45,454,327	4,906,426	11,010,751	1,810,052	5,070,071	1,378,700	
Minnesota.....	978	33,083,394	4,480,091	9,039,831	685,081	2,320,553	404,956	1,936,151	458,568	
Iowa.....	982	25,642,724	3,479,150	7,814,242	1,291,396	4,271,270	410,082	306,683	84,328	
Missouri.....	1,241	56,177,672	6,903,708	10,006,502	1,023,037	2,155,501	360,916	2,315,442	480,520	
North Dakota.....	318	3,225,027	3,039,926	1,171,017	93,677	18,725	3,777	2,500	8,490	
South Dakota.....	358	3,881,027	633,516	1,280,476	85,508	503,041	5,953	7,020	11,805	
Nebraska.....	688	15,085,433	2,251,176	5,342,138	610,882	405,256	441,104	445,357	43,309	
Kansas.....	733	12,701,062	1,850,708	4,113,111	922,426	1,374,436	115,130	60,318	103,886	
SOUTH ATLANTIC.....	2,318	85,360,410	11,088,086	28,250,246	5,301,370	3,478,374	745,158	2,494,115	1,237,098	
Delaware.....	56	1,433,207	189,443	601,463	13,532	10,323	10,070	-----	3,181	
Maryland.....	353	20,065,229	2,094,455	5,553,850	327,231	733,241	229,734	434,434	320,723	
District of Columbia.....	109	15,832,531	1,545,307	4,600,044	4,028,270	1,129,886	288,489	401,359	430,108	
Virginia.....	372	13,033,715	1,322,066	3,081,212	342,407	201,700	25,047	1,448,526	107,003	
West Virginia.....	224	4,837,019	807,282	1,821,833	40,326	40,265	8,211	22,357	135,387	
North Carolina.....	319	6,404,177	1,175,141	2,486,261	138,303	110,514	24,697	68,805	33,446	
South Carolina.....	174	4,004,634	976,620	1,707,607	129,652	41,056	29,560	6,442	114,316	
Georgia.....	414	14,092,432	2,388,259	5,220,915	278,235	1,010,074	109,715	50,378	41,493	
Florida.....	237	5,618,400	820,303	2,387,418	63,355	160,288	10,507	51,980	51,498	
EAST SOUTH CENTRAL.....	1,151	35,407,200	4,802,632	11,187,972	1,002,811	1,504,078	224,074	1,405,127	391,036	
Kentucky.....	380	10,605,320	1,518,303	3,338,047	353,011	200,523	40,319	30,688	50,671	
Tennessee.....	306	15,832,846	1,016,271	4,303,904	1,471,807	601,102	77,033	1,441,110	261,145	
Alabama.....	232	7,040,638	1,124,075	2,822,628	164,133	633,272	80,001	10,504	57,299	
Mississippi.....	103	2,006,496	303,803	723,303	3,770	3,121	20,121	6,825	21,321	
WEST SOUTH CENTRAL.....	2,136	65,184,441	7,023,504	21,737,430	875,131	1,700,051	346,011	630,765	288,429	
Arkansas.....	295	4,762,697	784,704	1,840,905	82,054	81,004	57,956	10,900	37,383	
Louisiana.....	250	7,021,800	1,255,697	3,081,000	90,500	222,611	82,731	15,015	96,202	
Oklahoma.....	507	10,212,272	1,384,034	4,403,481	150,372	400,300	62,432	61,430	97,081	
Texas.....	1,075	32,287,802	4,198,300	12,351,807	551,530	903,550	143,780	548,520	57,763	
MOUNTAIN.....	1,313	27,705,088	4,576,030	11,480,002	310,961	384,421	423,706	266,317	382,511	
Montana.....	247	4,702,589	912,005	1,084,675	33,382	40,544	24,100	1,880	18,038	
Idaho.....	159	2,175,151	300,280	814,010	57,305	63,860	4,708	4,238	27,070	
Wyoming.....	92	1,227,208	104,404	577,219	15,042	23,905	2,510	2,150	7,490	
Colorado.....	463	11,519,208	1,621,675	4,701,610	143,068	168,385	99,241	246,901	-----	
New Mexico.....	87	900,636	149,954	303,213	2,313	8,400	3,079	12,239	17,600	
Arizona.....	84	2,080,305	311,814	1,055,420	32,085	23,045	28,828	19,484	-----	
Utah.....	152	4,513,800	880,374	1,700,635	33,103	55,223	29,384	145,499	29,650	
Nevada.....	39	610,702	111,364	262,320	-----	1,040	1,250	1,250	16,353	
PACIFIC.....	2,323	80,750,902	12,673,542	30,475,731	1,300,652	3,510,576	1,630,338	1,782,108	1,001,090	
Washington.....	548	16,672,169	2,919,094	7,029,343	157,170	783,024	551,108	122,511	172,094	
Oregon.....	346	9,804,207	1,435,856	3,035,282	202,749	625,642	178,015	35,074	57,112	
California.....	1,420	54,274,580	8,318,503	19,511,106	1,006,733	2,231,010	898,185	1,023,923	771,894	

¹ In addition, printing and publishing, etc., to the value of \$5,017,801, was reported by establishments in other industries.

PRINTING AND PUBLISHING.

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TABLE 13.—INDUSTRY PROPER, BY GEOGRAPHIC DIVISIONS AND STATES: 1919—Continued.

DIVISION AND STATE.	SHEET MUSIC AND BOOKS OF MUSIC.		Engravings, lithographs, etc., printed for publication by others.	Ready prints (patent insides and outsides) for publication by others.	Stereotyped plates for use by others.	Job printing, not elsewhere included.	Machine composition done for others.	Book-binding.	Blank books.	Electro-typing, engraving, etc.	All other products.	
	Printed and published, or published, by establishments reporting.	Printed for publication by others.										
UNITED STATES.....	\$12,509,981	\$3,706,008	\$9,021,607	\$2,010,500	\$2,202,512	\$442,506,727	\$12,487,551	\$16,957,313	\$6,953,790	\$1,716,222	\$30,805,281	
NEW ENGLAND.....	1,642,327	40,545	533,104	42,805	76,338	30,229,486	663,112	2,520,684	139,639	258,388	1,038,423	
Maine.....			15,655			1,366,277	15,917	36,120	28,150	5,282	17,207	
New Hampshire.....						774,281	2,013	11,034			9,532	
Vermont.....						500	7,984	9,625			5,141	
Massachusetts.....	1,642,327	40,265	173,909	42,865	75,888	20,317,144	457,691	2,014,730	12,349	241,553	603,172	
Rhode Island.....			341,540			1,849,417	8,000	273,731	8,346		323,529	
Connecticut.....		280				5,148,295	171,557	175,444	82,294	11,553	107,842	
MIDDLE ATLANTIC.....	8,970,877	2,813,008	2,360,452	153,502	623,989	125,920,166	5,629,589	4,910,371	2,590,328	686,150	11,792,780	
New York.....	8,622,241	1,602,150	1,683,793	102,963	403,107	81,970,764	4,799,282	4,026,135	1,141,068	550,992	9,178,475	
New Jersey.....	3,701	3,067	7,241	55		9,519	8,866,978	134,316	277,478	9,441	77,848	
Pennsylvania.....	344,020	1,208,691	660,415	50,484	211,363	35,073,429	695,991	606,758	1,430,810	135,031	2,536,457	
EAST NORTH CENTRAL.....	1,436,018	826,630	2,036,030	444,862	701,429	141,587,098	3,257,629	5,917,512	2,278,073	583,252	12,100,670	
Ohio.....	434,624	330,708	1,143,621	79,815	123,505	31,764,355	720,713	882,092	1,148,890	110,064	1,267,277	
Indiana.....	17,298		120,876	91,665	64,129	9,793,448	422,752	166,387	205,006		673,665	
Illinois.....	975,400	375,800	197,765	105,223	448,276	75,253,026	1,876,766	4,318,242	850,835	401,998	8,008,574	
Michigan.....	8,606	117,865	265,893	68,390	37,568	16,697,055	84,830	438,687	39,464	46,948	1,718,112	
Wisconsin.....		2,197	307,875	90,709	30,891	8,169,214	152,508	117,104	33,878	24,272	433,012	
WEST NORTH CENTRAL.....	290,211	33,907	1,882,815	746,951	391,835	51,289,095	1,363,955	1,171,904	641,605	101,495	1,861,198	
Minnesota.....		951	561,233	122,784	84,270	11,241,483	499,733	671,652	56,804	92,087	366,316	
Iowa.....	2,208		55,971	174,250	62,005	7,081,013	89,998	75,879	37,928		397,145	
Missouri.....	283,303	32,956	1,002,327	194,842	111,042	22,300,071	558,654	214,464	445,983		626,914	
North Dakota.....				64,417	35,061	1,176,920	6,780	150	25		3,559	
South Dakota.....		2,022		25,836	19,242	1,206,656	3,243	24,182	53,544		18,483	
Nebraska.....	8,700		150,649	104,661	49,929	4,684,207	152,984	69,777	29,140	8,662	287,492	
Kansas.....		110,013	50,161	29,388		3,598,745	52,508	115,800	18,233	746	164,289	
SOUTH ATLANTIC.....	24,000	1,560	1,108,445	92,130	149,447	28,547,175	228,272	548,753	572,938	25,580	1,413,055	
Delaware.....						508,106						
Maryland.....	11,000	120	557,081	37,524	71,232	7,999,959	31,274	227,675	173,219		982,427	
District of Columbia.....						3,303,766	51,250				3,451	
Virginia.....	13,000	1,440	233,513			5,144,608	66,701	104,190	23,292		322,812	
West Virginia.....			52,156	600		1,773,604	150	45,177	26,678		2,514	
North Carolina.....			9,402	30,467	31,621	2,272,559	17	1,712	1,832		16,238	
South Carolina.....			59,644			1,028,194		129,121	42,109		27,475	
Georgia.....			193,250	23,540	43,594	4,609,495	37,284	39,330	5,658		74,510	
Florida.....			3,339			2,008,796	41,508	1,548	150		3,628	
EAST SOUTH CENTRAL.....	40,000	214,701	86,242	59,255	12,775,059	191,471	171,969	100,125	3,523	197,125		
Kentucky.....						4,873,140	24,935	9,889			93,704	
Tennessee.....	40,000	214,701	58,366	39,199	27,880	5,027,034	134,819	141,813	71,808		35,304	
Alabama.....					20,056	1,950,713	31,647	14,267	25,317	3,523	78,117	
Mississippi.....						917,572	70	3,000				
WEST SOUTH CENTRAL.....	72,433	608	342,900	247,207	119,502	19,292,236	282,597	312,217	326,051	5,000	908,740	
Arkansas.....	15,588		200	51,810	27,230	1,338,815	12,120	17,103	25,135		378,784	
Louisiana.....	1,080	608	5,240			2,720,115	51,276	113,085	25,360		153,622	
Oklahoma.....			27,735	91,817	33,706	3,223,698	42,278	19,303	44,005		7,791	
Texas.....	55,165		309,735	100,550	58,557	12,009,608	176,933	162,726	231,551	5,000	362,543	
MOUNTAIN.....				392,855	163,731	55,541	8,479,235	118,054	465,621	81,130	109,673	
Montana.....				12,730	51,294	960	1,517,131	38,829	17,884	47,344		61,894
Idaho.....						748,394	3,000	30,737	29,897		12	
Wyoming.....						391,691	1,135	7,000	3,000		412	
Colorado.....			103,806	75,968	34,413	3,466,179	42,321	351,225	258		131,255	
New Mexico.....						296,814		15,325			1,500	
Arizona.....						604,018	7,550	250				
Utah.....			270,319	36,469	19,658	1,225,545	25,219	43,200	631		1,000	
Nevada.....						229,433						
PACIFIC.....	68,115	690	750,245	34,016	112,176	24,387,177	752,872	938,282	223,901	52,834	1,200,617	
Washington.....		50	41,391	13,258	6,810	4,390,462	149,739	130,957	133,843	13,013	46,530	
Oregon.....			110,425		36,287	3,241,677	166,508	35,034	43,016		101,473	
California.....	60,246	640	598,420	20,758	60,070	16,755,038	436,627	772,291	47,012	39,821	1,112,614	

MANUFACTURES.

Printing and publishing, book and job.—Table 14 gives the statistics in considerable detail for the book and job branch of the industry for the leading states: 1919, 1914, and 1909.

New York was first in value of books and pamphlets printed and published and published only, with 43.8 per cent of the total; Massachusetts being second, with 18.3 per cent; and Illinois third, with 16.4 per cent. In 1914 Illinois was second and Massa-

chusetts third. In job printing New York was first, with 19.5 per cent of the total for the United States, Illinois second, with 18.2 per cent, and Pennsylvania third, with 7.9 per cent—the same order as in 1914. During the five years, 1914–1919, New York showed the greatest absolute increase in value of books and pamphlets printed and published, or published only, \$17,769,724; and Illinois the greatest in job printing, \$37,065,368.

TABLE 14.—COMPARATIVE SUMMARY, BOOK AND JOB, BY STATES: 1919, 1914, AND 1909.

STATE.	Cens. year.	Total value of products.	Newspapers and periodicals printed for publication by others.	BOOKS AND PAMPHLETS.		Music, printed and published, published only, or printed for publication by others; engravings, lithographs, ready prints, and plate matter.	Job printing, not elsewhere included.	Machine composition done for others.	Book-binding.	Blank books.	Electro-typing, engraving, etc.	All other products.
				Printed and published or published only.	Printed for publication by others.							
United States....	1919	\$597,643,228	\$19,106,326	\$83,618,830	\$30,385,972	\$14,976,483	\$382,422,718	\$0,985,228	\$15,131,776	\$6,658,071	\$1,421,684	\$23,856,134
	1914	307,330,861	7,407,590	43,535,482	17,632,013	6,005,123	106,082,104	5,270,803	9,498,144	3,772,649	3,451,780	7,324,508
	1909	250,925,934	6,081,624	44,304,621	9,100,643	5,053,128	157,000,380	.....	12,241,819	4,748,250	3,943,591	7,593,578
California.....	1919	19,871,377	830,549	583,042	742,730	732,701	14,351,737	430,018	775,745	44,472	39,821	1,358,563
	1914	9,885,477	187,084	802,031	207,474	231,841	7,393,594	201,710	504,420	55,030	143,909	97,778
	1909	7,438,072	218,417	463,172	132,016	73,776	5,812,574	.....	478,970	70,913	91,243	97,377
Illinois.....	1919	110,880,458	3,112,353	15,370,396	7,000,892	2,016,453	60,007,208	1,856,420	3,497,471	840,435	297,812	5,711,919
	1914	54,625,964	363,811	7,470,963	8,184,261	1,017,370	32,541,930	923,919	1,550,256	580,127	926,755	1,055,553
	1909	39,474,143	405,027	7,783,151	581,038	518,085	25,306,538	.....	2,243,405	614,502	927,566	1,034,082
Indiana.....	1919	10,741,232	450,209	505,410	387,030	274,020	7,807,300	288,528	165,775	139,077	.....	655,403
	1914	6,287,228	100,039	633,050	69,885	70,598	4,110,330	180,221	247,144	217,092	99,800	455,659
	1909	5,680,807	21,190	813,031	164,000	47,073	3,008,386	.....	380,111	209,800	296,573	131,694
Maryland.....	1919	10,600,650	99,991	306,400	308,518	605,057	7,528,505	43,053	227,155	472,054	.....	948,108
	1914	5,549,030	39,499	316,502	497,361	277,808	3,680,850	50,208	256,732	192,905	2,201	232,394
	1909	3,657,154	77,511	444,131	192,000	500	2,318,131	.....	231,929	58,040	172,636	101,676
Massachusetts.....	1919	41,620,850	601,089	17,120,007	1,071,473	263,258	18,548,172	411,571	2,013,030	7,290	241,553	382,717
	1914	20,243,240	330,769	6,507,223	1,494,860	70,234	10,220,054	272,711	973,272	20,916	250,423	91,888
	1909	17,138,051	320,126	5,158,126	1,334,841	125,733	8,604,920	.....	1,215,936	18,883	220,873	130,494
Michigan.....	1919	17,075,925	371,405	933,295	368,205	380,701	14,040,080	557,172	433,602	22,047	46,948	533,651
	1914	9,350,660	74,300	428,910	260,444	400,042	7,010,854	308,507	201,704	23,050	335,800	231,889
	1909	6,185,470	130,373	404,438	62,288	192,958	4,762,349	.....	130,397	54,128	166,429	153,119
Minnesota.....	1919	12,904,804	383,173	1,807,220	437,760	603,844	8,330,120	485,151	478,860	43,075	.....	268,877
	1914	7,652,223	90,333	1,861,250	100,701	240,438	4,074,802	246,087	160,535	82,030	47,070	125,850
	1909	4,002,128	85,408	235,471	90,280	270,645	3,410,377	.....	188,067	163,994	29,145	54,481
Missouri.....	1919	25,880,461	815,291	800,798	503,240	1,328,357	20,420,056	443,404	198,661	409,827	.....	1,265,287
	1914	12,434,192	155,218	611,452	322,851	824,472	6,490,658	322,175	138,678	383,520	39,876	445,283
	1909	12,240,060	90,577	658,011	185,708	478,602	9,214,400	.....	250,710	632,541	180,053	524,864
New Jersey.....	1919	9,569,344	555,070	.....	606,010	6,617	7,201,503	110,447	277,018	9,441	.....	732,339
	1914	4,201,465	100,820	34,130	830,884	317	3,223,971	38,281	8,206	15,073	30	24,645
	1909	3,655,413	10,816	210,070	62,573	3,049	3,053,911	.....	105,724	48,972	20,002	60,096
New York.....	1919	149,123,075	8,130,508	40,083,983	11,012,157	2,194,185	74,408,718	2,717,141	3,616,700	1,134,683	530,940	3,788,831
	1914	78,841,201	4,372,206	23,214,250	2,771,244	1,610,528	40,885,335	1,292,488	2,437,708	587,802	1,391,781	2,509,446
	1909	69,706,202	3,722,404	10,190,502	3,301,700	1,191,072	35,220,938	.....	3,317,700	641,110	504,703	2,509,446
Ohio.....	1919	39,201,084	910,016	3,487,106	719,338	1,732,932	28,720,554	625,443	760,911	1,140,042	61,600	1,033,833
	1914	19,015,250	225,048	1,631,210	105,897	415,707	15,233,034	207,696	615,920	431,404	167,342	708,947
	1909	14,987,412	327,014	2,812,093	563,400	462,390	9,533,806	.....	406,700	307,910	279,512	303,762
Pennsylvania.....	1919	46,152,747	555,306	8,307,940	1,472,240	1,169,006	30,079,200	390,440	508,072	1,393,707	133,011	2,051,185
	1914	25,285,844	250,830	4,288,249	881,072	204,000	17,743,300	186,595	427,224	487,164	271,627	545,093
	1909	21,810,516	311,449	2,122,702	1,018,003	250,514	14,107,336	.....	920,120	408,740	157,941	504,045
Texas.....	1919	12,233,688	105,650	522,526	40,112	453,226	10,221,704	160,321	100,440	228,805	3,000	328,889
	1914	4,711,163	46,830	233,025	35,231	180,201	3,405,884	134,824	204,120	168,105	89,085	157,903
	1909	4,110,307	15,614	285,502	48,700	140,304	2,587,550	.....	109,805	204,114	270,034	292,025
Wisconsin.....	1919	7,070,336	74,187	230,005	64,072	433,131	6,885,147	130,401	39,256	33,098	.....	62,978
	1914	4,230,861	60,270	252,768	100,786	220,750	3,343,323	60,210	71,814	15,871	51,105	33,966
	1909	2,950,012	10,917	120,383	131,021	35,752	2,420,802	.....	67,348	15,333	42,000	95,956
All other states.....	1919	83,043,688	2,530,860	2,355,540	3,380,587	1,740,405	64,238,706	1,307,809	1,888,030	701,819	68,090	4,833,753
	1914	44,038,498	1,918,835	1,209,617	1,035,050	1,204,508	33,025,136	744,641	1,610,249	735,042	431,328	1,724,026
	1909	37,270,438	847,361	1,502,058	1,181,248	1,240,105	27,050,203	.....	2,016,095	1,220,560	567,387	1,539,461

Comparative summary, books and pamphlets.—Table 15 shows the number of the leading issues of books and pamphlets, by character of publication, 1919, 1914, and 1909.

The increases during the five-year period 1914–1919 are pronounced. Educational books advanced 47 per

cent in number of copies, and juvenile books 49 per cent, while works on medicine and hygiene went forward 479.3 per cent. Copies of histories were more numerous in 1919 than in 1914 by 155.4 per cent; but fiction declined, by reason, perhaps, of the fiction periodicals,

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TABLE 15.—BOOKS AND PAMPHLETS, NUMBER: 1919, 1914, AND 1909.

