

MANUFACTURES—TEXAS.

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 1919, 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 of this class of product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this section give the principal facts separately for the industries of the state. A selection has been made of certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice has been followed in compiling the statistics for 1919 and 1914 when placed in com-

parison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 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. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

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 was not a representative day an earlier date was chosen.

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 for any state, 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. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by age of the wage earners in each industry 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 in that industry to determine the average numbers 16 years and over, and under 16, employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

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 calculate 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.—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 1914 and 1909. 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 very 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 generated by 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—natural and manufactured—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. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.

GENERAL STATISTICS.

General character of the state.—Texas has a gross area of 265,896 square miles, of which 262,398 represent land surface. The inhabitants of the state in 1900 numbered 3,048,710; in 1910, 3,896,542; and in 1920, 4,663,228. Texas ranked fifth among the states in population in 1920. The number of inhabitants per square mile in 1910 was 14.8, the corresponding figure for 1920 being 17.8.

In 1920 there were 29 cities in the state having more than 10,000 inhabitants, for which separate data are presented in this report. Port Arthur, with a population of 22,251, has been excluded from all tables showing city statistics to avoid disclosing the operations of individual establishments in that city. The remaining cities, the combined population of which in that year formed 23.4 per cent of the total for Texas, reported 40.8 per cent of the state's manufactured products in 1919.

Importance and growth of manufactures (Table 1).—The large increases in salaries, wages, cost of materials, and value of products from 1914 to 1919, as presented in Table 1, are chiefly due to the changes in industrial conditions brought about by the World War and can not be used to measure the growth of manufactures between the industrial censuses 1914 and 1919. However, the increases shown in the number of persons engaged and horsepower used indicate considerable growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase shown in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. The statistics for this census, however, are presented separately for 158 counties. Figures for the remaining 95 counties could not be shown separately without the possibility of disclosing the operations of individual establishments but are combined under "All other counties."

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading in indicating their importance from a manufacturing standpoint. In many industries the ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described under the "Ex-

planation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 30.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 500 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Each of the 24 cities for which comparative figures are presented in this table shows increases in value of products between 1914 and 1919 except San Angelo. Increases in the total number of wage earners are also shown for all such cities except Austin, San Angelo, and Texarkana.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with industrial conditions existing during the census years 1919, 1914, and 1909.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, this table gives similar data for males and females for all industries combined for the state and for cities of 10,000 inhabitants or more, and also the number of females for industries in which a large number of females were employed. There were 21 industries in the state in 1919 in which the number of females predominated. Data for two such industries, "clothing, men's" and "tobacco, cigars," are shown in this table, the other industries were of minor importance.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working-day in Texas. In that year 16.5 per cent of the wage earners were included in the group "48 and under" as against 43.2 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 55.3 per cent of the total number of wage earners, as compared with 29 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 96.5 per cent were in the several classes reporting

fewer than 101 wage earners, while such establishments employed only 41.9 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.5 per cent of the total number of establishments, but reported 58.1 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909 and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of two or more groups of an industry for 1914, to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table excludes data for Beaumont, Del Rio, and Port Arthur, the presentation of which might disclose the operations of individual establishments.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations operated only 28.9 per cent of the establishments in Texas in 1919, they reported 80.6 per cent of the average number of wage earners and 88.2 per cent of the total value of products. Data for the cities of Beaumont, Brownsville, Cleburne, Corpus Christi, Del Rio, Fort Worth, and Palestine are not presented in this table to avoid the possibility of disclosing the operations of individual establishments.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in 29 cities in 1919 constituted 46.6 per cent of the total in the state. These cities reported 46.3 per cent of the average number of wage earners and 40.8 per cent of the total value of products. Statistics for Port Arthur are included with those for the state outside of cities to avoid disclosure of individual operations.

Principal industries in cities of 50,000 inhabitants or more, with per cent of total for state (Table 16).—This table includes all industries in Dallas, El Paso, Fort Worth, Houston, and San Antonio having products of \$500,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics for the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside, by the simple deduction of the totals shown for the industry in the cities from that given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 107,416 horsepower, or 32 per cent. This increase, however, is chiefly due to the gain of 79,614 horsepower, or 184.1 per cent, in rented power. The owned power increased 27,802 horsepower, or 9.5 per cent, during the five-year period 1914 to 1919.