CHARACTER.	NUMBER OF COPIES PRINTED.			PER CENT OF TOTAL.		
	1919	1914	1909	1919	1914	1909
	252,068,816	175,166,698	161,361,844	100.0	100.0	100.0
Total.....	252,068,816	175,166,698	161,361,844	100.0	100.0	100.0
Education.....	75,075,335	51,060,521	41,636,847	29.8	29.2	25.8
Fiction.....	24,317,643	39,598,501	40,942,319	9.6	22.6	29.1
History.....	6,280,483	2,458,912	2,023,187	2.5	1.4	1.8
Juvenile.....	24,434,912	16,300,881	10,184,030	9.7	9.4	6.3
Law.....	2,254,561	1,701,602	1,496,104	0.9	1.0	0.9
Medicine and hygiene.....	13,530,464	2,337,312	1,619,480	5.4	1.3	0.9
Philosophy.....	538,775	189,936	265,077	0.2	0.1	0.2
Poetry and drama.....	2,082,508	1,926,892	1,980,824	1.1	1.1	1.2
Religion and theology (including Bibles).....	36,490,230	24,411,502	23,608,230	14.5	13.9	14.6
Scientific and similar associations.....	1,140,046	1,279,427	1,258,502	0.5	0.7	0.8
Works of reference.....	15,832,195	11,032,385	7,709,500	6.3	6.3	4.8
All others.....	40,466,404	22,760,707	21,747,424	19.6	13.0	13.5

In comparing the figures of the censuses, it must be remembered that the totals include pamphlets as well as books, and that the number of pamphlets may increase from census to census in greater proportion than books, due, in part, to the high cost of materials and the consequent lack of demand for certain kinds of cloth-bound literature.

Printing and publishing, music.—Table 16 shows, by states, the value of products of establishments engaged chiefly in music printing and publishing, and music publishing, and those engaged wholly in music printing for others, 1919, 1914, and 1909. New York continued to lead, as at previous censuses, in total volume of output, with 67.5 per cent of the total, as compared with 49.9 per cent in 1914; in per cent of increase, however, Massachusetts led.

TABLE 16.—COMPARATIVE SUMMARY, MUSIC, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	TOTAL.			PER CENT OF INCREASE. ¹			SHEET MUSIC AND BOOKS OF MUSIC.			ALL OTHER PRODUCTS. ²		
	1919	1914	1909	1909-1919	1914-1919	1909-1914	1919	1914	1909	1919	1914	1909
				1919	1914	1914-1919						
United States.....	\$14,502,177	\$7,271,260	\$6,575,903	101.7	100.7	30.4	\$12,509,981	\$6,088,746	\$4,581,342	\$1,923,546	\$712,509	\$848,038
Illinois.....	975,400	1,042,794	946,517	3.1	-6.5	10.2	975,400	879,905	889,466	.....	98,524	33,981
Massachusetts.....	1,642,327	580,264	352,312	306.2	209.7	50.5	1,642,327	530,264	352,312	.....	64,365	23,070
New York.....	9,834,208	3,031,522	3,110,433	216.5	171.1	16.8	8,022,244	3,051,953	2,583,342	1,222,024	567,117	412,781
Ohio.....	434,624	484,344	384,537	13.0	-10.3	26.0	434,624	409,544	309,605	.....	74,932	74,800
Pennsylvania.....	344,929	364,194	375,823	-8.2	-5.3	-3.1	344,929	310,320	261,917	.....	112,099	53,874
All other states ⁴	1,350,020	1,218,148	406,281	232.4	10.9	199.8	490,457	906,760	184,700	701,522	46,928	214,245
										158,650	264,460	7,336

¹ A minus sign (—) denotes decrease.

² To avoid disclosing the operations of individual establishments in 1919, receipts for music "Printed by music houses for publication by others" and for "All other products" reported in Illinois, Massachusetts, Ohio, and Pennsylvania are excluded from the figures given for those states and are included with those for "All other states"; in 1914 the same applies only to Massachusetts.

³ Includes, for 1919, job printing to the value of \$135,692, bookbinding to the value of \$18,984, and machine composition to the value of \$3,974; for 1914, periodicals to the value of \$93,177, books and pamphlets to the value of \$21,921, electrotyping, engraving, lithographing, and stereotyped plates to the value of \$115,557, job printing to the value of \$10,356, and other products to the value of \$210,940; for 1909, books and pamphlets to the value of \$53,748, job printing to the value of \$6,784, bookbinding and blank books to the value of \$37,219, and other products to the value of \$43,792.

⁴ Includes, for 1919, Arkansas, California, Indiana, Iowa, Louisiana, Maryland, Michigan, Missouri, Nebraska, Texas, and Virginia.

Comparative summary, newspapers and periodicals, by value of products.—Table 17 shows in detail the value of products of establishments engaged primarily in printing and publishing, or publishing only, of newspapers and periodicals for 1919, 1914, and 1909.

The great advance in values shown elsewhere as an aftermath of the World War is shown also in this table. The total increase for the five-year period 1914-1919 was \$428,246,930, or 86.4 per cent. During this five-year period the book and job part of the various establishments increased 55.4 per cent, and the "all other" 35.6 per cent. The newspapers and periodicals rose by 92.5 per cent, advertising showing the greatest gain. The decrease in ready prints and stereotyped plates is indicative of a greater activity in newspapers wholly set in offices where published.

Comparative summary, newspapers and periodicals, by character of publications.—Table 18 shows the number of newspapers and periodicals, by character, for states: 1919, 1914, and 1909.

In number of publications, for "news, politics, and family reading," Illinois was first in 1919 as in 1914, with New York second, and Texas third. New York led in periodicals classified as "general literature," Illinois following. "Labor" was another classification in which New York led, Ohio being second. Pennsylvania was first in "Religious" periodicals, Illinois ranking second. The far-away leader in "Society, art, music, and fashion" periodicals was New York, Illinois being a distant second. In "Trade journals," likewise, New York was first and Illinois second.

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TABLE 17.—COMPARATIVE SUMMARY, NEWSPAPERS AND PERIODICALS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

KIND.	1919			1914			1909			PER CENT OF INCREASE,		
			Per cent of total.			Value.			Value.			1909- 1919
	Value.	Per cent of total.		Value.	Per cent of total.		Value.	Per cent of total.		Value.	Per cent of total.	
Total.....	\$921,152,878	100.0		\$495,005,048			\$106,000,122			127.6	86.4	22.1
Newspapers and periodicals.....	806,305,760	87.2		418,818,707			337,540,528			138.9	92.5	24.1
Advertising.....	528,200,378	57.2		255,421,144			202,527,025			180.8	106.8	26.1
Subscriptions and sales.....	278,000,382	30.1		163,427,503			135,021,603			105.9	70.1	21.0
Book and job printing.....	105,023,077	11.4		67,509,014			62,022,414			69.3	55.4	9.0
Books and pamphlets.....	37,060,164	4.0		20,357,413			19,516,591			89.0	82.1	4.3
Sheet music and books of music.....	1,115,880	0.1		638,303			903,989			23.4	74.8	-29.4
Engravings, lithographs, etc.....	811,507	0.1		301,118			374,230			116.0	109.5	-19.5
Ready prints.....	68,593	(2)		252,131			744,497			-90.8	-72.8	-66.1
Stereotyped plates.....	40,010	(2)		160,200			74,202			-45.2	-74.6	116.0
Job printing, not elsewhere included.....	65,920,107	7.1		45,880,090			40,408,905			63.1	43.6	13.6
All other products or work.....	12,821,011	1.4		9,458,227			6,518,180			96.7	35.6	45.1
Bookbinding.....	1,844,846	0.2		1,439,831			1,340,131			37.7	28.1	7.4
Blank books.....	323,035	(2)		380,500			442,973			-26.9	-15.0	-14.1
Electrolyzing, engraving, etc.....	201,901	(2)		901,250			471,676			-43.8	-70.7	91.7
Machine composition.....	319,440	(2)		411,230			(3)			-15.0	-15.0	-15.0
Miscellaneous.....	10,011,216	1.1		6,322,317			4,263,400			135.5	58.8	48.3

¹ A minus sign (—) denotes decrease.² Less than one-tenth of 1 per cent.³ Not reported separately.

TABLE 18.—COMPARATIVE SUMMARY, NEWSPAPERS AND PERIODICALS, BY LEADING STATES: 1919, 1914, AND 1909.

CHARACTER OF PUBLICATION, AND STATE.	NUMBER.			CHARACTER OF PUBLICATION, AND STATE.	NUMBER.			CHARACTER OF PUBLICATION, AND STATE.	NUMBER.			CHARACTER OF PUBLICATION, AND STATE.	NUMBER.		
	1919	1914	1909		1919	1914	1909		1919	1914	1909		1919	1914	1909
NEWS, POLITICS, AND FAMILY READING.				COMMERCIAL, FINANCIAL, INSURANCE, RAILROADS, ETC.				LABOR.				RELIGIOUS.			
United States.....	15,740	17,574	17,098	United States....	204	323	264	United States....	182	163	(*)	United States....	1,102	1,412	1,251
California.....	690	705	674	Illinois.....	25	35	23	California.....	10	13		Illinois.....	131	153	123
Illinois.....	996	1,004	1,169	Michigan.....	7	11	5	Illinois.....	17	13		Massachusetts.....	63	76	55
Indiana.....	650	655	718	New York.....	90	86	91	Michigan.....	3	7		New York.....	119	148	135
Iowa.....	731	838	891	Pennsylvania.....	20	27	24	Missouri.....	10	12		Ohio.....	116	140	142
Kansas.....	605	606	679	All other states....	152	104	121	New York.....	23	12		Pennsylvania.....	173	276	252
Massachusetts.....	339	307	326	EDUCATION AND HISTORY.				Tennessee.....	85	75	53	Tennessee.....	85	75	53
Michigan.....	525	600	634	United States....	164	231	202	All other states....	475	544	491	All other states....	475	544	491
Minnesota.....	653	680	643	ILLINOIS.....	20	27	33	LAW.	50	65	50	SCIENCE AND MECHANICS.	246	135	139
Missouri.....	680	770	707	Massachusetts.....	10	21	18	United States....	50	65	50	United States....	9	9	4
Nebraska.....	541	577	558	New York.....	33	51	37	Illinois.....	3	5	10	District of Columbia	24	21	26
New York.....	906	1,075	1,080	Pennsylvania.....	10	19	15	Massachusetts.....	1	2	3	Illinois.....	104	46	52
Ohio.....	706	815	882	All other states....	105	113	90	Michigan.....	5	4	4	New York.....	19	12	20
Oklahoma.....	454	562	573	FRATERNAL.				Missouri.....	6	3	4	Pennsylvania.....	9	16	12
Pennsylvania.....	781	937	1,013	United States....	314	312	1,410	New York.....	12	8	8	SOCIETY, ART, MUSIC, AND FASHION.	227	212	164
South Dakota.....	343	369	384	Illinois.....	36	32	49	United States....	32	43	27	United States....	25	14	10
Texas.....	707	898	857	Indiana.....	11	10	17	Illinois.....	186	178	197	Illinois.....	14	7	9
Washington.....	297	356	322	Iowa.....	12	5	10	Massachusetts.....	14	13	10	Massachusetts.....	114	95	75
Wisconsin.....	501	558	596	Massachusetts.....	11	13	22	Michigan.....	26	17	20	Michigan.....	29	46	25
All other states....	4,501	5,073	4,902	Nebraska.....	11	0	10	Missouri.....	6	7	11	Missouri.....	13	18	15
AGRICULTURE, HORTICULTURE, DAIRYING, STOCK RAISING, ETC.				New York.....	25	30	37	New York.....	42	42	42	Pennsylvania.....	32	38	37
United States....	334	346	316	Ohio.....	23	15	30	Pennsylvania.....	19	16	18	Michigan.....	231	285	191
Illinois.....	39	35	36	All other states....	185	201	244	All other states....	78	83	87	Ohio.....	51	46	42
Iowa.....	21	12	21	GENERAL LITERATURE.				Illinois.....	27	23	29	Pennsylvania.....	57	69	62
New York.....	32	34	28	United States....	220	284	310	Massachusetts.....	9	17	13	All other states....	227	239	211
Ohio.....	9	10	7	Illinois.....	7	2	6	Massachusetts.....	6	13	7	Illinois.....	127	134	102
Pennsylvania.....	14	13	12	Kansas.....	1	4	5	Michigan.....	3	8	8	Massachusetts.....	29	46	25
All other states....	210	242	212	Maine.....	2	6	10	Missouri.....	3	8	8	Michigan.....	13	18	15
COLLEGE AND SCHOOL PERIODICALS.				Massachusetts.....	9	15	18	New York.....	10	44		Missouri.....	32	38	37
United States....	415	303	271	New York.....	88	116	112	Ohio.....	5	30		New York.....	51	46	42
Illinois.....	21	14	28	Pennsylvania.....	8	17	14	Pennsylvania.....	6	11		Pennsylvania.....	57	69	62
Massachusetts.....	35	24	17	All other states....	8	10	17	All other states....	31	49		All other states....	227	239	211
New York.....	37	34	26	Illinois.....	63	79	108	United States....	85	170	(*)	United States....	69	104	139
Pennsylvania.....	28	33	29	Massachusetts.....	10	7	14	Illinois.....	3	22	17	Illinois.....	3	22	17
Texas.....	10	10	13	Ohio.....	8	17	14	Massachusetts.....	4	6	9	Massachusetts.....	4	6	39
All other states....	284	180	158	Pennsylvania.....	8	10	17	New York.....	19	22	22	New York.....	43	114	74
				All other states....	63	79	108	All other states....	31	49		All other states....	43	114	74

¹ Includes a number of labor publications.² Included in "Fraternal."³ Included in other classifications, principally "Religious," "Medicine and surgery," "Law," "Education and history," and "Miscellaneous."

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Newspapers and periodicals, number and circulation per issue.—Table 19 shows the number and aggregate circulation per issue of the daily and Sunday newspapers, and of the weekly, monthly, and other publications, 1919, 1914, and 1909.

Number and character of periodicals, by states.—Table 20 gives the number of periodicals, by character of the publication, by states, for 1919.

TABLE 19.—NEWSPAPERS AND PERIODICALS, PRINCIPAL CLASSES, BY NUMBER AND CIRCULATION: 1919, 1914, AND 1909.

CLASS.	1919	1914	1909	PER CENT OF INCREASE. ¹			PER CENT DISTRIBUTION.		
				1909-1919	1914-1919	1909-1914	1919	1914	1909
All classes:									
Number.....	20,489	22,754	22,141	-7.5	-10.0	2.8	100.0	100.0	100.0
Aggregate circulation per issue.....	222,481,983	205,594,907	164,463,040	35.3	8.2	25.0	100.0	100.0	100.0
Daily:									
Number.....	2,441	2,580	2,600	-6.1	-5.4	-0.8	11.9	11.3	11.7
Aggregate circulation per issue.....	33,028,630	28,777,454	24,211,977	36.4	14.8	18.9	14.8	14.0	14.7
Sunday:									
Number.....	604	571	520	16.2	5.8	9.8	2.9	2.5	2.3
Aggregate circulation per issue.....	19,308,913	16,479,943	13,347,292	45.1	17.5	23.5	8.7	8.0	8.1
Triweekly:									
Number.....	93	84	73	27.4	10.7	15.1	0.5	0.4	0.3
Aggregate circulation per issue.....	492,286	549,495	335,389	46.8	-10.4	63.8	0.2	0.3	0.2
Semiweekly:									
Number.....	452	583	635	-28.8	-22.5	-8.2	2.2	2.6	2.9
Aggregate circulation per issue.....	2,020,165	2,483,629	2,312,919	-12.7	-18.7	7.4	0.9	1.2	1.4
Weekly:									
Number.....	13,375	15,172	15,097	-11.4	-11.8	0.5	65.3	66.7	68.2
Aggregate circulation per issue.....	51,902,121	50,330,963	40,822,965	27.1	3.1	23.3	23.3	24.5	24.8
Monthly:									
Number.....	2,647	2,822	2,491	6.3	-6.2	13.3	12.9	12.4	11.3
Aggregate circulation per issue.....	91,681,807	79,190,838	63,280,535	44.9	15.8	25.1	41.2	38.5	38.5
Quarterly:									
Number.....	459	500	301	35.5	-2.2	38.5	2.4	2.2	1.6
Aggregate circulation per issue.....	18,920,544	18,853,901	16,058,069	17.8	0.4	17.4	8.5	9.2	9.8
All other classes:									
Number.....	388	442	364	6.6	-12.2	21.4	1.9	1.9	1.6
Aggregate circulation per issue.....	5,067,517	8,922,684	4,093,874	23.8	-43.2	118.0	2.3	4.3	2.5

¹ A minus sign (-) denotes decrease.

TABLE 20.—PERIODICALS, BY CHARACTER OF PUBLICATION AND BY LEADING STATES: 1919.

CHARACTER OF PUBLICATION, AND STATE.	Number.	CHARACTER OF PUBLICATION, AND STATE.	Number.	CHARACTER OF PUBLICATION, AND STATE.	Number.	CHARACTER OF PUBLICATION, AND STATE.	Number.	CHARACTER OF PUBLICATION, AND STATE.	Number.
AERONAUTICS.									
United States.....	4	ARCHITECTURE AND BUILDING.		BUSINESS THEORY AND OFFICE ECONOMY.		COLLEGE AND SCHOOL PERIODICALS—continued.			
New York.....	4	United States.....	47	United States.....	16	Vermont.....	3		
AGRICULTURE, HORTICULTURE, STOCK AND POULTRY RAISING, ETC.		California.....	3	Illinois.....	5	Virginia.....	9		
United States.....	334	Georgia.....	3	New York.....	6	Washington.....	9		
Alabama.....	3	Illinois.....	5	All other states.....	5	West Virginia.....	3		
Arizona.....	4	Massachusetts.....	9			Wisconsin.....	14		
California.....	14	New York.....	22			All other states.....	15		
Colorado.....	4	Ohio.....	6						
District of Columbia.....	3	All other states.....	19						
Florida.....	3	AUTOMOBILES, MOTOR BOATS, GAS ENGINES, ETC.							
Georgia.....	4	United States.....	63	COLLEGE AND SCHOOL PERIODICALS.		COMMERCE, FINANCE, INSURANCE, ETC.			
Illinois.....	30	Illinois.....	7	United States.....	415	United States.....	178		
Indiana.....	14	Massachusetts.....	9	Alabama.....	3	California.....	10		
Iowa.....	21	New York.....	22	Arkansas.....	5	Colorado.....	4		
Kansas.....	9	Ohio.....	6	Colorado.....	12	Connecticut.....	3		
Kentucky.....	5	All other states.....	19	Connecticut.....	13	Georgia.....	3		
Louisiana.....	3	AUTOMOBILES, MOTOR BOATS, GAS ENGINES, ETC.		Illinois.....	5	Illinois.....	21		
Maine.....	3	United States.....	57	Michigan.....	7	Indiana.....	14		
Marlboro.....	5	Illinois.....	7	Minnesota.....	11	Iowa.....	8		
Massachusetts.....	10	Massachusetts.....	9	Mississippi.....	3	Kansas.....	16		
Michigan.....	13	New York.....	20	Missouri.....	8	Kentucky.....	8		
Minnesota.....	15	Ohio.....	7	Nebraska.....	8	Louisiana.....	4		
Missouri.....	16	Pennsylvania.....	6	Nebraska.....	35	Maryland.....	8		
Montana.....	8	Rhode Island.....	4	Michigan.....	14	Massachusetts.....	35		
Nebaska.....	10	Wisconsin.....	5	Michigan.....	14	Michigan.....	10		
New Hampshire.....	3	All other states.....	12	Minnesota.....	11	Mississippi.....	3		
New Jersey.....	4			Missouri.....	17	Missouri.....	5		
New York.....	32	BLIND (IN RAISED TYPE).		Nebraska.....	15	Oklahoma.....	4		
Oklahoma.....	3	United States.....	5	New Hampshire.....	4	Ohio.....	5		
Ohio.....	9	United States.....	5	New Jersey.....	7	Pennsylvania.....	14		
Oregon.....	11	All states.....	5	New Jersey.....	7	Texas.....	3		
Pennsylvania.....	14			New York.....	37	All other states.....	16		
South Dakota.....	7			North Carolina.....	5				
Texas.....	13	BOOK REVIEWS, LIBRARY ECONOMY, ETC.		Ohio.....	22				
Utah.....	4	United States.....	6	Oregon.....	3				
Virginia.....	3	All states.....	6	Pennsylvania.....	28				
Washington.....	4			South Carolina.....	10				
Wisconsin.....	5			South Dakota.....	5				
All other states.....	16			Tennessee.....	11	United States.....	13		
		All states.....	6	Tennessee.....	10	New York.....	4		
				Tennessee.....	5	All other states.....	9		

MANUFACTURES.

TABLE 20.—PERIODICALS, BY CHARACTER OF PUBLICATION AND BY LEADING STATES: 1919—Continued.

CHARACTER OF PUBLICATION, AND STATE.	Num- ber.	CHARACTER OF PUBLICATION, AND STATE.	Num- ber.	CHARACTER OF PUBLICATION, AND STATE.	Num- ber.	CHARACTER OF PUBLICATION, AND STATE.	Num- ber.
EDUCATION, PHILOLOGY, AND LITERARY TECHNIQUE.		LABOR (BY LABOR ORGANIZATIONS).		RACE PAPERS, INDIAN, NEGRO, ETC.		SPORTS, GAMES, AND AMUSEMENTS.	
United States.....	119	United States.....	182	United States.....	32	United States.....	73
District of Columbia.....	4	California.....	10	New York.....	4	California.....	
Illinois.....	18	District of Columbia.....	6	Ohio.....	3	Illinois.....	5
Iowa.....	3	Illinois.....	17	All other states.....	25	Massachusetts.....	14
Maryland.....	6	Indiana.....	19			Missouri.....	3
Massachusetts.....	12	Kansas.....	5			New York.....	3
Missouri.....	3	Kentucky.....	5			Ohio.....	30
New York.....	21	Maryland.....	3	RELIGION.		Pennsylvania.....	6
Ohio.....	6	Michigan.....	3	United States.....	1,162	All other states.....	9
Pennsylvania.....	5	Minnesota.....	3				
Tennessee.....	3	Missouri.....	10				
Wisconsin.....	8	Nebraska.....	3				
All other states.....	30	New Jersey.....	5				
ENGINEERING.		New York.....	23	TRADE JOURNALS, NOT ELSEWHERE SPECIFIED.			
United States.....	62	North Carolina.....	3	United States.....	767		
Illinois.....	8	Oklahoma.....	3	California.....			
New York.....	40	Ohio.....	19	Colorado.....			
All other states.....	14	Oregon.....	3	Connecticut.....			
FICTION (WHOLLY).		Pennsylvania.....	10	District of Columbia.....			
United States.....	40	Tennessee.....	4	Florida.....			
California.....	3	Texas.....	6	Georgia.....			
Illinois.....	4	Washington.....	3	Illinois.....			
New York.....	34	All other states.....	19	Florida.....			
All other states.....	5	LAW.		Georgia.....			
FRATERNAL ORDERS, CLUBS, AND SOCIETIES.		United States.....	50	Illinois.....			
United States.....	314	Illinois.....	3	Kansas.....			
Arkansas.....	4	Michigan.....	5	Louisiana.....			
California.....	20	Missouri.....	6	Louisiana.....			
Colorado.....	4	New York.....	12	Maryland.....			
Connecticut.....	4	Ohio.....	5	Massachusetts.....			
District of Columbia.....	5	Pennsylvania.....	10	Michigan.....			
Illinois.....	36	All other states.....	12	Minnesota.....			
Indiana.....	11	MEDICINE, SURGERY, AND DENTISTRY.		Mississippi.....			
Iowa.....	12	United States.....	150	Missouri.....			
Kansas.....	5	California.....	5	Nebraska.....			
Kentucky.....	3	Illinois.....	24	New Jersey.....			
Louisiana.....	4	Kentucky.....	4	New York.....			
Massachusetts.....	11	Louisiana.....	3	North Carolina.....			
Michigan.....	11	Maryland.....	4	Oklahoma.....			
Minnesota.....	14	Michigan.....	3	Ohio.....			
Missouri.....	11	Missouri.....	14	Oregon.....			
Nebraska.....	11	Nebraska.....	3	Pennsylvania.....			
New Jersey.....	11	New Jersey.....	3	Rhode Island.....			
New York.....	7	New York.....	29	Texas.....			
Ohio.....	25	Ohio.....	6	Washington.....			
Oregon.....	4	Pennsylvania.....	16	Wisconsin.....			
Pennsylvania.....	30	Tennessee.....	3	All other states.....	11	TRANSPORTATION, RAILROADS, WATERWAYS, ETC.	
Texas.....	12	All other states.....	24	United States.....	70		
Virginia.....	4	MILITARY AND NAVAL AFFAIRS.		Illinois.....			
Washington.....	6	United States.....	20	Massachusetts.....			
West Virginia.....	4	District of Columbia.....	6	Michigan.....			
Wisconsin.....	13	New York.....	3	Missouri.....			
All other states.....	20	Virginia.....	4	New York.....			
HEALTH, HYGIENE, AND NURSING.		All other states.....	7	Pennsylvania.....			
United States.....	35	MOTION PICTURES.		All New Jersey.....			
District of Columbia.....	4	United States.....	20	All New York.....			
Massachusetts.....	5	New York.....	9	All Pennsylvania.....			
Michigan.....	3	Pennsylvania.....	3	All other states.....	6	TRAVEL, DESCRIPTION, OUT-OF- DOORS, ETC.	
New York.....	13	All other states.....	8	United States.....	30		
Pennsylvania.....	3	SOCIETY, FASHION, BEAUTY CULTURE, ETC.		California.....			
All other states.....	7	United States.....	71	New York.....			
HISTORY AND GENEALOGY.		New York.....	53	Pennsylvania.....			
United States.....	27	Pennsylvania.....	18	All other states.....	14		
Massachusetts.....	3	All other states.....	8	TECHNOLOGY.			
New York.....	5	SOCIETY, FASHION, BEAUTY CULTURE, ETC.		United States.....	3		
Pennsylvania.....	4	United States.....	71	All states.....	3		
All other states.....	15	All other states.....	8				
JUVENILE, BOY SCOUTS, ETC.		SOCIETY, FASHION, BEAUTY CULTURE, ETC.					
United States.....	35	United States.....	85				
Indiana.....	4	California.....	11	California.....			
Iowa.....	4	Illinois.....	19	Illinois.....			
Missouri.....	4	Iowa.....	3	Indiana.....			
Nebraska.....	4	Massachusetts.....	8	Massachusetts.....			
New York.....	7	Minnesota.....	6	Minnesota.....			
Pennsylvania.....	3	Missouri.....	5	Missouri.....			
All other states.....	9	New York.....	55	New York.....			
		North Carolina.....	4	Ohio.....			
		Ohio.....	4	Pennsylvania.....			
		Pennsylvania.....	0	Pennsylvania.....			
		Texas.....	5	Wisconsin.....			
		All other states.....	29	All other states.....	20	MISCELLANEOUS.	

Daily newspapers, number of morning and evening.—Table 21 shows separately the number of the morning and evening papers, by geographic divisions and by states: 1919, 1914, and 1909. The Middle Atlantic division had the largest number of morning issues in

1919, and the East North Central the largest number of evening editions. New York led among the states in morning editions, while Pennsylvania was first in evening. Pennsylvania and California tied for second place in morning editions and New York and Ohio in evening.

TABLE 21.—DAILY NEWSPAPERS, MORNING AND EVENING, BY GEOGRAPHIC DIVISIONS AND STATES: 1919, 1914, AND 1909.

DIVISION AND STATE.	TOTAL.			MORNING.			EVENING.			DIVISION AND STATE.	TOTAL.			MORNING.			EVENING.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909	1919	1914	1909
	2,441	2,580	2,600	720	704	760	1,721	1,786	1,840		31	33	34	10	11	11	21	22	23
UNITED STATES.....	2,441	2,580	2,600	720	704	760	1,721	1,786	1,840	SOUTH ATLANTIC—Con.	31	33	34	10	11	11	21	22	23
NEW ENGLAND.....	160	179	172	41	41	45	128	138	127	West Virginia.....	31	33	34	10	11	11	21	22	23
Maine.....	12	15	14	5	7	7	7	8	7	North Carolina.....	33	29	31	9	12	9	24	17	22
Massachusetts.....	84	93	86	18	18	15	66	75	71	South Carolina.....	17	16	13	7	8	5	10	8	8
Rhode Island.....	12	12	12	3	2	4	9	10	8	Georgia.....	30	29	27	10	12	14	20	17	13
Connecticut.....	36	36	38	8	9	11	28	27	27	Florida.....	35	26	19	11	11	7	24	15	12
New Hampshire and Vermont.....	25	23	22	7	5	8	18	18	14	Delaware and District of Columbia.....	9	14	12	5	8	7	4	6	5
MIDDLE ATLANTIC.....	455	504	508	155	165	166	300	339	342	EAST SOUTH CENTRAL.....	88	91	95	26	34	39	62	57	56
New York.....	214	234	231	86	88	84	128	146	147	Kentucky.....	32	33	35	12	16	16	20	17	19
New Jersey.....	40	46	54	11	13	19	29	33	35	Tennessee.....	18	17	16	6	8	7	12	9	9
Pennsylvania.....	201	224	223	58	64	63	143	160	160	Alabama.....	24	24	26	5	5	11	19	19	15
EAST NORTH CENTRAL.....	601	671	702	144	160	156	457	511	546	Mississippi.....	14	17	18	3	5	5	11	12	13
Ohio.....	165	181	181	37	44	37	128	137	147	WEST SOUTH CENTRAL.....	226	218	218	65	60	53	161	158	165
Indiana.....	138	160	172	31	38	38	107	122	134	Arkansas.....	32	33	29	11	7	6	21	26	23
Illinois.....	168	184	194	50	47	51	118	137	143	Louisiana.....	17	19	23	5	7	6	12	12	17
Michigan.....	73	80	87	17	19	20	56	61	67	Oklahoma.....	62	59	67	11	11	15	51	48	52
Wisconsin.....	67	66	65	9	12	10	48	54	55	Texas.....	115	107	99	38	35	26	77	72	73
WEST NORTH CENTRAL.....	322	339	344	88	102	77	234	237	267	MOUNTAIN.....	133	125	137	49	51	54	84	74	83
Minnesota.....	50	51	42	12	17	10	38	34	32	Montana.....	22	21	17	11	10	6	11	11	11
Iowa.....	58	68	68	13	18	15	45	50	53	Colorado.....	44	44	53	14	18	19	30	26	34
Missouri.....	81	89	91	21	30	20	60	59	71	Arizona.....	20	16	19	8	7	8	12	9	11
Nebraska.....	29	34	34	15	11	11	14	23	23	Nevada.....	7	11	15	4	3	7	3	8	8
Kansas.....	70	69	78	17	17	12	53	52	66	Idaho, Wyoming, New Mexico, and Utah.....	40	33	33	12	13	14	28	20	19
North Dakota and South Dakota.....	34	28	31	10	9	9	24	19	22	PACIFIC.....	243	255	238	80	97	95	163	158	143
SOUTH ATLANTIC.....	204	198	186	72	84	75	132	114	111	Washington.....	42	43	41	14	17	17	28	26	24
Maryland.....	18	19	18	7	9	9	11	10	9	Oregon.....	33	34	31	8	12	13	25	22	18
Virginia.....	31	32	32	13	13	13	18	19	19	California.....	168	178	166	58	68	65	110	110	101

Daily newspapers in leading cities.—Table 22 shows for 12 of the important cities in the United States the average circulation per issue of the morning and the evening papers, and per cent of increase from census to census, 1919, 1914, and 1909. The 12 leading cities combined, which are arranged in the order of their population, reported 54.4 per cent of the morning circulation in the United States in 1919, and 37.6 per cent

of the evening. Their evening circulation in that year formed 52.9 per cent of the total daily circulation of the 12 cities, and represented an increase of 9.8 per cent for the period 1914–1919, as compared with 8.2 per cent for the morning circulation. New York City was first, with 32 per cent of the total evening circulation in the 12 cities, and 34.4 per cent of the morning, Chicago being second.

TABLE 22.—MORNING AND EVENING NEWSPAPERS IN CITIES OF 500,000 INHABITANTS IN 1920—CIRCULATION: 1919, 1914, AND 1909.

CITY. ¹	AVERAGE CIRCULATION PER ISSUE.												PER CENT OF TOTAL.									
	Morning.						Evening.						Morning.			Evening.						
	1919		1914		1909		Per cent of increase. ²			1919		1914		Per cent of increase. ²			1919		1914		1909	
							1909-1919	1914-1919	1909-1914			1909-1919	1914-1919	1909-1914								
United States.....	12,582,841	11,692,368	9,605,604	31.0	7.6	21.7	20,445,780	17,085,080	14,600,283	40.0	19.7	17.0	38.1	40.6	39.7	61.9	59.4	60.3				
Total for 12 cities.....	6,844,050	6,327,481	5,217,877	31.2	8.2	21.3	7,673,660	6,990,762	6,561,118	17.0	9.8	6.5	47.1	47.5	44.3	52.9	52.5	55.7				
New York, N. Y.....	2,352,944	2,393,001	1,800,820	30.2	-1.7	32.5	2,453,547	2,121,609	2,284,102	7.4	15.6	-7.1	49.0	53.0	44.2	51.0	47.0	55.8				
Chicago, Ill.....	1,319,038	813,528	755,083	74.5	62.1	77.7	1,238,839	1,234,474	1,053,642	17.6	0.4	17.2	51.6	39.7	41.8	48.4	60.3	58.2				
Philadelphia, Pa.....	926,906	797,813	753,309	-16.8	-21.4	5.9	744,994	545,003	520,288	-4.5	36.7	-30.2	45.7	59.4	49.1	54.3	40.6	50.9				
Detroit, Mich.....	101,349	124,801	70,695	171.1	53.3	76.8	354,574	295,049	213,485	66.1	20.2	38.2	35.1	29.7	24.9	64.9	70.3	75.1				
Cleveland, Ohio.....	100,312	222,137	158,920	25.4	-10.3	39.8	492,838	355,147	244,231	101.8	38.8	45.4	28.8	33.5	39.4	71.2	61.5	60.6				
St. Louis, Mo.....	358,354	287,518	284,816	25.8	24.6	1.0	351,071	328,790	341,419	2.8	7.4	-4.3	50.5	46.8	45.5	49.5	53.2	54.5				
Boston, Mass.....	731,519	709,878	500,603	30.5	3.0	26.6	717,241	828,051	739,406	-3.0	-13.4	12.0	50.5	46.2	43.1	49.6	53.8	56.9				
Baltimore, Md.....	159,903	183,322	104,447	-2.7	-12.7	11.5	234,442	174,778	120,553	94.5	34.1	45.0	40.6	51.2	57.7	69.4	48.8	42.3				
Pittsburgh, Pa.....	224,627	220,301	211,131	6.4	1.9	4.4	380,024	345,219	326,802	16.3	10.1	5.6	37.1	39.0	39.2	62.9	61.0	60.8				
Los Angeles, Calif.....	205,558	190,533	81,900	151.0	7.0	132.6	225,905	205,154	81,070	178.7	10.1	153.1	47.6	48.2	50.3	52.4	51.1	49.7				
Buffalo, N. Y.....	130,012	108,922	89,239	52.4	24.9	22.1	240,496	273,534	221,892	8.4	-12.1	23.3	36.1	28.5	28.7	63.9	71.1	71.3				
San Francisco, Calif.....	338,384	274,047	280,354	20.7	23.2	-2.0	244,689	285,951	154,226	58.7	-14.4	85.4	58.0	49.0	64.5	42.0	51.0	35.5				

¹ Cities listed according to their rank in population.

² A minus sign (−) denotes decrease.

MANUFACTURES.

Daily newspapers, by geographic divisions and states.—Table 23 shows the average circulation of daily newspapers, morning and evening, exclusive of Sundays, by geographic divisions and by states, with per cent that the morning and the evening circulation was of the total, 1919 and 1914.

The evening issues maintained their supremacy in circulation in 1919, as in 1914, and their per-

centage of the total circulation increased from 59.4 in 1914 to 61.9 in 1919. The Middle Atlantic division was first in both morning and evening circulation, and the East North Central was second. New York led the states, with about one-fourth of the total for the morning, and nearly one-fifth for the evening circulation. Pennsylvania was second in morning and Illinois in evening circulation.

TABLE 23.—MORNING AND EVENING DAILIES, EXCEPT SUNDAYS: 1919 AND 1914.

DIVISION AND STATE.	AVERAGE CIRCULATION PER ISSUE, EXCLUSIVE OF SUNDAY EDITIONS.									
	Total.				Morning.		Evening.		Per cent which circulation of morning and evening editions represents of total.	
	1919	Per cent of total, 1919.	1914	Per cent of increase, 1914-1919.	1919	1914	1919	1914	1919	1914
UNITED STATES.....	33,028,630	100.0	28,777,454	14.8	12,582,841	11,692,368	20,445,789	17,085,086	38.1	61.9
NEW ENGLAND.....	2,877,433	8.7	2,711,635	6.1	1,078,241	930,774	1,700,189	1,720,861	37.5	62.5
Maine.....	122,076	0.4	117,842	3.6	52,652	64,004	69,424	53,748	43.1	56.9
Massachusetts.....	2,085,287	6.3	2,060,313	1.2	851,217	733,103	1,231,070	1,266,940	41.0	59.0
Rhode Island.....	191,762	0.6	145,895	28.8	37,907	23,420	153,795	125,466	19.8	80.2
Connecticut.....	351,200	1.1	275,773	27.4	94,403	73,612	250,797	202,101	26.9	73.1
New Hampshire and Vermont.....	127,108	0.4	108,782	16.8	39,005	36,236	88,103	72,546	30.7	69.3
MIDDLE ATLANTIC.....	10,548,423	31.9	9,278,023	13.7	4,361,506	4,198,602	6,180,857	5,079,361	41.3	58.7
New York.....	6,919,325	20.9	5,874,207	17.8	3,111,151	2,756,261	3,808,174	3,117,956	45.0	55.0
New Jersey.....	581,851	1.8	451,081	28.8	96,000	88,460	485,851	363,212	16.5	83.5
Pennsylvania.....	3,047,247	9.2	2,952,135	3.2	1,154,415	1,353,942	1,302,832	1,508,193	37.0	62.1
EAST NORTH CENTRAL.....	8,275,024	25.1	7,286,844	13.6	2,711,833	2,587,532	5,563,191	4,600,312	32.8	67.2
Ohio.....	2,407,055	7.6	2,484,548	0.5	504,883	905,900	1,933,072	1,488,549	22.6	77.4
Indiana.....	903,953	2.8	777,435	17.0	312,339	259,870	597,614	517,565	34.3	65.7
Illinois.....	3,241,254	0.8	2,620,661	23.7	1,481,980	981,351	1,750,274	1,030,310	45.7	54.3
Michigan.....	1,020,649	3.1	888,981	14.8	274,911	244,762	745,738	644,219	26.9	73.1
Wisconsin.....	603,213	1.8	515,219	17.5	77,720	105,560	527,403	409,669	12.8	87.2
WEST NORTH CENTRAL.....	3,800,214	11.8	3,373,427	15.3	1,393,610	1,275,760	2,400,604	2,007,667	35.8	64.2
Minnesota.....	602,276	2.1	655,070	5.7	183,010	233,443	503,257	421,627	26.4	73.6
Iowa.....	717,607	2.2	587,268	22.2	185,352	163,185	632,265	434,083	25.8	74.2
Missouri.....	1,608,606	4.0	1,332,219	12.3	672,707	622,759	935,800	800,460	41.8	58.2
Nebraska.....	371,309	1.1	320,840	12.6	146,361	109,058	224,948	220,182	39.4	60.6
Kansas.....	333,573	1.0	267,403	24.7	140,294	109,438	103,280	158,025	42.1	57.9
North and South Dakota.....	160,843	0.5	101,567	64.3	66,707	47,277	101,046	54,200	39.4	60.6
SOUTH ATLANTIC.....	1,894,105	5.7	1,565,078	21.0	815,300	737,002	1,078,805	827,986	43.0	57.0
Maryland.....	438,035	1.3	400,680	9.5	173,908	198,020	264,727	202,080	39.6	60.4
Virginia.....	257,207	0.8	233,075	9.0	97,477	105,354	159,730	128,621	37.9	62.1
West Virginia.....	150,050	0.5	123,722	26.1	77,110	60,948	78,940	62,774	49.4	50.0
North Carolina.....	179,406	0.5	120,823	48.5	95,217	73,802	84,189	47,021	53.1	46.9
South Carolina.....	116,722	0.4	88,885	39.1	65,170	52,570	51,546	31,315	55.8	44.2
Georgia.....	208,728	0.0	205,416	12.6	121,177	104,581	177,551	160,835	44.2	52.7
Florida.....	165,524	0.5	119,102	39.2	84,280	63,610	81,544	55,480	50.8	49.2
Delaware and District of Columbia.....	281,533	0.9	217,475	29.5	100,055	77,601	180,578	139,874	35.9	64.1
EAST SOUTH CENTRAL.....	990,290	3.0	845,080	17.2	417,521	347,034	572,706	497,446	42.2	57.8
Kentucky.....	315,851	1.0	311,010	1.6	145,600	128,851	170,191	182,108	46.1	53.9
Tennessee.....	387,329	1.2	301,533	28.4	163,040	140,818	220,389	154,765	43.1	56.9
Alabama.....	230,030	0.7	180,636	23.5	78,552	50,111	152,078	130,575	34.1	66.9
Mississippi.....	50,480	0.2	45,702	23.3	26,372	15,854	30,108	29,938	46.7	53.3
WEST SOUTH CENTRAL.....	1,447,230	4.4	1,080,050	34.0	594,117	458,838	853,113	621,212	41.1	58.0
Arkansas.....	127,985	0.4	87,614	46.1	71,015	43,000	56,970	43,915	55.5	44.5
Louisiana.....	233,100	0.7	130,680	66.9	61,723	70,287	141,432	69,390	39.3	60.7
Oklahoma.....	347,673	1.1	242,305	43.5	130,400	78,553	217,264	163,752	37.5	62.5
Texas.....	738,412	2.2	610,445	21.0	300,965	260,299	437,447	344,146	40.8	59.2
MOUNTAIN.....	747,166	2.3	530,017	38.4	285,202	238,223	461,874	301,604	38.2	61.8
Montana.....	111,518	0.8	87,113	28.0	67,121	50,774	44,397	36,330	60.2	39.8
Colorado.....	287,982	0.9	240,405	15.4	66,187	83,012	221,795	166,453	23.0	77.0
Arizona.....	50,995	0.2	32,875	73.4	28,237	16,852	28,758	16,023	49.5	50.5
Nevada.....	14,810	0.1	15,179	-2.4	7,448	6,476	7,362	8,703	50.3	49.7
Idaho, Wyoming, New Mexico, and Utah.....	275,801	0.8	165,285	77.6	116,200	81,100	159,502	74,170	42.2	57.8
PACIFIC.....	2,358,745	7.1	2,007,400	12.5	925,355	857,853	1,433,390	1,239,547	39.2	60.8
Washington.....	518,628	1.6	456,489	13.6	141,032	146,251	370,096	310,238	27.4	72.6
Oregon.....	293,204	0.9	218,449	34.2	60,870	77,020	202,334	140,823	31.0	69.0
California.....	1,546,913	4.7	1,422,402	8.7	602,653	633,070	854,300	788,480	44.8	55.2

¹ A minus sign (-) denotes decrease.