Fuel consumed (Table 18).—This table shows the quantity of the principal fuels used by manufacturing plants in the state and cities in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	5,724	5,084	4,588	3,158	3,107	12.6	10.8	45.3	1.6
Persons engaged.....	130,911	91,114	84,575	57,892	(²)	43.7	7.7	46.1	.....
Proprietors and firm members.....	5,393	4,787	4,496	3,073	(²)	12.7	6.5	40.3	.....
Salaried employees.....	17,996	11,474	9,849	5,753	2,861	56.8	16.5	71.2	101.1
Wage earners (average number).....	107,522	74,853	70,230	49,066	38,604	43.6	6.6	43.1	27.1
Primary horsepower.....	443,207	335,791	282,471	164,637	116,157	32.0	18.9	71.6	41.7
Capital.....	\$585,776,451	\$283,543,820	\$216,875,579	\$115,684,871	\$63,655,616	106.6	30.7	87.5	81.7
Salaries and wages.....	147,907,778	59,179,344	48,774,827	30,586,651	19,830,357	149.9	21.3	59.5	54.2
Salaries.....	31,503,978	14,357,967	10,807,555	6,117,709	2,918,676	119.4	32.1	77.6	109.6
Wages.....	116,403,800	44,821,377	37,967,272	24,468,942	16,911,681	159.7	18.2	54.9	44.7
Paid for contract work.....	3,067,813	1,342,170	1,324,435	1,456,004	(²)	128.6	1.3	—9.0	.....
Rent and taxes.....	15,912,226	3,939,184	2,618,836	1,084,791	(²)	303.9	50.4	.....	.....
Cost of materials.....	701,170,898	253,144,261	178,178,515	91,603,630	54,388,303	177.0	42.1	94.5	68.4
Value of products.....	909,995,796	361,270,303	272,895,635	150,528,389	92,894,433	176.8	32.4	81.3	62.0
Value added by manufacture.....	298,824,898	108,135,042	94,717,120	58,924,750	38,506,130	176.3	14.2	60.7	53.0

¹ A minus sign (—) denotes decrease.

² Figures not available.

³ Exclusive of internal revenue.