Dailies in foreign languages, by states.—Table 24 shows the number and combined circulation of foreign daily newspapers, by leading states, with per cent of increase, 1919, 1914, and 1909. New York had the largest number and circulation of foreign-language

dailies in 1919, as at previous censuses, Illinois ranking second and California third in number; but Ohio was third in circulation in 1919. From 1914 to 1919 there was a decrease in the number of foreign-language dailies and a slight increase in their circulation.

TABLE 24.—DAILY NEWSPAPERS IN FOREIGN LANGUAGES, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	NUMBER.			AVERAGE COMBINED CIRCULATION.			Per cent of increase. ¹		
	1919	1914	1909	1919	1914	1909	1909-1919	1914-1919	1909-1914
							1909-1919	1914-1919	1909-1914
United States.....	151	160	137	2,710,265	2,598,827	1,786,281	51.7	4.3	45.5
California.....	16	16	13	150,986	81,655	48,633	210.5	84.9	67.9
Illinois.....	27	25	21	617,256	343,683	271,500	127.4	79.6	26.6
Indiana.....	1	3	5	3,128	19,687	17,766	-82.4	-84.1	10.8
Massachusetts.....	12	6	5	78,336	26,547	16,200	383.9	195.3	63.9
Michigan.....	5	5	5	66,000	39,247	18,975	247.8	68.2	106.8
Missouri.....	2	3	6	46,269	41,512	141,151	-67.2	11.5	-70.6
New York.....	41	40	35	1,258,704	1,509,093	968,340	30.0	-16.6	55.8
Ohio.....	12	12	11	189,728	130,965	89,665	111.6	44.9	46.1
Pennsylvania.....	7	11	8	75,997	151,745	75,649	0.5	-39.9	100.6
Wisconsin.....	6	6	6	89,650	106,801	55,433	53.4	-16.1	82.8
All other states.....	25	33	22	134,161	147,837	79,069	67.8	-9.3	84.9

¹ A minus sign (-) denotes decrease.

Dailies in foreign languages, by circulation.—Table 25 shows the circulation of each of the leading foreign-language dailies, by language in which published, with per cent of increase, 1919, 1914, and 1909. About one-fourth of the total daily circulation in 1919 was

Yiddish. In 1914 German occupied first place. Polish shows the greatest absolute gain in circulation during the five years 1914-1919, and Chinese the greatest percentage of gain.

TABLE 25.—FOREIGN-LANGUAGE DAILIES—AVERAGE CIRCULATION PER ISSUE: 1919, 1914, AND 1909.

LANGUAGE.	AVERAGE COMBINED CIRCULATION PER ISSUE.						LANGUAGE.	AVERAGE COMBINED CIRCULATION PER ISSUE.						
	1919	1914	1909	Per cent of increase. ¹				1919	1914	1909	Per cent of increase. ¹			
				1909-1919	1914-1919	1909-1914					1909-1919	1914-1919	1909-1914	
	1919	1914	1909											
Total.....	2,710,265	2,598,827	1,786,281	51.7	4.3	45.5	Italian.....	270,445	269,674	160,300	65.7	0.3	68.2	
Bohemian.....	66,226	73,688	62,143	27.0	-10.1	41.3	Japanese.....	47,815	39,361	24,603	94.3	19.7	62.4	
Chinese.....	76,950	16,509	9,500	710.0	364.4	74.4	Polish.....	360,161	207,380	88,937	305.0	73.7	133.2	
French.....	73,494	52,600	49,230	82.7	39.6	30.9	Spanish.....	44,714	28,150	3,400	1,215.1	58.8	727.9	
German.....	² 384,996	823,062	753,116	-48.9	-53.2	9.3	Yiddish.....	676,145	762,910	524,900	28.8	-11.4	45.3	
Hungarian.....	86,800	103,245	54,300	59.0	-15.9	90.1	All other languages ²	622,510	221,528	74,852	731.7	181.0	198.0	

¹ A minus sign (-) denotes decrease.

² Includes English-and-German.

³ Includes, for 1919, Albanian, Arabic, Armenian, Bulgarian, Croatian, Finnish, Greek, Lithuanian, Norwegian-and-Danish, Portuguese, Rumanian, Russian, Serbian, Slovak, Slovenian; for 1914, Arabic, Bulgarian, Croatian, Finnish, Greek, Lithuanian, Norwegian-and-Danish, Russian, Serbian, Slovak, and Slovenian or Slovene; for 1909, Arabic, Croatian, Norwegian-and-Danish, Finnish, Greek, Japanese-and-English, Slovak, and Slovenian.

Sunday newspapers, by geographic divisions and states.—Table 26 shows the number and circulation of the Sunday newspapers, by geographic divisions and states, with per cent of increase, 1919, 1914, and 1909. From 1914 to 1919 the increase in number of Sunday newspapers was 5.8 per cent, compared with 9.8 per cent, 1909-1914. In circulation, 1914-1919, the increase was 17.5 per cent, compared with 23.5 per cent, 1909-1914.

Although not shown in this table, of the 604 Sunday papers published in 1919, 71 with an aggregate circulation of 1,530,819 were printed in languages other than English. Eighteen with a circulation of 297,231 were in German; 10 with a circulation of 600,469 in Yiddish; and 8 with a circulation of 236,085 in Italian.

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TABLE 26.—SUNDAY NEWSPAPERS, NUMBER AND CIRCULATION: 1919, 1914, AND 1909.

DIVISION AND STATE.	NUMBER.			AVERAGE COMBINED CIRCULATION PER ISSUE.						
	1919	1914	1909	1919	Per cent of total, 1919.	1914	1909	Per cent of increase, ¹		
								1909-1919	1914-1919	1909-1914
UNITED STATES.....	604	571	520	10,308,013	100.0	16,479,043	13,347,282	45.1	17.5	23.5
NEW ENGLAND.....	30	34	29	1,653,607	8.5	1,439,928	1,267,440	30.5	14.8	13.6
Massachusetts.....	17	21	15	1,444,846	7.5	1,271,453	1,122,049	28.8	13.6	13.3
Connecticut.....	8	8	10	119,765	0.6	100,581	86,261	38.8	19.1	16.8
Maine and Rhode Island ²	5	5	4	88,096	0.5	67,894	59,130	50.5	31.1	14.8
MIDDLE ATLANTIC.....	92	101	81	6,227,002	32.2	5,701,587	4,500,670	38.1	8.1	27.8
New York.....	54	55	48	4,469,074	23.1	3,917,088	2,957,727	51.1	14.1	32.4
New Jersey.....	9	7	6	146,713	0.8	83,995	70,670	107.6	74.7	18.9
Pennsylvania.....	29	30	27	1,612,115	8.3	1,760,504	1,481,282	8.8	-8.4	18.9
EAST NORTH CENTRAL.....	100	116	106	4,001,786	20.7	3,260,351	2,855,912	40.1	22.4	14.5
Ohio.....	20	28	25	1,087,733	5.6	830,219	645,860	68.4	31.0	28.5
Indiana.....	18	18	20	276,880	1.4	254,126	200,176	34.3	9.0	23.3
Illinois.....	41	43	38	1,886,084	9.7	1,635,121	1,016,506	10.7	15.3	1.2
Michigan.....	14	14	15	507,916	2.6	342,163	250,583	98.0	48.4	33.4
Wisconsin.....	7	8	8	243,173	1.3	207,722	130,773	85.9	17.1	58.8
WEST NORTH CENTRAL.....	60	65	64	2,361,054	12.2	2,004,978	1,649,780	43.2	17.8	21.5
Minnesota.....	9	7	7	444,523	2.3	309,912	237,205	87.4	20.2	55.9
Iowa.....	14	14	14	260,152	1.4	200,666	160,078	56.9	32.6	18.3
Missouri.....	18	23	21	1,205,073	6.2	1,131,450	978,377	23.2	6.6	15.6
Nebraska.....	9	12	8	255,702	1.3	187,287	129,050	98.1	36.5	45.1
Kansas.....	11	5	6	128,097	0.7	80,727	88,044	40.5	48.7	-1.5
North Dakota and South Dakota ²	8	4	8	60,907	0.3	28,927	47,420	28.4	110.6	-39.0
SOUTH ATLANTIC.....	75	65	55	1,471,480	7.6	1,100,030	751,231	95.9	33.8	46.4
Maryland.....	3	4	5	330,196	1.8	205,817	182,582	85.8	27.6	45.6
Virginia.....	11	9	8	170,338	0.9	117,531	79,208	126.3	52.6	48.3
West Virginia.....	9	9	7	73,561	0.4	58,143	44,930	03.7	31.0	24.9
North Carolina.....	11	12	7	116,763	0.6	87,833	39,281	107.2	32.9	123.6
South Carolina.....	9	7	4	70,606	0.4	63,783	32,447	145.3	24.8	98.6
Georgia.....	14	10	13	335,912	1.7	259,108	172,039	95.3	29.6	50.6
Florida.....	13	9	6	80,177	0.5	83,171	48,630	83.7	7.2	71.3
Delaware and District of Columbia ²	5	5	5	237,937	1.3	100,053	152,146	69.5	54.8	9.5
EAST SOUTH CENTRAL.....	32	34	35	631,301	3.3	437,205	414,052	52.5	44.4	5.6
Kentucky.....	11	9	12	180,396	0.9	88,246	115,855	40.2	92.0	-23.8
Tennessee.....	6	6	7	241,792	1.2	171,553	183,190	32.0	40.9	-6.4
Alabama.....	10	12	9	182,761	0.9	144,830	78,079	132.3	26.2	84.1
Mississippi.....	5	7	7	37,355	0.2	32,571	36,322	2.8	14.7	-10.3
WEST SOUTH CENTRAL.....	70	58	56	1,070,974	5.6	821,241	583,028	85.2	31.5	40.9
Arkansas.....	7	5	7	83,685	0.4	63,007	50,593	65.4	30.8	26.4
Louisiana.....	6	7	8	247,556	1.3	178,108	152,020	61.9	38.9	16.5
Oklahoma.....	20	12	11	187,100	1.0	117,158	77,320	142.1	59.8	51.5
Texas.....	46	32	30	501,534	2.9	461,948	302,180	85.8	21.6	52.9
MOUNTAIN.....	48	44	39	551,094	2.8	445,670	362,430	52.3	23.0	23.0
Montana.....	10	7	7	88,093	0.5	60,321	48,088	83.2	46.0	25.4
Idaho.....	7	8	3	44,251	0.2	34,500	13,864	219.2	28.0	149.3
Colorado.....	11	11	13	252,081	1.3	214,016	223,008	13.4	17.7	-3.6
Arizona.....	9	8	9	32,120	0.2	18,244	17,400	84.6	70.1	4.9
Utah.....	3	3	8	106,076	0.5	92,580	45,428	133.5	14.6	103.8
Wyoming, New Mexico, and Nevada ²	8	7	4	28,407	0.1	25,043	14,651	94.3	13.7	70.9
PACIFIC.....	70	56	55	1,388,012	7.2	1,199,044	953,721	45.6	15.7	25.8
Washington.....	13	12	13	288,724	1.5	270,212	243,603	18.5	4.5	13.4
Oregon.....	11	7	6	191,330	1.0	146,075	93,142	105.4	30.2	57.8
California.....	40	37	36	608,858	4.7	776,757	616,016	47.3	17.0	25.9

¹ A minus sign (-) denotes decrease.² Can not be shown separately without disclosing the circulation of individual papers.

Sunday newspapers in 12 cities.—Table 27 shows the number and circulation of Sunday newspapers in 12 of the principal cities in the United States, with per cent of increase, 1919, 1914, and 1909. Nearly three-fifths of the total Sunday circulation of the United States was reported from these 12 cities in 1919.

New York city led with a little more than one-third of the total for the 12 cities; Chicago was second with about one-seventh; and Boston third with a little more than one-ninth. From 1914 to 1919 New York city showed the largest actual increase in circulation, 587,244, and Detroit showed the largest per cent of increase, 74.9 per cent.

TABLE 27.—SUNDAY NEWSPAPERS IN CITIES OF 500,000 INHABITANTS IN 1920—NUMBER AND CIRCULATION: 1919, 1914, AND 1909.

CITY. ¹	NUMBER.			AVERAGE CIRCULATION PER ISSUE.			Per cent of increase. ²		
	1919	1914	1909	1919	1914	1909	1909-1919	1914-1919	1909-1914
							1909-1919	1914-1919	1909-1914
United States.....	604	571	520	19,368,913	16,479,943	13,347,282	45.1	17.5	23.5
Total for 12 cities.....	114	112	110	11,167,236	9,530,743	8,642,153	20.2	17.2	10.3
New York, N. Y.....	35	31	32	3,732,383	3,165,139	2,744,930	36.7	18.6	15.3
Chicago, Ill.....	20	20	15	1,085,740	1,451,637	1,473,597	13.0	14.5	-1.3
Philadelphia, Pa.....	13	18	13	1,085,307	1,015,944	1,052,052	-1.6	1.9	-3.4
Detroit, Mich.....	5	3	4	425,443	243,259	142,076	197.6	74.9	70.1
Cleveland, Ohio.....	3	4	5	448,544	290,195	186,340	140.7	60.1	50.4
St. Louis, Mo.....	6	6	7	696,156	677,320	670,101	3.9	2.8	1.1
Boston, Mass.....	6	4	4	1,275,814	1,095,956	992,332	28.6	16.4	10.4
Baltimore, Md.....	3	4	6	339,106	265,817	184,378	84.0	27.6	44.2
Pittsburgh, Pa.....	6	6	6	465,917	410,054	385,305	20.9	13.6	6.4
Los Angeles, Calif.....	5	4	4	296,358	298,755	208,500	42.1	-0.8	43.3
Buffalo, N. Y.....	5	5	7	349,068	253,678	241,876	44.3	37.6	4.9
San Francisco, Calif.....	7	7	7	417,310	369,949	359,736	10.0	12.8	2.8

¹ Cities listed according to their rank in population.

² A minus sign (—) denotes decrease.

Weekly newspapers and periodicals, number and circulation, by geographic divisions and states.—Table 28 gives, by geographic divisions and states, the

combined figures for number and circulation of weekly newspapers and periodicals, with per cent of increase, 1919, 1914, and 1909.

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TABLE 28.—WEEKLY NEWSPAPERS AND PERIODICALS, NUMBER AND CIRCULATION, BY GEOGRAPHIC DIVISIONS AND STATES: 1919, 1914, AND 1909.

DIVISION AND STATE.	NUMBER.			AVERAGE COMBINED CIRCULATION PER ISSUE.					
	1919	1914	1909	1919	1914	1909	Per cent of increase. ¹		
							1909-1919	1914-1919	1909-1914
UNITED STATES.....	13,375	15,172	15,007	51,902,121	50,336,963	40,822,965	27.1	3.1	23.3
NEW ENGLAND.....	539	609	590	1,804,228	3,105,093	2,500,600	-24.2	-39.0	24.2
Maine.....	54	73	87	90,205	102,130	186,016	-48.4	-40.7	-13.1
New Hampshire.....	54	60	66	72,024	109,806	141,287	-49.0	-34.4	-22.3
Vermont.....	56	59	67	64,288	82,103	92,355	-30.4	-21.7	-11.1
Massachusetts.....	284	322	271	1,403,362	2,552,499	1,911,486	-21.0	-41.5	33.5
Rhode Island.....	16	22	21	25,150	48,928	34,013	-25.2	-48.0	43.9
Connecticut.....	75	73	78	142,809	149,618	134,849	0.0	-4.5	11.0
MIDDLE ATLANTIC.....	1,785	2,040	2,060	21,941,158	16,409,002	12,458,495	76.1	33.7	31.7
New York.....	902	1,006	975	15,433,740	9,872,226	6,756,243	128.4	56.3	46.1
New Jersey.....	230	246	247	359,006	391,044	383,231	-7.9	-3.7	2.0
Pennsylvania.....	633	788	847	6,154,412	6,146,332	5,319,021	16.7	0.1	15.6
EAST NORTH CENTRAL.....	2,090	3,096	3,272	12,530,262	12,386,409	10,406,986	10.8	1.2	18.3
Ohio.....	543	641	609	3,282,812	3,110,883	2,913,730	12.7	5.5	6.8
Indiana.....	407	485	517	1,495,270	1,291,735	781,866	91.2	15.8	65.2
Illinois.....	806	967	1,018	5,551,012	6,216,667	5,098,590	10.8	-10.7	24.1
Michigan.....	443	517	520	1,104,022	703,176	750,238	47.1	39.2	5.7
Wisconsin.....	440	480	512	1,103,137	973,948	1,012,562	9.0	13.3	-3.8
WEST NORTH CENTRAL.....	3,554	3,872	3,925	7,710,362	9,002,113	7,575,538	1.8	-22.1	30.7
Minnesota.....	616	620	614	1,085,983	1,790,818	1,299,856	32.8	-5.9	41.0
Iowa.....	657	738	784	1,190,032	1,450,840	1,419,709	-16.1	-18.4	2.8
Missouri.....	611	721	731	2,258,090	3,542,326	1,871,585	20.7	-36.2	88.3
North Dakota.....	205	315	310	305,704	265,981	259,075	17.7	14.9	2.4
South Dakota.....	320	347	360	260,289	208,243	277,127	-6.1	-3.0	-3.2
Nebraska.....	515	538	521	924,030	916,257	1,074,654	-14.0	0.9	-14.7
Kansas.....	540	593	605	1,084,134	1,058,630	1,403,032	-22.7	-34.6	18.2
SOUTH ATLANTIC.....	995	1,129	1,116	2,643,104	2,150,701	2,067,315	27.9	22.6	4.3
Delaware.....	26	24	23	38,932	29,032	25,950	50.0	31.4	14.2
Maryland.....	104	125	120	206,373	161,045	185,554	10.7	27.5	-13.2
District of Columbia.....	18	17	15	1,049,440	301,330	185,246	466.5	248.3	62.7
Virginia.....	151	165	161	350,735	420,016	302,106	-9.0	-16.8	9.4
West Virginia.....	130	153	156	175,562	222,504	187,822	-6.5	-21.1	18.5
North Carolina.....	147	172	178	240,158	320,922	306,082	-30.3	-27.2	-16.6
South Carolina.....	85	91	90	159,398	148,597	133,240	10.6	7.3	11.5
Georgia.....	201	241	246	262,075	303,121	423,897	-38.2	-27.8	-14.3
Florida.....	127	141	127	155,461	171,615	137,818	12.8	-9.4	24.6
EAST SOUTH CENTRAL.....	632	788	810	1,430,524	1,024,940	1,905,125	-24.9	-25.7	1.0
Kentucky.....	185	221	226	346,401	348,342	481,057	-28.1	-0.5	-27.7
Tennessee.....	182	224	223	580,548	923,117	923,431	-37.1	-37.1	(1)
Alabama.....	127	174	179	392,023	491,616	278,245	40.0	-20.3	76.7
Mississippi.....	138	160	182	111,462	161,865	221,402	-40.7	-31.1	-26.9
WEST SOUTH CENTRAL.....	1,346	1,050	1,602	1,606,124	2,047,776	1,804,350	-15.2	-21.6	8.1
Arkansas.....	217	243	234	243,723	273,078	241,413	1.0	-10.7	13.1
Louisiana.....	117	157	141	125,262	148,987	176,193	-28.9	-15.0	-15.4
Oklahoma.....	376	407	409	342,745	500,335	512,229	-33.1	-31.5	-2.3
Texas.....	636	762	728	804,304	1,125,376	904,524	-7.3	-20.5	16.7
MOUNTAIN.....	900	942	774	828,305	1,095,355	742,136	11.6	-24.4	47.6
Montana.....	201	203	101	186,202	202,746	122,027	102.3	-36.4	218.1
Idaho.....	124	134	108	99,832	102,926	91,134	9.5	-2.3	12.2
Wyoming.....	72	67	55	60,551	51,847	30,227	54.4	10.8	32.2
Colorado.....	283	203	278	279,549	430,727	338,092	-17.3	-35.1	27.4
New Mexico.....	81	90	86	69,273	69,802	62,826	10.3	-0.8	11.1
Arizona.....	47	46	41	35,257	41,420	24,675	42.0	-14.9	67.9
Utah.....	71	82	65	83,791	91,339	71,542	17.1	-8.3	27.7
Nevada.....	21	27	40	13,945	15,248	22,013	-38.3	-8.5	-32.6
PACIFIC.....	925	1,037	939	1,311,904	1,308,884	1,212,405	8.2	0.2	8.0
Washington.....	255	307	268	313,718	270,070	252,306	24.3	13.3	9.7
Oregon.....	174	201	170	281,324	340,363	229,585	22.5	-19.5	52.2
California.....	496	520	495	716,802	682,592	730,424	-1.9	5.0	-6.6

¹ A minus sign (—) denotes decrease.² Decrease of less than one-tenth of 1 per cent.

Weekly newspapers and periodicals, number and circulation, by leading states.—Table 29 gives the total number and the circulation per issue of weekly periodicals

and of weekly newspapers for leading states, with per cent of increase, 1919, 1914, and 1909. During the five-year period 1914-1919, the circulation of periodicals

increased 9.4 per cent, while that of newspapers decreased 5.1 per cent. During the same five-year period, of the 19 states shown in the table, the circulation of periodicals decreased in 13, and the circulation of news-

papers in 10. In the circulation of periodicals, New York led, with an increase of 6,040,994, or 75.8 per cent; while in the circulation of newspapers, Illinois was first with an increase of 219,161, or 9.8 per cent.

TABLE 29.—WEEKLY PERIODICALS AND NEWSPAPERS—NUMBER AND CIRCULATION, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	NUMBER OF WEEKLY.—						AVERAGE COMBINED CIRCULATION PER ISSUE.											
	Periodicals.			Newspapers.			Periodicals.						Newspapers.					
	1919	1914	1909	1919	1914	1909	1919	1914	1909	Per cent of increase. ¹			1919	1914	1909	Per cent of increase. ¹		
										1909-1919	1914-1919	1909-1914				1909-1919	1914-1919	1909-1914
United States...	1,230	1,379	1,194	12,145	13,793	13,903	31,161,570	28,486,357	19,876,630	50.8	9.4	43.3	20,740,551	21,850,606	20,910,335	-1.0	-5.1	4.3
California.....	57	75	61	439	454	424	370,848	275,208	.254,521	45.7	34.8	8.1	346,014	407,334	475,903	-27.3	-15.1	-14.4
Illinois.....	117	145	121	749	822	897	3,097,392	3,982,208	3,189,772	-2.0	-22.2	26.0	2,453,620	2,234,459	1,818,818	32.7	9.8	20.9
Indiana.....	81	94	19	376	451	498	797,820	714,990	206,060	287.2	11.6	247.0	697,459	570,745	575,806	21.1	20.9	0.2
Iowa.....	23	23	27	629	715	757	505,920	250,975	505,962	-10.6	-55.7	101.6	685,012	1,208,874	853,747	-19.8	-43.3	41.6
Kansas.....	24	19	21	516	574	584	286,145	191,772	212,705	34.5	49.2	-9.8	797,989	1,406,567	1,190,327	-33.0	-45.6	23.2
Kentucky.....	12	14	22	173	207	204	70,136	94,828	188,360	-62.8	-26.0	-49.7	276,355	253,514	293,607	-5.9	9.0	-13.7
Massachusetts.....	53	77	54	231	245	217	516,835	2,124,440	1,483,153	-65.2	-75.7	43.2	976,527	428,059	428,333	128.0	128.1	-0.1
Michigan.....	17	37	26	426	480	500	130,877	208,887	171,6.2	-23.7	-37.3	21.7	973,145	584,280	578,696	68.2	66.6	1.0
Minnesota.....	36	25	27	580	595	587	528,142	646,651	161,665	226.7	-18.3	300.0	1,157,841	1,144,167	1,108,191	4.5	1.2	3.2
Missouri.....	48	66	58	563	655	673	1,115,642	2,084,252	583,358	91.2	-46.5	257.3	1,143,048	1,458,111	1,288,227	-11.3	-21.6	13.2
Nebraska.....	26	25	21	480	513	500	183,019	306,331	164,950	11.0	-40.3	85.7	741,611	609,926	909,604	-18.5	21.6	-32.9
New York.....	249	267	223	653	739	752	14,015,656	7,074,662	5,090,589	175.3	75.8	56.7	1,418,084	1,897,564	1,665,654	-14.9	-25.3	13.9
North Carolina.....	18	16	19	120	156	159	77,048	83,300	165,406	53.4	-7.5	-49.6	163,110	240,622	230,276	-29.2	-33.9	7.1
Ohio.....	81	81	86	462	557	613	2,208,252	1,886,215	1,687,358	30.9	19.0	10.0	1,074,560	1,254,603	1,226,372	-12.4	-14.4	2.3
Pennsylvania.....	127	157	132	526	631	715	4,738,720	5,032,402	3,920,143	20.9	-5.8	28.4	1,415,692	1,113,930	1,398,878	1.2	27.1	-20.4
Tennessee.....	20	31	25	156	193	198	329,180	611,246	486,896	-32.4	-46.1	25.5	251,368	311,871	436,535	-42.4	-19.4	-28.6
Texas.....	23	32	28	613	730	700	238,084	259,381	207,450	14.8	-8.2	25.0	650,310	865,995	757,074	-13.3	-24.2	14.4
Virginia.....	18	23	15	133	142	146	196,720	236,765	193,367	1.7	-16.9	22.4	160,015	192,251	198,739	-19.5	-16.8	-3.3
Wisconsin.....	11	21	12	420	465	500	226,240	300,749	167,036	35.4	-37.3	116.0	876,897	613,199	845,466	3.7	43.0	-27.5
All other states.....	228	208	197	3,873	4,409	4,269	1,528,894	1,101,067	906,237	89.6	25.4	47.7	4,475,894	4,982,226	4,630,082	-3.5	-10.2	7.5

¹ A minus sign (—) denotes decrease.

Weekly periodicals, number and circulation, by character of publication.—Table 30 shows the number and circulation per issue of weekly periodicals, by character of publication, with per cent each class is of the total, 1919, 1914, and 1909. The circulation of religious weeklies led in 1914, but "General literature"

took the lead in 1919. The decline in number of religious weeklies may be due to a change to less frequent issue—as quarterlies—and it is probable also that some religious publications classified as weeklies were included with books and pamphlets in 1919.

TABLE 30.—WEEKLY PERIODICALS—NUMBER AND CIRCULATION PER ISSUE, BY CHARACTER OF PUBLICATION: 1919, 1914, AND 1909.

CHARACTER.	NUMBER.			AVERAGE COMBINED CIRCULATION PER ISSUE.			PER CENT OF TOTAL.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Total.....	1,230	1,379	1,194	3,713,502	4,008,547	2,351,368	11.9	14.1	11.8
Agriculture, horticulture, dairying, stock raising, etc.....	70	81	92	157,888	94,249	72,460	0.5	0.3	0.4
College and school.....	131	88	65	285,121	283,925	340,819	0.9	1.0	1.7
Commerce, finance, insurance, railroads, etc.....	66	84	84	1,112,240	1,043,466	397,062	3.6	3.7	2.0
Education and history.....	24	18	14	549,667	275,100	454,930	1.8	1.0	2.3
Fraternal.....	33	31	69	12,853,816	7,701,592	5,799,136	41.2	27.0	29.2
General literature.....	177	50	52	557,901	355,900	(2)	1.8	1.2	(2)
Labor.....	87	84	(2)	25,044	54,565	47,843	0.1	0.2	0.2
Law.....	25	22	19	381,921	119,487	105,811	1.2	0.4	0.5
Medicine and surgery.....	13	8	7	672,299	286,081	(3)	2.2	1.0	(3)
Reform and social science.....	16	42	(3)	7,639,870	12,116,666	8,544,673	24.7	42.5	43.0
Religion.....	380	524	483	420,092	275,157	289,478	1.3	1.0	1.5
Science and mechanics.....	38	20	23	1,776,911	555,543	269,945	5.7	2.0	1.4
Society, art, music, fashion, etc.....	57	55	49	833,425	1,104,976	1,041,735	2.9	3.9	5.2
Trade.....	195	227	103	87,973	211,103	180,470	0.3	0.7	0.8
Miscellaneous.....	12	30	42						

¹ Includes a number of publications devoted to news comments and literary review.

² Included in "Fraternal."

Weekly newspapers and periodicals in foreign languages.—Table 31 shows the combined circulation of weekly newspapers and periodicals, not including Sunday publications, published in the principal foreign languages, with per cent of increase and per cent of total circulation: 1919, 1914, and 1909.

MANUFACTURES.

TABLE 31.—WEEKLY NEWSPAPERS AND PERIODICALS IN FOREIGN LANGUAGES—AVERAGE COMBINED CIRCULATION, BY PRINCIPAL LANGUAGES: 1919, 1914, AND 1909.

LANGUAGE.	1919	1914	1909	PER CENT OF INCREASE. ¹			PER CENT OF TOTAL		
				1909-1919			1919-1914		
				1919	1914	1909	1919	1914	1909
United States	3,303,230	4,239,126	3,543,898	-6.8	-22.1	19.6	100.0	100.0	100.0
Bohemian	37,899	75,874	67,950	-41.2	-50.1	11.7	1.1	1.8	1.9
Croatian	61,100	41,000	7,000	72.9	38.9	528.6	1.3	1.0	0.2
Danish	62,193	53,526	65,950	-5.7	16.2	-18.8	1.9	1.3	1.9
Dutch	31,950	51,800	42,850	-18.4	32.5	20.9	1.1	1.2	1.2
Finnish	30,075	15,800	30,950	-2.8	89.6	-48.8	0.9	0.4	0.0
French	34,602	75,157	66,283	-47.7	-53.8	13.4	1.1	1.8	1.9
German	939,574	1,438,888	1,068,369	-33.7	-34.7	-13.8	28.4	33.9	47.1
Hungarian	40,575	30,715	11,275	259.9	32.1	172.4	1.2	0.7	0.3
Italian	212,300	271,276	219,475	-3.3	-21.7	23.6	6.4	6.4	6.2
Lithuanian	48,305	33,365	30,100	60.5	-48.2	205.3	1.5	2.2	0.8
Norwegian	133,009	173,200	207,676	-35.6	-23.2	-16.6	4.0	4.1	5.0
Polish	346,565	383,722	288,820	-20.0	-9.7	32.9	10.5	9.1	8.1
Portuguese	15,700	19,100	14,050	11.7	-17.8	35.9	0.5	0.5	0.4
Slovenian	32,300	3,185	11,035	102.7	914.1	-71.1	1.0	0.1	0.3
Spanish	70,173	173,974	82,235	-11.7	-59.7	111.6	2.1	4.1	2.3
Swedish	370,577	727,027	449,914	-17.6	-49.1	61.8	11.2	17.2	12.7
Yiddish	427,230	157,500	91,160	368.7	171.3	72.8	12.9	3.7	2.6
All other ²	406,910	450,457	188,776	115.1	-9.9	138.6	12.3	10.6	5.3

¹ A minus sign (—) denotes decrease.

² Includes in 1919, Albanian, Arabic, Armenian, Bulgarian, Chinese, Czechoslovak, Estonian, Flemish, Greek, Hebrew, Japanese, Lettish, Magyar, Russian, Ruthenian, Scandinavian, Serbian, Slovak, Ukrainian, Welsh, Wendish, Norwegian-and-Danish, Russian-and-Slovak, Spanish-and-Yiddish, Turkish-and-Armorian, English-and-Greek, English-and-Japanese, English-and-Latin, English-and-Russian-and-Slovak and English-and-Slovak.

Weekly newspapers and periodicals in foreign languages, by states.—Table 32 shows the number and combined circulation of newspapers and periodicals in foreign languages, by leading states, with per cent of increase, 1919, 1914, and 1909.

TABLE 32.—WEEKLY NEWSPAPERS AND PERIODICALS IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	NUMBER.			AVERAGE COMBINED CIRCULATION PER ISSUE.								
	1919	1914	1909	1919			1914			1909		
				1909-1919	1914-1919	1909-1914	1919-1914	1914-1919	1909-1914	1919-1914	1914-1919	1909-1914
United States	659	808	875	3,303,230	4,239,426	3,543,898	-0.8	-22.1	19.6			
California	35	31	30	48,870	59,300	36,178	35.1	-17.6	63.0			
Colorado	12	17	14	15,983	52,175	54,385	-70.6	-69.4	-4.1			
Connecticut	13	11	10	23,320	27,691	21,750	7.2	-15.8	27.3			
Illinois	74	93	95	60,498	981,137	550,617	7.7	-38.6	75.3			
Indiana	4	6	9	8,100	47,255	10,750	-24.7	-82.9	330.6			
Iowa	21	35	42	44,941	105,850	108,583	-58.6	-57.5	-2.5			
Kansas	6	13	11	11,275	19,255	18,507	-30.3	-41.4	3.7			
Louisiana	8	11	7	4,647	10,061	22,000	-78.0	-53.8	-54.3			
Maryland	3	6	9	5,900	6,430	20,336	-71.0	-8.2	-68.4			
Massachusetts	27	35	29	108,774	133,742	94,106	13.5	-20.2	-42.1			
Michigan	18	32	30	60,159	78,205	72,957	-17.5	-23.1	7.2			
Minnesota	35	45	43	266,709	349,430	357,580	-25.4	-23.7	-2.3			
Missouri	16	24	26	63,235	205,922	111,218	-43.1	-69.3	85.2			
Nebraska	17	33	34	332,027	236,471	374,112	-11.2	-40.4	-36.8			
New Jersey	20	30	32	21,595	60,232	61,407	-64.8	-64.1	-1.0			
New Mexico	15	18	19	16,640	21,405	20,015	-30.0	-22.3	-17.7			
New York	92	103	94	602,267	624,127	417,494	65.8	10.9	40.5			
North Dakota	7	16	10	20,626	33,773	23,490	-8.3	-38.9	50.2			
Ohio	44	62	69	169,417	327,352	360,814	-54.2	-48.2	-11.5			
Oregon	7	9	5	45,695	49,182	32,000	38.0	-7.1	40.5			
Pennsylvania	69	79	69	398,689	368,862	186,230	114.1	8.1	98.1			
Rhode Island	5	4	3	8,600	19,900	5,400	-59.3	-56.8	268.8			
South Dakota	5	7	12	30,224	31,208	32,200	-0.1	-3.2	-3.1			
Texas	26	40	41	69,950	93,195	77,321	-9.5	-24.0	20.5			
Utah	7	8	4	9,000	9,400	4,900	83.7	-4.3	91.8			
Washington	12	21	16	21,850	33,100	24,625	-11.3	-34.1	34.7			
Wisconsin	44	63	73	190,369	211,312	358,810	-46.9	-0.9	-41.1			
All other states ²	17	26	39	13,810	43,304	62,126	-77.8	-0.8	-30.2			

¹ A minus sign (—) denotes decrease.

² Includes in 1919, Arizona, 2; Arkansas, 1; Delaware, 1; District of Columbia, 1; Florida, 1; Kentucky, 1; Maine, 1; New Hampshire, 2; Oklahoma, 2; Tennessee, 1; Vermont, 2; Virginia, 2.

Of the 27 states shown in the table, only three, Nebraska, New York, and Pennsylvania, show increased circulation from 1914 to 1919.

Publications other than daily, Sunday, and weekly.—Table 33 gives the number of publications, by periods of issue, other than daily, Sunday, and weekly, by geographic divisions and states, for 1919 and 1914.

TABLE 33.—SEMIWEEKLY, TRIWEEKLY, MONTHLY, QUARTERLY, AND ALL OTHER PUBLICATIONS EXCEPT DAILY, SUNDAY, AND WEEKLY—NUMBER, BY GEOGRAPHIC DIVISIONS AND STATES: 1919 AND 1914.

DIVISION AND STATE.	NUMBER OF PUBLICATIONS ISSUED—							
	Semi-weekly.	Tri-weekly.	Monthly.	Quarterly.		At all other periods except daily, Sunday, and weekly.		
				1919	1914	1919	1914	
UNITED STATES.	452	583	93	84	2,647	2,822	489	500
NEW ENGLAND.	16	26	10	6	165	173	49	49
Maine	2	5	3	1	6	13	2	2
New Hampshire	2	3	2	2	5	5	1	1
Vermont					4	7	1	1
Massachusetts	5	7	3	3	110	118	44	44
Rhode Island	3	3	1	1	9	11	1	1
Connecticut	4	8	2	2	22	19	3	1
MIDDLE ATLANTIC.	51	86	10	19	832	919	150	150
New York	20	43	7	13	622	690	68	68
New Jersey	4	3	1	1	35	33	8	9
Pennsylvania	21	40	2	6	191	264	85	113
EAST NORTH CENTRAL.	105	150	17	20	684	697	141	133
Ohio	41	47	8	6	170	183	44	57
Indiana	17	27	1	2	83	92	12	13
Illinois	33	36	3	5	305	312	63	54
Michigan	6	21	5	7	72	84	11	4
Wisconsin	8	19	1	1	60	56	11	10
WEST NORTH CENTRAL.	70	82	13	10	320	313	40	34
Minnesota	12	7	1	1	63	65	5	3
Iowa	28	34	8	6	58	53	9	8
Missouri	14	11	3	1	113	110	20	23
North Dakota	3	2	1	1	10	10	1	1
South Dakota	3	2	1	1	11	8	1	1
Nebraska	14	17	2	2	43	37	3	6
Wyoming	4	6	1	1	22	30	8	3
Colorado	5	4	1	1	31	34	5	2
New Mexico	2	2	1	1	3	8	1	1
Arizona	3	6	1	1	6	3	2	2
Utah	6	5	3	1	19	19	2	1
Nevada			0	3	10	10	1	1
PACIFIC.	42	56	12	9	201	241	11	16
Washington	8	9	2	2	37	53	1	4
Oregon	9	12	2	2	32	22	1	3
California	25	35	8	5	132	106	9	19

¹ A minus sign (—) denotes decrease.

² Includes in 1919, Arizona, 2; Arkansas, 1; Delaware, 1; District of Columbia, 1; Florida, 1; Kentucky, 1; Maine, 1; New Hampshire, 2; Oklahoma, 2; Tennessee, 1; Vermont, 2; Virginia, 2.

Triweeklies and semiweeklies.—Table 34 gives the combined average circulation of the triweeklies and semiweeklies, by leading states, with per cent of total, 1919, 1914, and 1909. There was a decrease of 520,673, or 17.2 per cent, in the total combined circulation in 1919, as compared with 1914. Missouri was first in the combined circulation in 1919, New York second, and Texas third.

TABLE 34.—TRIWEEKLIES AND SEMIWEEKLIES—AVERAGE COMBINED CIRCULATION PER ISSUE, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	1919	1914	1909	PER CENT OF TOTAL.			1919	1914	1909	1919	1914	1909
				1919	1914	1909						
United States.....	2,512,451	3,033,124	2,648,308	100.0	100.0	100.0						
California.....	36,622	39,209	44,856	1.5	1.3	1.7						
Illinois.....	134,506	104,360	138,165	5.3	3.4	5.2						
Indiana.....	22,571	40,176	51,978	0.9	1.3	2.0						
Iowa.....	121,991	134,263	156,926	4.9	4.4	5.9						
Kentucky.....	37,810	58,584	61,248	1.5	1.9	2.3						
Massachusetts.....	17,485	20,550	23,225	0.7	0.9	0.9						
Michigan.....	25,004	45,883	52,640	1.0	1.5	3.1						
Minnesota.....	134,647	117,374	37,002	5.4	3.9	1.4						
Missouri.....	404,235	108,320	353,481	16.1	3.6	13.3						
Nebraska.....	34,246	38,219	31,085	1.4	1.3	1.2						
New York.....	378,217	364,733	250,403	15.0	12.0	9.5						
North Carolina.....	65,165	79,341	55,891	2.6	2.6	2.1						
Ohio.....	94,711	185,140	131,806	3.8	6.1	5.0						
Oregon.....	23,400	30,000	26,725	0.9	1.0	1.0						
Pennsylvania.....	72,533	337,808	243,089	2.9	11.1	9.2						
South Carolina.....	24,605	29,250	44,022	1.0	1.0	1.7						
Texas.....	275,176	221,852	265,816	10.9	7.3	10.0						
Washington.....	32,040	46,038	59,937	1.3	1.5	2.3						
Wisconsin.....	67,221	130,414	42,708	2.7	4.3	1.6						
All other states.....	509,216	895,588	540,045	20.3	20.5	20.6						

Monthly publications.—Table 35 shows the average circulation per issue of the monthly publications, by leading states, with per cent of total, 1919, 1914, and 1909. There was an increase of 12,490,969, or 15.8 per cent, in the total circulation of the monthly publications during the five-year period 1914–1919. The circulation of New York publications greatly predominated, with 43.5 per cent of the total circulation in 1919 and 42.5 per cent in 1914.

Of the 27 states for which totals are shown in the table, 18 show increases from 1914 to 1919, and 9, decreases.

Quarterly publications.—Table 36 shows the average circulation per issue of the quarterly publications, by leading states, with per cent of total, 1919, 1914, and 1909. There was only a small increase in the total

circulation of quarterlies from 1914 to 1919—66,643, or four-tenths of 1 per cent. Of the seven states for which the figures are presented, but two, Illinois and New York, showed a gain during the five-year period 1914–1919. The increase of circulation in Illinois was 321,760, or 8.4 per cent, and in New York 600,981, or 41.5 per cent.

TABLE 35.—MONTHLY PUBLICATIONS—AVERAGE CIRCULATION PER ISSUE, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	1919	1914	1909	PER CENT OF TOTAL.			1919	1914	1909	PER CENT OF TOTAL.			
				1919	1914	1909				1919	1914	1909	
United States.....	91,681,807	79,190,838	63,280,535	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Arkansas.....	25,900	100,700	136,750	(1)	0.1	0.2							
California.....	876,878	1,122,367	619,900	1.0	1.4	1.0							
Colorado.....	86,907	168,932	230,398	0.1	0.2	0.4							
District of Columbia.....	2,900,546	1,037,181	518,784	3.2	1.3	0.8							
Georgia.....	109,603	276,066	356,337	0.1	0.4	0.6							
Illinois.....	11,279,045	10,242,371	9,492,099	12.3	12.9	15.0							
Indiana.....	2,305,409	1,905,089	970,962	2.5	2.5	1.5							
Iowa.....	2,334,376	2,236,097	1,490,861	2.5	2.9	2.4							
Kansas.....	1,028,635	1,584,549	932,288	2.1	2.0	1.5							
Kentucky.....	94,695	159,229	126,935	0.1	0.2	0.2							
Maine.....	3,753,309	4,059,797	3,960,766	4.1	5.1	6.3							
Massachusetts.....	2,886,640	2,153,439	2,789,065	3.2	2.7	4.4							
Michigan.....	1,464,830	1,428,889	927,601	1.6	1.8	1.5							
Minnesota.....	1,416,610	1,122,249	824,955	1.5	1.4	1.3							
Missouri.....	2,258,270	1,755,852	2,265,275	2.5	2.2	3.6							
Nebraska.....	1,404,849	1,354,508	684,513	1.5	1.7	1.1							
New Jersey.....	594,433	543,247	156,862	0.6	0.7	0.2							
New York.....	39,847,749	33,648,962	25,635,615	43.5	42.5	40.5							
North Carolina.....	106,842	104,510	40,265	0.2	0.1	0.1							
Ohio.....	6,082,211	5,591,906	2,685,470	6.6	7.0	4.2							
Oregon.....	125,206	108,850	219,351	0.1	0.1	0.3							
Pennsylvania.....	6,001,752	6,046,975	6,107,571	6.5	7.6	9.7							
Tennessee.....	1,872,318	875,688	517,643	2.0	1.1	0.8							
Texas.....	407,354	375,035	256,700	0.5	0.5	0.4							
Virginia.....	178,559	232,193	183,605	0.2	0.3	0.3							
Washington.....	106,938	256,479	161,624	0.1	0.3	0.3							
Wisconsin.....	411,039	267,130	468,088	0.5	0.4	0.7							
All other states.....	755,823	442,465	473,652	0.8	0.6	0.7							

¹ Less than one-tenth of 1 per cent.