⁴ Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
The state.....	5,724	107,522	\$116,403,800	\$15,912,226	\$701,170,898	\$999,995,796	\$298,824,898	443,207
Anderson.....	36	1,243	1,512,969	44,407	1,400,807	3,440,825	2,040,018	2,885
Angelina.....	33	2,249	2,309,028	402,123	2,621,326	7,257,824	4,636,498	6,395
Armstrong.....	3	4	2,148	697	10,402	15,526	5,124	77
Austin.....	27	105	106,221	6,046	720,596	976,803	250,207	953
Bastrop.....	26	177	129,827	21,988	483,080	852,234	369,154	1,460
Bee.....	12	43	33,195	3,617	215,146	354,335	139,189	308
Bell.....	90	614	600,029	74,081	2,737,577	4,154,055	1,416,478	3,849
Bexar.....	328	6,860	5,977,625	871,704	23,142,227	37,045,244	13,903,017	16,071
Bosque.....	21	159	174,538	4,154	488,221	738,410	250,189	639
Bowie.....	47	1,068	1,112,114	229,009	3,392,192	6,158,679	2,706,487	5,856
Brazoria.....	22	100	85,460	4,982	493,650	779,013	285,354	287
Brazos.....	19	96	88,747	11,607	601,365	1,127,811	526,446	534
Brewster.....	8	22	1,468	22,289	54,949	32,660	32,660	205
Brown.....	26	283	188,974	26,333	1,347,601	1,672,403	324,842	710
Burnet.....	10	9	6,638	953	28,115	51,826	23,711	69
Caldwell.....	17	38	28,539	12,037	222,490	312,655	90,156	838
Calhoun.....	5	2	2,515	1,099	8,422	22,040	13,618	10
Cameron.....	30	174	133,880	17,642	523,388	788,541	265,153	1,411
Camp.....	13	125	92,254	19,351	331,422	537,584	206,102	829
Cass.....	30	157	145,294	2,939	74,466	409,866	335,410	870
Chambers.....	4	23	12,874	263	24,322	59,604	35,282	130
Cherokee.....	55	794	750,944	88,997	1,063,216	2,682,316	1,619,100	3,899
Clay.....	23	55	51,008	8,151	216,417	773,435	557,018	480
Coleman.....	8	21	17,790	4,425	110,686	159,181	48,495	684
Collin.....	42	441	377,188	105,009	5,346,759	6,805,649	1,518,800	4,425
Collingsworth.....	4	8	7,537	1,352	13,161	87,047	73,886	54
Colorado.....	24	103	111,470	6,099	479,440	1,010,099	530,059	2,217
Conal.....	29	331	264,987	47,323	3,971,096	4,835,478	804,382	3,159
Comanche.....	14	63	56,720	30,559	438,685	615,465	176,780	490
Cooke.....	31	275	334,531	29,064	4,184,153	5,139,867	953,714	1,023
Coryell.....	12	61	37,087	2,882	507,535	640,613	139,078	430
Crockett.....	9	21	42,565	1,797	19,319	93,615	74,296	42
Crosby.....	4	1	705	686	2,861	11,915	9,054	5
Culberson.....	4	3	3,980	969	5,793	22,656	16,803	41
Dallam.....	8	106	259,943	4,096	125,605	469,807	344,202	211
Dallas.....	492	8,708	8,752,026	3,132,609	83,488,609	116,160,150	32,671,541	33,027
Dawson.....	3	2	2,100	178	1,491	7,130	5,639	21
De Witt.....	40	348	238,471	75,089	2,354,451	2,952,465	598,014	2,461
Deaf Smith.....	3	3	3,910	1,317	10,833	20,824	9,991	6
Delta.....	10	59	39,510	7,255	726,583	836,987	110,404	763
Denton.....	42	233	217,675	54,083	2,282,568	3,146,795	804,227	2,376
Dimmit.....	5	6	3,652	748	11,679	23,174	11,495	50
Donley.....	5	8	8,034	1,241	10,687	25,880	15,193	43
Eastland.....	43	251	330,011	36,568	1,293,401	2,342,276	1,048,875	1,121
El Paso.....	217	4,816	4,647,254	573,372	24,505,469	34,859,347	10,353,878	23,952
Ellis.....	61	893	891,193	128,364	3,943,999	6,054,015	2,110,016	4,862
Erath.....	26	126	141,619	21,535	710,467	1,012,599	302,132	1,265
Falls.....	34	100	87,414	19,951	488,107	761,344	273,237	1,076
Fannin.....	57	413	329,434	89,987	2,645,887	3,599,791	953,504	3,429
Fayette.....	31	81	49,078	6,722	453,395	601,763	148,368	1,383
Floyd.....	5	4	4,996	396	20,535	37,960	17,425	31
Franklin.....	4	5	5,840	642	9,727	26,000	19,873	400
Gillespie.....	11	27	16,818	1,637	45,113	85,175	53,062	211
Goliad.....	8	7	5,811	1,224	17,986	34,811	16,826	304
Gonzales.....	22	206	130,888	18,829	988,059	1,293,892	305,283	1,717
Gray.....	3	8	1,020	236	5,126	12,650	7,524	8
Grayson.....	137	2,750	3,118,399	345,681	23,930,732	30,612,624	6,681,892	12,272
Gregg.....	35	559	537,777	40,459	1,336,264	2,391,481	1,055,217	1,987
Grimes.....	13	87	76,239	17,767	1,229,125	1,489,384	260,259	862
Guadalupe.....	19	114	72,759	14,009	907,044	1,156,274	249,230	1,743
Hale.....	7	22	19,772	2,749	185,457	273,556	87,099	464
Hamilton.....	12	44	38,789	5,600	441,631	557,679	110,048	448
Hardeman.....	9	254	207,602	13,936	827,869	1,627,042	799,173	1,446
Hardin.....	27	1,447	1,699,541	72,535	1,835,913	4,633,259	2,797,346	5,046
Harris.....	422	11,411	12,173,174	2,160,903	72,812,935	104,776,719	31,963,784	36,637
Harrison.....	42	1,767	2,180,474	76,013	4,341,402	7,103,588	2,762,186	2,085
Hays.....	18	46	34,787	7,042	640,628	782,998	142,370	625
Henderson.....	17	160	113,641	22,871	383,920	615,608	231,688	1,235
Hidalgo.....	23	97	73,145	8,873	152,329	383,757	231,428	456
Hill.....	38	411	305,169	62,847	2,562,134	3,633,061	970,027	2,090
Hopkins.....	19	96	50,894	14,487	547,454	790,424	242,970	641
Houston.....	26	204	174,583	7,701	654,797	922,746	267,949	1,642
Hunt.....	56	344	425,651	73,893	5,415,760	6,988,053	1,672,263	3,503
Jack.....	6	10	13,181	5,034	161,566	217,180	55,614	537
Jackson.....	8	12	8,834	1,095	29,589	71,284	41,695	245
Jasper.....	25	2,586	2,538,837	146,857	1,813,276	7,062,980	5,249,713	6,457
Johnson.....	48	1,229	1,569,497	37,527	2,448,733	4,614,680	2,165,947	2,634
Jones.....	14	80	82,117	8,517	427,162	621,952	194,790	598
Kaufman.....	29	303	290,666	29,476	2,392,067	2,952,566	560,449	3,691
Kendall.....	10	13	9,888	836	78,696	103,676	24,880	259