TABLE 36.—QUARTERLY PUBLICATIONS—AVERAGE CIRCULATION PER ISSUE, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	1919	1914	1909	PER CENT OF TOTAL.			1919	1914	1909	PER CENT OF TOTAL.			
				1919	1914	1909				1919	1914	1909	
United States.....	18,920,544	18,853,901	16,058,099	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Illinois.....	4,150,366	3,828,606	1,937,558	21.9	20.3	12.3							
Massachusetts.....	1,056,934	1,301,467	1,401,844	5.6	7.2	3.7							
Missouri.....	303,090	414,245	203,504	1.6	2.2	1.3							
New York.....	2,048,000	1,447,019	2,437,280	10.8	7.7	15.2							
Ohio.....	2,697,832	2,874,657	2,288,134	14.3	15.2	14.2							
Pennsylvania.....	3,291,478	3,839,673	3,516,933	17.4	20.4	21.9							
Tennessee.....	4,493,400	4,497,809	3,649,100	23.8	23.9	22.7							
All other states.....	877,444	591,434	593,737	4.6	3.1	3.7							

All other publications.—Table 37 shows, for the semimonthly and other issues not specifically covered by the several tables, the average circulation per issue, by leading states, with the per cent of total, 1919, 1914, and 1909. In this class of publications, New York led in 1919, with Missouri second, and Ohio third.

TABLE 37.—ALL OTHER PUBLICATIONS—AVERAGE CIRCULATION PER ISSUE, BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	1919	1914	1909	PER CENT OF TOTAL.		
				1919	1914	1909
United States...	5,007,517	8,922,684	4,003,874	100.0	100.0	100.0
Illinois.....	231,002	453,821	276,335	4.6	5.1	6.7
Iowa.....	196,250	200,830	110,010	3.9	2.4	2.7
Massachusetts.....	41,931	640,900	622,223	0.8	7.3	15.2
Minnesota.....	102,322	259,690	311,170	2.0	2.9	7.6
Missouri.....	526,006	713,906	280,796	10.4	8.0	6.9
New York.....	931,143	3,319,141	662,810	18.4	37.2	16.2
Ohio.....	367,948	720,241	515,279	7.1	8.1	13.3
Pennsylvania.....	185,142	448,317	82,134	3.7	5.0	2.0
Texas.....	83,400	37,220	58,281	1.6	0.4	1.4
Virginia.....	87,545	5,031	6,950	1.7	0.1	0.2
All other states.....	2,324,738	2,108,578	1,137,877	45.9	23.6	27.8

Foreign-language publications other than dailies and weeklies.—Table 38 shows the average combined circulation per issue of all foreign-language

publications other than daily and weekly newspapers and periodicals (see Tables 25 and 32), by leading states, with per cent of increase, 1919, 1914, and 1909. The increase in the number of these publications for the United States was 44, or 11.7 per cent, and for circulation, 789,691, or 21.9 per cent.

TABLE 38.—TRIWEEKLY AND SEMIWEEKLY NEWSPAPERS AND PERIODICALS, AND MONTHLY, QUARTERLY, AND "ALL OTHER" PERIODICALS IN FOREIGN LANGUAGES—BY LEADING STATES: 1919, 1914, AND 1909.

STATE.	NUMBER.	AVERAGE COMBINED CIRCULATION PER ISSUE.			PER CENT OF INCREASE, ¹		
		1919	1914	1909	1909-1919	1914-1909	1919-1914
United States...	420	376	327	4,399,426	3,609,735	2,773,610	58.6
California.....	14	12	7	101,862	57,300	25,760	205.6
Illinois.....	73	45	47	608,771	448,402	421,826	58.5
Indiana.....	10	10	7	401,300	92,938	78,934	484.4
Iowa.....	17	11	15	189,252	122,144	152,049	4.7
Massachusetts.....	21	15	13	108,608	438,523	264,732	-36.3
Michigan.....	15	15	12	49,800	46,509	40,150	24.0
Minnesota.....	29	23	27	180,299	150,502	158,605	13.6
Missouri.....	20	28	19	372,200	338,737	281,876	32.0
Nebraska.....	8	15	9	163,059	332,338	81,629	100.0
New York.....	77	62	55	1,287,202	487,045	527,186	144.2
Ohio.....	36	30	42	209,305	281,872	317,401	-34.1
Pennsylvania.....	29	20	14	205,060	420,504	89,935	-25.7
Wisconsin.....	18	25	27	154,413	213,768	209,065	-37.0
All other states.....	53	47	33	157,335	173,013	121,326	-20.6

¹A minus sign (--) denotes decrease.

GENERAL TABLES.

Table 39 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for the six branches of the printing and publishing industry combined in selected states. In some states one or more branches of the industry

have been omitted from the combination to avoid disclosure of individual operations. Table 40 presents, for 1919, the various totals for the United States, and by states, for each of the six branches of the industry, so far as they can be shown without the disclosure of individual operations.

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TABLE 39.—COMPARATIVE SUMMARY, BY STATES: 1919, 1914, AND 1909.

STATE.	Cen-sus year.	Number of estab-lishments.	Wage earners (average num-ber).	Pri-mary horse-power.	Wages.	Cost of materi-als.	Value of prod-ucts.		STATE.	Cen-sus year.	Number of estab-lishments.	Wage earners (average num-ber).	Pri-mary horse-power.	Wages.	Cost of materi-als.	Value of prod-ucts.		
															Expressed in thousands.			
					Expressed in thousands.										Expressed in thousands.			
United States...	1919	32,470	287,278	362,123	\$331,519	\$571,510	\$1,699,789		Montana.....	1919	247	1,011	1,489	\$1,344	\$1,327	\$4,763		
	1914	33,471	272,092	329,210	195,510	257,848	901,535			1914	238	900	929	700	2,795			
	1909	31,445	258,434	297,763	164,623	201,775	737,876			1909	135	691	679	403	2,111			
Alabama.....	1919	237	1,253	1,037	1,403	2,370	7,286		Nebraska.....	1919	694	2,531	4,075	2,750	4,948	15,322		
	1914	286	1,346	2,804	858	1,017	4,121			1914	692	2,413	3,203	1,652	2,244	7,836		
	1909	274	1,117	1,092	680	666	2,768			1909	674	2,329	2,552	1,397	1,711	6,667		
Arizona.....	1919	84	512	512	541	475	2,087		New Hampshire.....	1919	128	797	863	893	734	2,455		
	1914	74	335	278	303	178	997			1914	136	709	826	450	364	1,449		
	1909	64	268	221	232	168	784			1909	143	677	1,805	356	259	1,131		
Arkansas.....	1919	294	1,102	1,367	1,081	1,447	4,747		New Jersey.....	1910	772	5,356	6,280	6,283	8,651	24,218		
	1914	307	892	1,032	570	647	2,342			1914	732	5,433	7,124	4,036	4,251	14,053		
	1909	295	981	846	538	536	2,082			1909	684	5,451	5,636	3,024	3,472	12,333		
California.....	1919	1,504	10,047	14,696	12,050	20,340	61,815		New York.....	1919	4,831	67,491	73,421	85,357	152,528	478,898		
	1914	1,543	8,759	14,053	7,772	9,709	34,775			1914	4,806	64,020	66,802	49,008	68,915	257,269		
	1909	1,240	7,556	7,674	6,432	6,327	25,032			1909	4,426	63,120	53,973	43,559	56,494	216,946		
Colorado.....	1910	464	2,306	2,512	2,684	4,164	12,613		North Carolina.....	1919	319	1,608	1,991	1,814	2,033	6,404		
	1914	475	2,173	2,413	1,744	1,977	7,027			1914	329	1,540	1,684	877	806	3,232		
	1909	430	2,366	2,045	1,823	1,806	6,902			1909	322	1,376	1,119	661	645	2,497		
Connecticut.....	1919	412	3,021	4,150	3,244	4,540	14,036		North Dakota.....	1919	318	660	1,278	781	851	3,225		
	1914	364	2,838	3,018	1,932	2,195	7,713			1914	351	752	1,212	547	455	2,220		
	1909	363	2,878	3,425	1,737	1,769	6,370			1909	330	788	948	533	440	1,910		
Delaware.....	1919	56	370	457	399	417	1,433		Ohio.....	1919	1,780	19,174	27,268	21,665	38,317	112,029		
	1914	54	380	420	198	211	676			1914	1,783	18,070	24,308	12,800	17,070	55,609		
	1909	48	288	305	129	138	480			1909	1,655	15,756	18,417	9,355	11,904	41,657		
District of Columbia	1919	186	2,154	2,746	2,600	4,548	18,859		Oklahoma.....	1919	510	1,981	2,659	2,332	3,049	10,241		
	1914	156	1,671	2,005	1,239	1,648	6,242			1914	624	1,619	2,288	1,022	923	4,024		
	1909	156	1,565	1,703	1,101	1,095	4,900			1909	598	1,698	1,664	1,044	1,004	3,989		
Florida.....	1919	237	1,172	1,523	1,258	1,708	5,618		Oregon.....	1919	358	1,595	2,584	2,195	3,006	10,155		
	1914	235	1,220	1,325	808	803	3,017			1914	377	1,556	2,230	1,407	1,583	6,011		
	1909	174	905	794	529	434	1,866			1909	324	1,450	1,927	1,448	1,103	5,041		
Georgia.....	1919	418	2,844	3,273	2,711	5,222	14,130		Pennsylvania.....	1919	2,457	26,456	35,419	29,782	61,022	165,344		
	1914	441	2,470	2,085	1,006	1,972	7,576			1914	2,538	26,900	35,659	17,701	27,478	84,977		
	1909	442	2,395	2,008	1,344	1,588	6,400			1909	2,461	24,696	25,839	14,335	22,763	70,584		
Idaho.....	1919	150	438	653	600	633	2,175		Rhode Island.....	1919	155	1,650	2,140	1,815	2,218	7,326		
	1914	173	487	539	371	306	1,343			1914	162	1,515	2,587	1,044	1,162	4,203		
	1909	132	408	388	373	243	1,148			1909	147	1,454	1,944	956	1,064	3,780		
Illinois.....	1919	2,047	36,537	40,987	43,830	70,308	210,331		South Carolina.....	1919	174	1,022	1,257	971	1,204	4,005		
	1914	2,722	32,838	33,503	24,048	33,278	112,833			1914	166	893	937	531	452	1,985		
	1909	2,008	28,644	20,075	18,437	24,680	87,247			1909	161	834	603	412	340	1,601		
Indiana.....	1919	865	0,772	0,557	6,741	10,109	30,612		South Dakota.....	1919	358	766	1,414	811	982	3,882		
	1914	922	0,140	7,978	3,994	5,019	17,117			1914	379	801	1,150	533	462	2,136		
	1909	802	6,750	17,888	8,522	4,025	14,356			1909	392	825	931	493	456	1,976		
Iowa.....	1919	997	4,808	7,023	5,134	7,851	26,806		Tennessee.....	1919	366	2,907	4,735	2,891	5,472	15,833		
	1914	1,076	4,048	6,545	3,336	4,130	15,934			1914	437	2,665	2,892	1,871	2,328	8,201		
	1909	1,110	4,863	5,627	2,501	3,287	12,129			1909	413	2,914	2,965	1,701	1,954	7,173		
Kansas.....	1919	738	3,043	7,578	2,818	5,021	12,717		Texas.....	1919	1,087	5,504	8,096	6,003	11,126	32,687		
	1914	772	2,818	3,722	1,547	2,351	6,991			1914	1,188	4,690	6,111	3,557	3,997	15,051		
	1909	798	3,232	4,868	1,650	2,290	7,000			1909	1,087	4,408	4,392	2,785	2,807	11,587		
Kentucky.....	1919	373	2,850	3,074	2,686	3,614	11,735		Utah.....	1919	156	1,218	1,069	1,138	1,416	4,581		
	1914	414	3,028	3,025	1,908	1,965	6,984			1914	166	872	741	880	2,780			
	1909	431	3,136	2,045	1,690	1,645	6,454			1909	122	967	1,357	685	723	2,405		
Louisiana.....	1919	270	1,581	2,065	1,407	3,081	8,110		Vermont.....	1919	106	615	697	478	488	1,715		
	1914	290	1,405	1,910	985	1,002	4,317			1914	111	651	784	409	297	1,243		
	1909	288	1,544	1,494	1,001	1,013	3,823			1909	115	666	625	326	250	1,039		
Maine.....	1919	175	1,590	1,943	1,293	2,401	5,932		Virginia.....	1919	380	2,719	2,986	2,817	4,586	13,162		
	1914	204	1,772	1,760	956	1,210	3,717			1914	396	2,790	2,881	1,596	2,067	7,070		
	1909	195	1,661	1,565	779	1,102	3,438			1909	369	2,555	2,210	1,307	1,405	5,370		
Maryland.....	1919	385	4,391	5,640	4,937	9,115	23,835		Washington.....	1919	569	2,453	3,710	3,608	4,553	17,349		
	1914	368	4,173	7,018	2,652	3,715	11,263			1914	638	2,341	3,103	2,092	2,435	9,824		
	1909	371	3,886	3,694	1,905	2,464	8,360			1909	506	2,624	2,232	2,140	2,224	9,286		
Massachusetts.....	1919	1,327	18,247	21,120	20,805	34,906	104,551		West Virginia.....	1919	222	1,339	1,947	1,395	1,582	4,837		
	1914	1,344	18,170	20,295	13,260	16,318	58,195			1914	239	1,188	1,835	703	635	2,376		
	1909	1,270	17,532	47,620	11,684	12,881	47,445			1909	235	1,255	1,560	634	541	1,992		
Michigan.....	1919	1,045	7,880	11,587	9,500	15,536	40,829		Wisconsin.....	1919	842	5,838	7,442	5,932	9,000	26,467		
	1914	1,113	8,166	13,033	6,602	7,498	24,953			1914	829	5,653	6,527	3,473	4,847	14,455		
	1909	1,045	7,210	7,051	4,000	4,934	17,348			1909	833	5,360	5,293	2,913	3,386	11,861		
Minnesota.....	1919	1,003	6,319	7,080	6,778	10,353	33,480		Wyoming.....	1919	92	234	1,055					

MANUFACTURES.

TABLE 40.—DETAILED STATEMENT, THE PRINTING

STATE.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				
		Total.	Proprietors and firm members.	Salaries of officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.	
								Maximum month.						
													Capital.	

PRINTING AND PUBLISHING, BOOK AND JOB.

1	United States...	13,080	171,199	12,185	10,571	12,916	12,522	123,005	De 133,741	Ja 119,117	134,370	97,732	33,433	2,401	813	Dollars, 405,554,984
2	Alabama.....	76	702	57	68	47	28	502	Do 536	Ja 460	535	386	147	2	1,288,246	
3	Arizona.....	15	129	16	5	5	8	95	Ja 3	98	94	77	16	1	225,502	
4	Arkansas.....	47	494	51	35	49	29	330	No 379	Ja 203	353	239	108	6	1,205,735	
5	California.....	601	5,535	708	320	363	326	8,188	Do 4,166	Ja 3,590	4,151	3,035	1,047	60	9,13,287,543	
6	Colorado.....	120	1,294	111	63	117	51	952	Do 1,023	Se 388	1,032	707	238	26	1,2,383,417	
7	Connecticut.....	255	2,232	249	138	83	162	1,600	Do 1,705	Ja 1,520	1,720	1,211	423	65	21,4,880,850	
8	Delaware.....	23	135	25	14	1	6	89	Se 3	93	94	51	39	4	330,776	
9	District of Columbia.....	102	1,278	108	76	32	28	1,034	Do 1,175	Ja 908	1,253	942	302	8	1,160,845	
10	Florida.....	77	495	68	38	41	17	331	Do 375	Ja 312	305	260	94	3	1,205,977	
11	Georgia.....	152	1,582	163	96	120	84	1,110	Do 1,207	Fe 1,048	1,210	815	361	31	3,246,420	
12	Idaho.....	23	109	25	7	5	67	Do 73	Ja 3	63	78	62	13	3	281,211	
13	Illinois.....	1,240	28,801	1,021	1,540	2,290	2,371	21,639	Do 23,474	Ap 20,284	23,775	17,386	5,514	357	70,260,336	
14	Indiana.....	278	4,005	260	233	212	259	3,041	Oe 3	176	2,778	3,107	2,075	101	7,979,717	
15	Iowa.....	207	1,775	109	160	27	145	1,244	Do 4,402	Ja 1,170	1,428	902	484	27	15,3,071,693	
16	Kansas.....	143	977	108	58	55	72	624	Do 608	Ap 508	603	440	218	4	1,2,194,319	
17	Kentucky.....	108	1,520	89	80	74	73	1,195	Do 1,340	My 945	1,343	872	453	12	6,3,027,428	
18	Louisiana.....	109	1,129	91	112	83	48	795	Do 855	Mh 780	853	608	103	24	2,194,791	
19	Maine.....	97	557	96	44	11	20	380	Do 415	Fe 370	418	280	127	8	971,024	
20	Maryland.....	210	3,003	188	190	211	171	2,243	Do 2,411	Ap 2,183	2,307	1,843	479	38	7,6,890,651	
21	Massachusetts.....	708	11,102	705	598	890	1,275	7,034	Do 8,217	Ja 7,141	8,201	5,866	2,125	220	50,31,978,693	
22	Michigan.....	436	5,216	413	300	318	360	3,717	Do 4,017	Ja 3,635	3,986	2,726	1,208	47	5,11,366,883	
23	Minnesota.....	277	4,412	259	301	355	435	3,002	Do 3,299	Ja 2,011	3,266	2,153	1,084	27	2,11,725,692	
24	Mississippi.....	37	255	35	16	10	11	183	No 195	Fe 175	194	144	40	4	458,142	
25	Missouri.....	460	7,910	391	508	741	404	5,806	Do 6,401	Ja 5,510	6,406	4,254	2,003	121	25,15,117,837	
26	Montana.....	22	253	10	25	21	15	182	Do 188	Fe 177	189	149	40	40	78,187	
27	Nebraska.....	133	1,200	118	102	53	63	954	Do 1,072	Ja 877	1,008	755	310	3	3,977,421	
28	Nevada.....	5	36	4	5	5	27	30	Do 3	Fe 25	28	24	4	4	69,481	
29	New Hampshire.....	63	459	63	16	6	13	301	Do 411	Ja 338	411	277	134	58	6,602,620	
30	New Jersey.....	421	3,132	427	172	85	100	2,330	Do 2,608	Ap 2,196	2,671	2,035	570	58	8,9,908,576	
31	New Mexico.....	7	43	7	4	1	1	30	Se 35	Ap 27	20	19	10	40	73,679	
32	New York.....	2,536	37,626	2,248	2,300	3,427	3,465	26,066	Do 28,582	Oe 21,154	28,617	23,050	5,270	228	60,91,005,831	
33	North Carolina.....	104	885	91	90	27	45	45	Oe 655	Ap 616	603	493	156	13	1,155,129	
34	North Dakota.....	17	149	17	12	10	7	103	Do 115	Ja 94	114	85	23	6	455,538	
35	Ohio.....	871	11,213	709	605	597	707	8,605	Do 9,340	Ja 7,837	9,364	6,466	2,829	62	7,25,482,824	
36	Oklahoma.....	97	784	88	66	78	47	605	Do 526	Ja 481	517	370	134	4	1,348,566	
37	Oregon.....	122	890	120	81	64	58	567	Do 818	Mh 540	607	471	128	8	2,090,450	
38	Pennsylvania.....	1,289	14,198	1,384	766	804	783	10,461	Do 11,148	Fe 9,077	11,303	7,028	2,974	347	54,36,720,672	
39	Rhode Island.....	105	1,351	110	78	47	172	944	Do 1,099	Ja 899	1,108	705	303	30	10,2,442,825	
40	South Carolina.....	48	400	53	23	33	12	279	Do 290	Ja 269	293	220	65	8	712,858	
41	South Dakota.....	21	150	13	11	15	16	95	Do 111	Jy 88	110	85	21	4	363,827	
42	Tennessee.....	146	2,242	124	128	633	80	1,277	No 1,380	Ja 1,160	1,384	970	391	10	4,3,690,428	
43	Texas.....	308	3,254	324	184	338	150	2,268	Oe 2,454	Ja 2,120	2,428	1,814	585	25	7,370,359	
44	Utah.....	51	544	50	36	65	20	373	Oe 487	Jy 340	340	311	70	15	1,786,106	
45	Vermont.....	53	427	55	23	5	15	329	Do 343	My 320	340	233	108	5	703,932	
46	Virginia.....	174	2,185	164	145	99	92	1,695	No 1,740	Fe 1,663	1,754	1,081	540	101	26,5,590,917	
47	Washington.....	232	1,486	222	120	160	72	908	De 1,030	Se 749	1,017	748	240	22	7,3,105,521	
48	West Virginia.....	71	536	60	33	20	27	887	No 402	Ja 366	398	255	98	41	9,938,009	
49	Wisconsin.....	261	2,917	223	267	162	150	2,125	De 2,492	Ja 1,858	2,491	1,688	722	55	26,5,827,967	
50	Wyoming.....	11	42	15	1	2	2	24	Se 20	Ja 23	24	13	9	2	109,421	

PRINTING AND PUBLISHING, MUSIC.

1	United States...	100	2,622	107	108	813	575	899	De 956	Ja 840	952	744	200	7	1	8,008,122
2	California.....	4	8	3	22	24	66	5	Do 8	5	(4)	5	4	1	6,896	
3	Illinois.....	26	241	18	35	49	330	No 379	Ja 203	333	239	108	60	4	677,430	
4	Indiana.....	4	7	3	1	—	—	3	(4)	3	(4)	3	2	1	5,060	
5	Massachusetts.....	15	325	13	17	75	78	142	No 140	Ja 135	142	116	26	2	1,160,277	
6	Missouri.....	7	71	2	6	18	33	12	Oc 20	Se 2	2	17	8	0	488,244	
7	New York.....	61	1,637	34	116	674	350	457	De 490	Mh 411	490	408	81	1	4,642,297	
8	Ohio.....	11	84	0	12	34	15	14	Jy 16	Ja 12	11	9	2	—	428,134	
9	Pennsylvania.....	17	197	12	16	16	26	128	Oc 130	Jy 110	133	114	16	2	481,942	
10	All other states ^a	15	52	13	9	2	1	27	—	—	27	20	8	—	140,342	

^a Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).^b Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).^c Same number reported for one or more other months.

PRINTING AND PUBLISHING.

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AND PUBLISHING INDUSTRY, BY STATES: 1919.

EXPENSES.						POWER.												
Salaries and wages.			Rent and taxes.			For materials.			Primary horsepower.									
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Value of products.	Value added by manufacturer.	Total.	Owned.			Rented. ²				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹				
176,938	71,050	481,810	19,470	44,894	21,054	749,899	18,757	1,994,661	1,226,005	395	.....	.....	.....	395	3	2	
10,992	13,247	114,608	.....	10,902	4,499	98,400	3,983	371,885	269,483	91	.....	.....	.....	91	.....	3	3
100,052	85,670	316,670	8,351	20,102	34,086	476,550	15,910	1,341,816	849,356	395	.....	4	.....	391	.....	4	4
850,510	829,882	4,387,233	586,228	426,277	228,334	7,683,580	114,750	19,871,377	12,036,047	4,388	75	10	.....	4,274	1	5	5
213,752	181,497	1,117,478	88,510	100,113	77,495	1,304,864	03,990	3,985,230	2,616,376	785	60	.....	.....	725	163	6	6
334,725	247,826	1,674,471	182,683	102,766	82,448	2,140,023	72,954	6,246,748	4,033,771	1,590	132	.....	65	15	1,378	.....	7
33,288	7,136	80,824	23,520	7,317	3,876	127,352	5,139	352,807	220,116	125	.....	.....	15	.....	110	.....	8
252,806	70,937	1,182,500	47,642	64,222	17,041	1,384,560	40,990	9,974,976	2,549,426	854	.....	8	.....	846	.....	10	9
83,058	61,321	342,110	17,054	32,304	50,114	504,534	13,740	1,517,625	909,351	469	.....	18	.....	451	.....	1	10
239,881	204,013	1,099,436	30,310	89,462	43,493	1,710,219	37,398	4,409,104	2,681,387	1,081	16	.....	10	.....	1,046	.....	11
12,991	11,309	81,250	15	11,628	7,090	105,248	3,114	321,564	213,202	111	.....	.....	111	.....	.....	12	12
6,124,489	6,230,738	27,380,408	5,527,904	1,905,897	1,424,260	41,675,229	815,520	110,880,458	68,395,709	23,065	4,136	442	94	.....	18,393	3,784	13
851,554	401,040	2,790,208	360,204	174,074	136,939	4,119,008	102,028	10,741,232	8,520,196	3,167	810	.....	54	.....	2,303	486	14
378,306	279,907	1,170,730	35,009	114,813	38,088	1,844,838	69,022	5,203,500	3,303,700	1,440	.....	20	.....	1,411	.....	1	15
151,184	149,441	595,826	46,483	62,190	51,112	992,403	26,293	2,926,415	1,907,654	677	5	.....	32	.....	640	2	16
286,268	185,543	1,054,293	54,597	51,104	78,183	1,457,356	44,518	4,421,926	2,920,052	1,181	10	.....	5	.....	1,166	5	17
286,813	128,951	721,070	83,001	67,400	45,468	1,007,486	23,917	2,940,703	1,809,300	772	.....	2	.....	770	.....	18	18
83,481	33,079	344,755	17,827	26,341	10,804	405,854	17,763	1,193,897	770,280	655	4	.....	37	1	613	19	19
702,699	439,667	2,492,302	521,391	138,575	240,430	3,973,485	92,072	10,690,650	6,625,093	2,453	571	.....	123	1	1,754	836	20
2,061,109	2,040,370	8,245,091	3,735,861	674,254	508,515	12,606,733	328,352	41,626,859	28,691,774	8,212	1,973	20	6	1,187	1,555	21	21	
1,146,866	990,327	4,681,124	502,319	372,228	253,518	6,318,942	132,854	17,675,925	11,204,129	4,261	540	46	22	.....	3,653	433	22
829,001	844,441	3,088,185	480,288	263,684	214,192	4,232,697	117,952	12,994,804	8,644,155	3,050	100	2	.....	2,948	8	23	23
36,159	18,064	172,587	14,103	11,409	6,311	226,172	7,507	661,719	327,950	187	.....	5	.....	182	.....	24	24
1,787,349	1,439,194	6,236,986	604,285	494,756	311,913	9,020,897	217,587	25,880,461	16,641,977	6,194	870	24	.....	5,300	150	25	25
63,470	34,575	223,458	373	17,186	20,892	268,004	8,564	849,810	573,242	183	.....	145	20	183	.....	26	26
302,060	138,556	1,054,201	190,188	90,123	45,567	1,814,399	51,087	4,897,424	3,031,938	1,230	27	4	.....	1,189	6	27	27
18,017	30,342	960	2,805	2,245	41,391	1,282	143,161	100,488	75	.....	75	.....	75	.....	75	28	28
53,094	21,231	330,058	1,004	19,084	18,287	205,061	11,890	1,030,955	574,004	341	2	8	331	.....	331	29	29
584,305	217,456	2,622,432	116,313	171,834	153,755	3,702,852	125,926	9,569,344	5,740,566	2,532	562	145	20	1,825	200	30	31	
6,330	1,500	30,578	100	2,630	1,150	28,025	1,573	96,637	67,039	20	.....	3	2	508	2	36	31
9,153,281	8,551,325	34,246,076	14,007,237	3,494,841	1,520,385	44,310,039	1,117,227	149,123,975	103,696,700	26,568	657	455	-25	25,431	129	32	32	
201,438	58,199	572,118	31,615	41,977	26,103	716,310	25,250	2,063,446	1,321,886	508	9	499	.....	499	.....	38	38
31,700	18,460	100,814	6,811	12,030	3,072	204,655	12,580	539,158	321,923	144	2	142	1	142	1	34	34	
2,128,365	1,360,392	9,077,722	1,007,485	657,841	571,483	14,802,138	310,782	39,201,684	24,019,764	9,628	770	812	1	8,045	382	35	35	
222,383	346,041	593,500	35,004	69,821	19,830	833,043	24,862	2,507,449	1,649,544	513	3	2	508	2	508	2	36	
247,676	146,484	724,532	23,952	76,145	54,601	1,233,513	23,858	3,395,859	2,138,488	793	.....	1	753	1	792	37	37
2,387,056	1,943,081	11,160,613	1,356,020	888,396	605,987	16,883,029	404,461	48,152,747	28,865,287	11,315	853	6	8,703	1,214	38	38	38	
284,285	122,005	25,376	61,973	90,802	1,152,906	3,850	3,233,117	2,048,125	805	3	1	801	.....	801	.....	39	39
56,062	49,705	255,703	3,001	12,441	20,208	300,652	8,973	869,682	560,058	281	.....	.....	281	.....	281	40	40
31,223	22,515	110,073	1,008	10,111	10,562	124,838	5,852	245,958	285,268	141	3	10	11	10	138	41	41	
899,810	395,017	1,260,758	76,611	100,140	128,409	2,079,986	89,807	5,604,176	3,434,383	2,538	1	40	4	2,493	5	42	42	
594,840	662,754	2,305,204	280,823	201,814	208,416	4,736,313	78,250	12,233,688	7,419,125	2,309	17	1	2,291	1	2,291	1	43	
87,197	85,294	382,184	13,960	31,963	10,817	607,223	16,022	1,384,249	861,004	314	.....	314	.....	314	.....	44	44
47,687	14,016	258,402	5,817	14,999	6,701	255,483	12,172	820,736	563,131	338	25	10	11	292	45	45	45	
400,151	171,320	1,617,356	684,835	93,402	139,508	2,817,700	70,773	7,028,143	4,600,670	1,404	150	9	1	1,245	21	46	46	
310,047	252,014	1,192,780	120,771	134,006	64,881	1,475,340	35,325	4,710,048	3,199,383	1,041	.....	2	.....	1,039	.....	47	47
73,903	50,171	464,830	8,491	36,104	18,780	513,841	13,051	1,434,478	907,586	378	44	1	333	6	333	48	48	
616,927	392,252	2,026,103	98,070	145,808	94,279	3,048,621	87,170	7,070,336	4,834,545	2,043	90	77	1	2,776	1	2,776	1	49
1,300	2,380	20,539	2,570	5,080	1,274	49,980	1,446	148,765	97,339	41	9	0	32	1	32	1	50	

PRINTING AND PUBLISHING, MUSIC.

1,029,374	2,017,366	920,983	2,713,800	206,554	345,745	2,097,144	26,637	14,592,177	12,468,306	634	.....	12	.....	622	.....	1
82,583	93,068	112,172	157,121	20,496	30,253	375,920	3,287	1,211,810	832,603	74	.....	2	.....	74	.....	2
73,407	162,813	123,371	546,107	46,437	40,502	303,183	3,850	1,708,990	1,401,957	147	2	.....	.....	147	5	5
40,092	97,502	11,230	0,641	3,992	1,391	31,765	787	285,303	252,751	10	.....	10	.....	10	6	6
772,266	1,573,301	5														

MANUFACTURES.

TABLE 40.—DETAILED STATEMENT, THE PRINTING

STATE.	Number of establish- ments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					
		Total.	Propri- ters and firm mem- bers.	Salari- ed officers, super- intend- ents, and manag- ers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.	
					Male.	Female.	Average number.	Number, 15th day of—		Male.		Male.	Female.	Male.	Female.
								Maximum month.	Minimum month.						

PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.

																Dollars, 614,045,344
1	United States...	17,302	228,630	14,570	16,200	45,102	32,287	120,381	De 125,967	Ja 115,926	126,210	100,550	21,120	4,244	287	
2	Alabama...	156	1,471	150	115	301	148	607	De 735	Ja 608	733	645	47	40	1	3,403,284
3	Arizona...	69	732	52	48	160	40	417	De 452	Ja 397	453	406	26	21		1,070,324
4	Arkansas...	247	1,280	273	88	93	54	772	No 811	Ja 744	818	645	158	13	2	2,290,362
5	California...	704	10,028	601	2,589	1,377	4,770	No 5,101	Ap 4,500	5,061	4,371	330	360			23,729,018
6	Colorado...	333	2,155	313	139	433	101	1,070	Se 1,106	Fo 1,048	1,126	958	111	56	1	5,336,465
7	Connecticut...	134	2,354	70	205	465	276	1,320	De 1,421	Ja 1,242	1,441	1,173	108	65	5	6,576,634
8	Dalaware...	33	398	24	26	34	33	281	De 293	Ja 264	204	242	48	4		1,165,029
9	District of Columbia...	67	2,183	20	180	510	670	808	Se 851	Ja 735	819	705	125	16	3	5,745,257
10	Florida...	160	1,412	135	142	179	115	841	De 942	Jy 805	880	721	131	36	1	3,778,417
11	Georgia...	262	3,124	223	298	604	222	1,710	De 1,810	Ap 1,047	1,803	1,470	193	134		4,858,052
12	Idaho...	136	676	123	50	89	43	371	De 414	Mh 330	415	327	61	26	1	1,556,802
13	Illinois...	1,204	19,604	801	1,544	3,612	3,437	10,120	De 10,395	Ja 9,003	10,579	8,037	1,847	607		54,099,760
14	Indiana...	559	5,957	500	454	871	621	3,511	Oc 3,599	Ja 3,390	3,610	2,817	783	44	2	10,931,688
15	Iowa...	774	6,303	826	437	1,050	698	3,352	De 3,764	Ja 3,176	3,501	2,530	812	150	9	15,545,132
16	Kansas...	500	3,709	611	205	222	257	2,414	De 2,513	Ja 2,336	2,579	1,678	910	88	3	6,971,867
17	Kentucky...	252	2,208	235	217	375	190	1,272	No 1,325	Ja 1,238	1,311	1,001	191	26	3	5,325,551
18	Louisiana...	149	1,532	144	106	436	135	711	De 760	Ja 657	760	585	82	90	2	3,321,746
19	Maine...	69	1,510	39	83	110	124	1,154	Mh 1,221	Au 1,056	1,179	555	516	7	1	2,782,096
20	Maryland...	142	2,495	89	140	603	206	1,397	De 1,422	Ja 1,301	1,423	1,287	111	23	2	4,970,311
21	Massachusetts...	412	10,405	188	695	2,072	1,025	5,885	De 6,105	Ja 6,650	6,155	5,077	861	207	10	22,964,151
22	Michigan...	565	6,043	483	1,021	1,142	821	3,170	De 3,365	Ja 3,032	3,302	2,723	596	60	7	14,562,346
23	Minnesota...	701	5,713	641	408	914	692	3,058	De 3,230	Ja 2,041	3,235	2,484	683	60	8	14,794,809
24	Mississippi...	156	633	173	50	20	22	412	De 429	Ja 400	431	310	75	36	1	1,130,634
25	Missouri...	774	8,095	714	638	1,506	1,004	4,183	De 4,417	Ja 3,808	4,381	3,397	754	211	19	15,278,683
26	Montana...	225	1,330	192	92	184	80	820	No 861	Fo 700	865	712	87	56		2,841,772
27	Nebraska...	554	2,001	544	176	420	200	1,522	No 1,610	Ja 1,451	1,611	1,185	354	70	2	6,219,318
28	Nevada...	34	158	29	15	4	7	103	De 107	Ja 101	100	84	5	17		352,289
29	New Hampshire...	65	630	48	47	46	53	430	De 453	Ja 421	420	288	102	86		686,268
30	New Jersey...	295	8,708	211	274	555	316	2,352	De 2,390	Jy 2,284	2,404	2,118	251	34	1	8,378,261
31	New Mexico...	80	400	70	34	14	19	257	De 264	Ja 248	264	206	20	32		812,236
32	New York...	1,682	40,584	792	3,241	12,966	9,481	23,164	De 24,338	Oo 21,304	24,370	19,822	4,204	245	30	150,435,954
33	North Carolina...	215	1,002	105	183	186	82	970	No 1,018	Fo 944	1,010	822	84	4		2,664,943
34	North Dakota...	301	1,040	253	84	75	71	557	De 583	Fo 534	505	400	101	28	6	2,739,607
35	Ohio...	794	13,708	586	700	2,403	2,302	7,627	De 8,060	Ja 7,241	8,114	6,067	1,368	72	7	37,353,788
36	Oklahoma...	410	2,073	416	107	477	198	1,415	Oo 1,503	Fo 1,335	1,501	1,244	232	23	2	5,124,641
37	Oregon...	224	1,857	205	130	374	210	929	De 900	Fo 877	1,011	877	114	19	1	3,493,299
38	Pennsylvania...	963	22,461	750	1,460	4,304	3,616	12,331	No 12,097	Ja 11,684	12,557	9,095	2,161	388	18	101,030,354
39	Rhode Island...	36	905	24	58	101	90	602	No 632	Fo 504	641	578	55	8		3,296,189
40	South Carolina...	120	1,187	85	118	163	78	743	De 782	Ja 712	760	584	90	94	1	2,880,607
41	South Dakota...	337	1,200	328	64	90	107	671	No 729	Fo 641	732	400	170	60	3	2,333,251
42	Tennessee...	220	2,781	190	217	428	256	1,600	De 1,780	Ja 1,570	1,788	1,300	327	160	1	7,612,775
43	Texas...	705	6,153	809	403	1,316	438	3,127	No 3,850	Ja 2,083	3,319	2,822	343	146	8	12,635,654
44	Utah...	101	1,236	63	93	172	83	825	De 886	Ja 817	836	744	69	21	2	1,412,337
45	Vermont...	53	465	41	36	39	63	285	De 291	Fo 280	272	190	77	5		777,538
46	Virginia...	197	1,758	172	146	318	158	964	De 1,001	Fo 921	1,010	846	112	60	8	5,131,235
47	Washington...	316	2,085	274	213	719	375	1,404	De 1,523	Fo 1,301	1,521	1,373	116	29	3	7,887,758
48	West Virginia...	151	1,453	108	86	173	74	652	No 975	Fo 921	971	765	9	2		2,722,023
49	Wisconsin...	529	5,077	453	354	922	668	2,080	De 2,795	Ja 2,011	2,822	1,946	721	141	14	11,166,421
50	Wyoming...	81	372	79	31	20	23	210	De 243	Fo 181	240	102	25	31	1	796,763

BOOKBINDING AND BLANK-BOOK MAKING.

1	United States...	1,113	25,287	1,111	1,001	1,576	1,238	20,301	De 21,775	Ja 10,354	22,040	10,094	11,564	308	320	43,041,207
2	California...	40	830	48	26	80	62	623	De 708	Ja 547	708	343	362	2	1	1,736,721
3	Colorado...	4	42	9	1	1	1	31	Ap 33	Ja 27	31	15	18			47,735
4	Connecticut...	16	91	17	3	5	6	66	De 73	Se 60	73	34	36	3		104,729
5	District of Columbia...	6	84	9	1	1	2	71	Jy 77	Ja 65	74	40	32	2		76,399
6	Georgia...	4	21	6				15	No 20	Ja 12	19	10	9			24,338
7	Illinois...	113	2,872	98	137	130	112	2,305	De 2,576	Ja 2,164	2,014	1,351	1,113	66	84	4,703,224
8	Indiana...	14	88	10	9	1	1	68	Oc 70	Mh 64	74	38	33	1	2	107,570
9	Iowa...	12	160	12	9	37	17	85	De 91	So 80	92	48	42	1	1	115,431
10	Kansas...	5	11	6				5	No 7	Ja 4	6	1	5			8,209
11	Louisiana...	7	54	8	0			40	My 44	Ja 29	43	27	16			50,153
12	Maine...	9	84	13	5		1	65	De 70	Mh 60	71	35	36	1	4	87,537
13	Maryland...	15	206	20												

PRINTING AND PUBLISHING.

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AND PUBLISHING INDUSTRY, BY STATES: 1919—Continued.

EXPENSES.						POWER.						Electric horse-power generated in establishments reporting.					
Salaries and wages.			Rent and taxes.		For materials.	Value of products.	Value added by manufacture.	Primary horsepower.									
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent ed. ²				
738,171	461,846	869,882	70,487	32,444	135,640	1,507,980	44,231	5,054,877	3,502,666	1,201	133	6	1,062	2	2		
143,398	211,230	424,210	32,709	29,557	345,533	26,726	1,714,510	1,342,251	421	101	320	51	3	3	3		
191,277	145,477	769,668	51,469	59,191	76,686	908,949	45,345	3,405,163	2,450,809	972	7	204	761	3	4		
1,755,903	4,495,496	5,922,390	1,127,540	484,620	515,475	9,446,955	280,062	34,342,963	24,665,946	8,373	445	81	34	7,813	400	5	
427,056	710,289	1,321,725	324,435	83,302	126,873	2,242,550	72,661	7,533,978	5,218,767	1,518	30	162	2	1,324	7	6	
547,273	863,703	1,480,886	224,508	71,973	144,885	2,120,457	119,380	7,513,467	5,273,621	2,480	320	27	9	2,124	34	7	
66,391	67,575	312,358	19,876	31,095	21,654	268,824	16,046	1,080,600	795,730	332	20	23	289	—	8	9	
683,497	1,423,604	1,166,320	2,507,480	57,294	278,740	2,754,528	43,930	11,397,551	9,098,797	1,679	385	—	1,294	—	10	9	
321,260	307,041	915,491	89,239	51,806	103,565	1,042,512	57,117	4,100,841	3,001,212	1,084	—	217	837	17	10	10	
787,546	896,507	1,595,152	354,135	96,420	182,776	3,387,245	80,423	9,688,328	6,215,660	2,189	14	235	2	1,938	1	11	
102,546	150,286	518,532	12,512	38,425	20,495	491,265	32,909	1,853,587	1,329,413	542	—	37	505	—	12	12	
5,694,915	9,534,888	11,407,047	6,205,024	1,087,750	2,176,112	29,440,143	544,779	88,945,960	58,961,038	14,037	2,667	531	6	10,833	2,248	13	
1,110,593	1,477,048	3,718,805	829,240	175,457	344,108	5,475,746	212,089	19,184,687	13,496,852	6,178	69	5	406	5,698	73	14	
1,222,890	1,653,300	3,741,663	470,076	245,771	355,505	5,162,494	303,884	20,439,956	14,964,558	5,333	499	4	445	4,397	355	15	
445,914	506,638	2,219,400	173,624	114,777	101,029	3,877,492	121,035	9,774,047	5,776,120	6,897	61	505	3	6,328	167	16	
509,002	524,594	1,317,140	205,704	73,652	60,655	1,001,454	90,718	6,183,394	4,431,222	2,306	100	—	228	4	1,974	4	17
331,900	630,007	620,250	149,689	47,741	132,894	8,851,850	37,450	4,970,417	3,085,108	1,252	120	—	1,132	1	18	18	
191,189	227,346	900,908	110,418	44,402	123,026	1,828,516	52,462	4,561,473	2,680,495	1,242	320	16	7	899	207	19	
478,347	1,121,185	1,611,770	344,363	100,290	90,537	3,433,986	68,472	9,363,579	5,861,121	2,310	4	200	107	1,999	—	20	
2,457,055	4,544,556	8,086,782	1,842,154	605,625	1,124,677	10,029,025	443,230	46,801,145	30,327,990	10,267	1,073	251	21	8,922	421	21	
1,378,000	2,304,038	8,035,040	583,320	196,152	985,318	7,500,072	190,073	24,930,421	17,234,276	6,438	15	396	15	6,012	14	22	
1,075,160	1,502,891	3,531,003	1,169,380	257,875	494,078	5,070,389	202,352	20,088,590	14,200,849	4,550	279	373	7	3,891	47	23	
104,836	51,938	341,665	10,733	22,670	18,239	292,267	25,084	1,347,777	1,030,426	511	—	162	—	349	1	24	
1,492,194	3,121,680	4,410,000	1,128,253	370,756	526,676	11,594,122	205,451	30,011,808	18,152,235	7,014	1,883	731	6	4,409	1,168	25	
223,042	320,364	1,120,993	54,862	90,718	54,054	988,924	61,137	3,012,770	2,382,718	1,306	25	248	3	1,030	—	26	
490,379	840,011	1,020,081	488,880	149,450	113,884	2,886,288	117,501	10,179,309	7,175,480	2,707	255	438	2	2,102	309	27	
45,635	11,533	147,058	3,635	13,060	5,833	82,833	10,101	467,631	374,697	189	—	31	5	153	—	28	
100,778	80,302	553,320	38,502	22,452	18,505	433,624	23,085	1,423,988	967,374	522	—	6	50	466	—	29	
997,880	1,011,070	2,945,543	202,572	131,200	289,247	3,042,083	167,239	12,399,856	8,290,534	3,304	613	181	29	2,481	515	30	
62,354	50,503	258,460	7,023	22,805	8,632	190,279	21,117	803,899	592,503	284	—	72	—	212	—	31	
13,390,255	32,142,575	30,813,390	24,008,073	2,801,550	4,378,812	81,588,504	1,213,294	252,100,402	169,306,514	31,551	5,133	100	1,222	286	24,810	2,913	32
492,078	239,124	1,241,817	64,501	56,373	61,270	1,221,378	69,592	4,341,731	3,049,261	1,483	55	158	—	1,270	—	33	
183,097	148,837	974,011	74,602	59,073	25,846	564,201	60,715	2,689,969	2,051,763	1,134	7	5	347	775	38	34	
2,427,824	4,834,302	9,411,413	2,270,258	358,940	1,933,940	18,039,722	402,308	58,567,435	40,125,410	18,961	2,050	48	1,010	23	10,830	2,088	35
403,295	545,179	1,728,688	102,889	140,830	84,105	2,008,231	84,683	7,704,823	5,521,909	2,136	—	385	11	1,740	1	36	
341,155	777,797	1,863,102	284,037	118,484	218,906	1,582,263	61,833	6,408,348	4,764,257	1,681	—	54	13	1,614	—	37	
4,691,054	8,170,249	15,381,711	2,811,528	607,908	3,075,081	38,335,189	603,075	100,666,923	67,618,699	22,045	6,486	—	1,012	137	14,351	5,616	39
200,680	389,347	704,977	35,186	39,730	208,203	908,242	47,924	3,771,531	2,815,665	1,268	965	—	2	299	522	39	
244,086	241,408	714,718	40,552	38,198	84,733	84,177	46,698	3,134,051	2,241,076	976	2	126	4	844	7	40	
150,404	219,977	691,046	47,032	47,307	42,388	792,036	69,217	3,465,969	2,614,716	1,273	10	412	—	851	3	41	
514,821	741,579	1,640,673	509,118	71,855	222,498	3,210,522	85,425	10,228,670	6,926,723	2,197	100	113	4	1,980	7	42	
1,227,186	1,894,405	3,507,216	507,106	253,592	313,727	5,925,688	106,272	10,998,949	13,877,039	5,708	794	5	685	13	4,211	419	43
198,643	247,877	738,280	200,902	50,092	25,251	837,581	28,060	3,128,560	2,263,913	746	—	19	—	727	—	44	
61,654	91,112	210,013	18,250	15,100	14,184	203,280	17,169	894,527	674,078	359	32	13	314	11	45		
340,292	483,308	1,145,044	124,074	54,281	110,025	2,024,426	50,826	5,997,672	3,013,320	1,549	10	147	4	1,588	8	46	
637,555	1,259,076	2,250,200	623,478	192,787	330,927	2,079,450	118,434	11,954,252	9,156,350	2,488	—	67	16	2,405	—	47	
191,997	246,344	930,144	35,776	47,028	57,022	907,027	52,238	3,402,541	2,347,276	1,569	77	537	13	1,015	123	48	
90,967	1,409,234	2,937,217	307,157	145,846	813,775	4,202,397	164,782	14,639,902	10,272,223	8,705	13	335	19	3,338	30	49	
64,317	249,092	299,892	9,616	25,609	9,450	200,105	20,566	1,078,443	857,772	1,014	2	87	7	918	12	50	

* Same number reported for one or more other months.

MANUFACTURES.

TABLE 40.—DETAILED STATEMENT, THE PRINTING

STATE.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Number, 15th day of—	16 and over.		Under 16.					
					Male.	Female.	Average number.	Maximum month.		Male.	Female.	Male.	Female.				

BOOKBINDING AND BLANK-BOOK MAKING—Continued.

																Dollars.
1	Missouri.....	39	1,243	38	58	90	80	977	De 1,238	My 753	1,286	532	722	17	15	2,389,189
2	Nebraska.....	4	35	5	2	2	2	24	De 27	Ja 21	20	12	14	3	.....	67,409
3	New Jersey.....	34	445	38	14	52	20	315	De 341	Ja 276	341	212	127	2	.....	615,485
4	New York.....	397	10,420	395	407	587	547	8,513	De 8,800	Ja 8,306	9,819	4,446	5,208	55	50	18,211,949
5	Ohio.....	54	1,301	56	44	255	112	834	De 1,004	Fo 762	997	529	404	4	.....	3,242,432
6	Oregon.....	6	69	4	6	1	3	55	Au ³ 67	Ja ³ 49	55	24	20	2	.....	91,881
7	Pennsylvania.....	109	1,776	110	68	39	40	1,519	No 1,591	Ja 1,441	1,023	730	831	25	28	2,705,534
8	Rhode Island.....	6	37	5	5	4	2	21	Je 31	Ap ³ 18	23	14	0	.....	75,468	
9	Tennessee.....	3	15	3	.....	.....	1	11	No ⁴ 12	Mh 8	11	7	4	.....	27,447	
10	Texas.....	8	176	7	4	3	3	160	Do 171	Fo ³ 153	170	34	130	.....	130,102	
11	Utah.....	4	28	2	3	3	.....	20	No ⁵ 22	Ja ³ 17	20	9	9	2	.....	32,947
12	Virginia.....	4	60	6	.....	2	.....	42	My 47	Ja 36	44	17	27	.....	56,070	
13	Washington.....	14	52	14	1	.....	.....	37	De 44	Se 27	41	22	17	2	.....	121,587
14	Wisconsin.....	32	651	23	25	83	40	480	Oc 536	Ap 436	526	105	244	34	53	857,386
15	All other states ⁶	18	250	24	18	22	11	181	.....	.....	183	105	75	3	.....	340,943

ENGRAVING, STEEL AND COPPER PLATE, INCLUDING PLATE PRINTING.

	United States..	421	8,779	370	477	431	487	7,014	De 7,943	Ja 0,402	7,824	4,544	3,018	128	136	19,040,260
1	California.....	24	186	23	10	9	9	135	De 173	Ja 101	150	95	63	1	.....	217,147
3	Colorado.....	3	56	2	2	1	4	47	De 60	My 42	60	30	21	2	7	38,012
4	Connecticut.....	7	44	6	3	4	5	28	De 35	Mh 16	34	23	8	3	.....	34,626
5	District of Columbia.....	5	58	6	3	1	4	44	De 52	Ja 30	52	33	19	.....	69,053	
6	Illinois.....	33	1,462	21	98	74	80	1,189	De 1,286	Ap 1,100	1,281	774	436	25	46	3,649,362
7	Indiana.....	7	128	6	6	7	6	103	Oc 115	Ja 92	111	88	17	3	3	106,902
8	Kentucky.....	8	257	3	19	11	17	207	219	Mh 201	210	101	107	2	.....	222,409
9	Louisiana.....	5	49	4	4	3	3	36	(e) 35	(e) 35	35	28	7	.....	30,831	
10	Maryland.....	12	53	13	.....	1	2	37	My 42	Ap 31	38	27	5	2	.....	33,033
11	Massachusetts.....	24	524	10	22	21	33	432	Oc 516	Fo 386	405	224	189	24	28	488,256
12	Michigan.....	10	93	16	2	4	4	67	De 85	Ja ³ 61	78	56	21	1	.....	76,018
13	Minnesota.....	7	101	7	1	8	5	50	De 90	Ja 73	91	51	1	.....	93,063	
14	Missouri.....	15	206	12	18	2	9	165	De 211	Ja 146	208	92	110	2	4	188,538
15	New Jersey.....	16	212	15	12	2	6	177	De 108	Ja 165	199	168	27	2	.....	279,675
16	New York.....	119	3,198	112	164	176	100	2,588	De 2,945	Ja 2,378	2,900	1,737	1,148	11	4	10,324,108
17	Ohio.....	22	304	15	14	12	8	255	Jy 271	Fo 224	271	174	97	.....	225,887	
18	Oregon.....	6	58	6	2	.....	6	44	De 51	Ja 37	51	43	8	.....	72,018	
19	Pennsylvania.....	54	1,221	48	58	84	93	938	De 1,070	Ja 873	1,054	404	486	41	33	2,302,541
20	Rhode Island.....	8	102	11	5	1	2	83	Da 118	Fo 63	111	70	40	1	.....	94,888
21	Texas.....	6	66	0	.....	2	5	50	De 70	Jy 42	70	41	29	.....	111,221	
22	Virginia.....	5	24	4	1	.....	1	18	De ³ 10	Ja ³ 18	10	11	5	1	.....	15,624
23	Washington.....	3	33	2	3	4	4	24	No ³ 20	My ³ 21	24	10	14	5	.....	38,333
24	Wisconsin.....	8	140	1	16	4	10	115	No 125	Mh 105	120	84	80	1	.....	110,073
25	All other states ⁶	14	198	12	14	4	11	167	.....	.....	183	102	80	1	.....	218,554

LITHOGRAPHING.

	United States..	331	10,305	150	1,134	1,470	933	15,618	De 16,850	Ja 14,743	10,810	13,223	3,422	110	55	60,817,330
2	California.....	11	880	2	35	106	50	600	No 771	Fo 634	754	618	134	1	1	2,980,533
3	Colorado.....	4	241	1	10	25	8	197	De 218	Fo 175	218	124	94	.....	632,879	
4	District of Columbia.....	6	242	.....	23	14	8	197	Jy 214	Ja 185	180	156	32	1	.....	561,861
5	Illinois.....	31	1,380	10	91	131	65	1,033	De 1,133	Ja 1,035	1,135	870	247	7	11	4,187,623
6	Indiana.....	3	61	4	4	1	6	46	Se 49	Ja 39	48	35	6	6	1	190,382
7	Iowa.....	4	165	1	13	15	9	127	No 144	My 118	141	97	41	3	.....	322,913
8	Kentucky.....	5	249	1	23	34	15	176	Se 186	Ja 163	184	146	36	1	1	853,362
9	Maryland.....	6	604	11	22	62	27	542	Mh 573	507	576	517	52	6	1	3,692,182
10	Massachusetts.....	14	1,519	1	85	106	109	1,218	De 1,349	Ap 1,166	1,349	917	412	14	6	4,141,125
11	Michigan.....	10	550	4	43	49	10	438	De 504	Ja 381	504	384	120	.....	1,912,267	
12	Missouri.....	15	384	9	28	65	20	262	De 278	Ja 241	257	108	50	6	3	940,976
13	New Jersey.....	6	186	1	9	1	2	173	No 186	Ja 148	189	164	23	2	.....	276,339
14	New York.....	136	8,209	63	487	609	375	6,676	De 7,218	Fo 6,285	7,205	5,897	1,282	21	5	25,522,633
15	Ohio.....	28	2,312	10	109	126	128	1,030	No 2,103	Ja 1,764	2,091	1,715	374	2	.....	8,364,037
16	Pennsylvania.....	25	1,294	20	85	63	47	1,070	No 1,205	Ja 998	1,154	803	318	28	5	3,057,194
17	Washington.....	4	108	.....	10	10	6	32	No 97	My 98	92	64	24	2	.....	342,529
18	Wisconsin.....	12	520	1	37	30	23	438	Au 406	Ja 398	437	336	88	6	7	2,066,276
19	All other states ⁷	11	323	11	20	23	19	260	.....	.....	287	182	89	4	12	782,239

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).³ Same number reported for one or more other months.⁴ All other states embrace: Alabama, 2 establishments; Arizona, 1; Arkansas, 1; Delaware, 2; Idaho, 1; Kentucky, 3; New Hampshire, 2; North Carolina, 1; Oklahoma, 2; South Carolina, 1; Vermont, 2.

PRINTING AND PUBLISHING.

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AND PUBLISHING INDUSTRY, BY STATES: 1919—Continued.

EXPENSES.						POWER.						
Salaries and wages.			Rent and taxes.		For materials.	Value of products.	Value added by manufacture.	Primary horsepower.			Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.			Total.	Owned.	Rented. ²		
									Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹
1,580,645	1,037,053	8,228,273	121,008	750,888	320,480	9,587,720	205,886	27,892,678	18,099,072	4,589	111	4,408
150,281	665,969	824,540	80,486	46,270	30,489	882,004	26,120	3,830,561	2,928,341	846		846
20,354	4,304	52,843	2,520	8,875	2,738	74,618	1,705	195,734	119,411		38	
109,100	129,500	1,236,541	6,043	116,373	106,204	1,687,019	33,941	4,537,388	2,816,428	741		
6,283	8,304	21,320		27,002	788	33,141	330	104,004	70,533		12	
150	150	11,238		1,000		7,977	335	27,791	18,479		6	
9,650	19,800	85,027		4,379	1,477	141,003	1,725	309,902	167,114		64	
6,200	1,600	17,690		2,184	391	25,881	1,020	67,059	40,152		9	
2,200	35,297			1,332	161	20,888	1,448	83,205	60,919		23	
1,300	42,604	1,400		5,225	1,570	34,300	1,375	133,622	97,857		19	
50,099	128,282	355,300	21,048	20,612	15,680	602,248	9,269	1,406,375	795,558		189	
70,079	48,433	143,697	5,238	7,413	11,008	155,820	7,077	627,208	464,305		124	

BOOKBINDING AND BLANK-BOOK MAKING—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
160,958	234,764	822,656	3,441	42,110	87,730	1,310,074	21,190	3,194,651	1,863,387	518	
3,720	3,997	23,156		2,640	646	16,007	1,363	61,315	43,945	17	
42,199	97,828	296,631	1,573	15,321	446,981	14,992	1,180,032	718,059	192	20	170
1,580,645	1,037,053	8,228,273	121,008	750,888	320,480	9,587,720	205,886	27,892,678	18,099,072	4,589	111
150,281	665,969	824,540	80,486	46,270	30,489	882,004	26,120	3,830,561	2,928,341	846	
20,354	4,304	52,843	2,520	8,875	2,738	74,618	1,705	195,734	119,411	38	
109,100	129,500	1,236,541	6,043	116,373	106,204	1,687,019	33,941	4,537,388	2,816,428	741	
6,283	8,304	21,320		27,002	788	33,141	330	104,004	70,533	12	
150	150	11,238		1,000		7,977	335	27,791	18,479	6	
9,650	19,800	85,027		4,379	1,477	141,003	1,725	309,902	167,114	64	
6,200	1,600	17,690		2,184	391	25,881	1,020	67,059	40,152	9	
2,200	35,297			1,332	161	20,888	1,448	83,205	60,919	23	
1,300	42,604	1,400		5,225	1,570	34,300	1,375	133,622	97,857	19	
50,099	128,282	355,300	21,048	20,612	15,680	602,248	9,269	1,406,375	795,558	189	
70,079	48,433	143,697	5,238	7,413	11,008	155,820	7,077	627,208	464,305	124	

ENGRAVING, STEEL AND COPPER PLATE, INCLUDING PLATE PRINTING.

1,758,990	1,120,321	7,908,100	138,215	423,847	441,895	6,777,505	203,242	24,209,154	17,228,407	5,420	799	40	5	4,576	536	1
22,379	22,200	154,971	6,824	12,875	2,113	116,425	2,352	404,544	375,767	72				72		
3,890	2,584	34,705		3,000	472	27,354	433	91,150	63,313	20				20		
8,200	2,924	21,775		250	4,060	23,440	386	81,083	57,262	14				8		
4,840	3,880	49,700		4,055	318	29,000	1,052	129,480	99,422	7				7		
376,205	203,355	1,386,008	11,973	50,559	132,374	1,530,303	40,441	4,794,095	3,223,291	1,372	725			647	536	6
21,000	13,541	130,671		5,594	1,028	73,563	4,553	362,724	284,608	92				92		
49,886	28,718	116,316	6,000	5,022	4,848	150,602	4,110	480,121	325,400	38	2			36		
4,300	3,932	30,408	1,476	3,710	310	35,711	1,493	93,598	61,392	19				19		
2,408	2,408	34,557	655	3,442	37	36,896	815	110,689	72,958	13				13		
122,082	55,549	407,260	9,074	20,780	30,012	254,262	7,340	1,318,098	1,056,496	110				10		
3,000	6,088	81,748	300	7,570	187	38,572	1,207	201,395	161,616	27				27		
2,080	7,338	63,923	1,200	4,745	575	51,242	938	151,126	98,946	30				30		
42,751	9,841	141,576	2,100	11,180	1,480	118,398	2,029	405,082	284,655	70				70		
32,202	13,220	242,571	6,817	12,978	1,231	61,321	7,824	549,197	477,032	118				8		
716,028	430,725	3,209,803	50,456	141,037	203,317	2,705,292	87,824	9,384,258	8,591,142	2,558	72			2,488		
49,718	20,172	313,963	8,102	18,848	12,402	173,905	4,936	825,800	646,059	103				103		
6,565	4,382	54,818		521	25,919	154,837	2,018	128,900	72					72		
178,612	247,965	872,300	17,691	51,449	24,718	904,688	21,414	3,213,689	2,227,587	464				16	448	19
10,080	1,975	100,150	3,997	6,068	2,482	41,590	1,737	217,100	173,333	55				5	50	20
4,740	45,678			534	46,494	64,404	144,199	97,091	144,199	15				15		21
1,800	780	19,202	2,246	1,300	75	11,055	302	53,435	42,018	10				10		22
8,070	2,540	20,446		3,895	198	18,255	498	79,884	61,133	9				9		23
46,945	12,002	110,088	13,014	8,000	17,444	78,867	3,428	370,353	288,058	36				36		24
47,003	12,033	161,700	1,040	12,898	3,577	104,345	5,300	501,254	331,549	96				96		25

LITHOGRAPHING.

4,716,652	4,390,200	18,201,080	1,363,424	1,019,760	1,380,634	27,128,998	589,219	73,151,115	45,432,898	18,624	6,188	254	575	....	11,607	7,424	1
210,658	250,255	900,111		25,805	326,102	1,849,067	18,082	4,583,473	2,716,324	1,413	10				1,403	93	2
33,648	115,276	174,427		15,921	18,949	417,356	6,203	914,880	491,031	169					169		3
86,502	54,780	224,575	200	10,171	3,770	230,190	9,632	687,447	449,225	178					178		4
410,603	440,517	1,378,085	157,546	82,837	112,157	2,199,568	44,283	6,014,666	3,770,825	1,176	127	30		1,019	136	5	
7,435	6,881	43,369	2,701	805	1,075	64,408	1,902	141,962	75,652	58					58		6
50,492	61,070	146,710	4,400	9,060	8,630	339,557	4,857	744,462	400,048	138					138		7
55,580	115,411	167,783	243	3,105	6,335	109,495	5,789	649,098	443,834	149	100				49		8
97,910	141,426	615,209	12,939	11,242	80,961	1,237,337	27,280	3,123,735	1,859,118	687	300				387	360	9
339,417	377,626	1,347,811	158,643	26,735	97,661	51,369	4,916,351	3,019,924	1,025	688	120				237	1,515	10
138,474	117,924	407,455	33,344	14,705	57,172	760,042	18,817	1,928,149	1,144,290	637	517	25					