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
Kerr.....	8	7	\$8,556	\$1,779	\$51,285	\$83,134	\$31,849	477
Kimble.....	3	5	4,760	165	3,002	11,396	8,394	43
Kinney.....	3	1	930	232	9,201	17,051	7,850	.....
Kleberg.....	8	499	712,794	11,092	572,427	1,364,670	702,243	904
La Salle.....	4	3	2,260	52	4,697	19,885	15,188	52
Lamar.....	66	996	754,061	160,015	4,348,130	6,691,981	2,343,851	4,051
Lampasas.....	10	19	14,693	1,819	89,069	146,366	57,287	320
Lavaca.....	26	554	755,010	20,955	796,508	1,859,632	1,062,124	1,368
Lee.....	12	44	31,019	3,662	586,468	716,944	130,478	545
Leon.....	7	2	1,150	475	3,454	11,187	7,733	120
Liberty.....	18	759	787,147	30,190	702,412	1,989,671	1,287,259	3,327
Limestone.....	20	228	95,813	14,013	931,668	1,451,290	519,631	1,936
Llano.....	11	34	41,780	2,345	30,324	135,577	105,253	371
Lubbock.....	10	97	155,267	3,602	111,268	315,798	204,530	223
McCulloch.....	9	28	23,748	2,788	216,521	295,757	79,236	349
McLennan.....	173	1,990	1,922,966	308,795	11,444,228	17,658,794	6,214,506	7,897
Madison.....	5	5	3,722	791	8,662	19,898	11,236	60
Marion.....	17	204	197,671	7,703	513,363	845,815	332,452	924
Mason.....	4	6	4,844	679	6,578	15,039	8,461	74
Matagorda.....	27	89	74,600	11,182	199,485	1,271,396	1,071,911	749
Maverick.....	7	33	10,915	3,028	51,137	99,323	48,186	379
Medina.....	14	55	33,282	1,847	58,982	119,833	60,851	723
Midland.....	7	17	18,265	6,111	15,398	61,600	46,202	131
Milam.....	25	115	99,195	9,592	1,403,702	1,762,507	358,805	955
Mills.....	6	5	2,835	424	7,592	10,915	9,323	18
Mitchell.....	4	15	13,213	1,925	73,007	103,310	30,303	414
Montague.....	30	80	80,337	50,002	848,734	1,137,773	289,039	629
Montgomery.....	24	989	882,793	93,279	649,411	2,110,556	1,467,145	4,646
Morris.....	10	24	17,332	1,417	8,546	63,207	54,661	195
Motley.....	3	1	982	427	2,202	6,110	3,908	4
Nacogdoches.....	36	800	636,197	80,413	614,229	1,988,156	1,373,927	2,730
Navarro.....	53	685	719,641	354,539	5,533,915	8,754,721	3,229,806	3,588
Newton.....	14	1,198	1,358,070	49,625	910,158	3,197,464	2,287,306	3,083
Nolan.....	18	86	111,945	10,608	243,205	448,515	205,310	743
Nueces.....	24	97	95,116	15,978	382,072	686,044	303,072	602
Orange.....	32	4,130	4,819,901	163,111	8,994,888	17,154,779	8,159,801	15,324
Palo Pinto.....	25	203	316,884	11,928	703,728	1,596,124	892,396	1,501
Panola.....	23	120	103,782	4,771	523,229	523,229	229,076	2,963
Parker.....	22	169	164,945	55,584	1,190,834	1,724,078	534,144	1,609
Pecos.....	5	14	9,620	2,119	16,806	42,216	25,410	87
Polk.....	13	1,345	1,262,826	136,588	1,066,221	3,531,521	2,471,300	6,329
Potter.....	42	496	673,075	47,858	808,161	1,896,601	1,088,440	1,612
Presidio.....	7	50	30,481	2,183	163,108	268,573	105,405	327
Red River.....	28	125	130,924	14,605	864,424	1,203,328	338,004	1,452
Reeves.....	9	62	88,177	3,285	70,649	186,615	115,966	286
Robertson.....	19	179	159,827	11,456	991,269	1,440,515	449,246	1,975
Rockwell.....	9	12	14,028	2,597	95,132	141,898	46,766	129
Runnels.....	12	53	43,118	5,752	809,236	966,572	157,336	892
Rusk.....	26	125	112,977	6,817	524,963	784,857	259,804	1,151
Sabine.....	18	1,024	977,432	129,306	819,063	2,740,770	1,921,707	3,797
San Augustine.....	9	214	186,861	13,298	211,294	670,707	459,413	542
San Patricio.....	11	67	74,224	7,390	1,076,451	1,171,450	94,999	1,018
San Saba.....	6	14	12,870	2,206	23,560	64,037	40,477	75
Scurry.....	3	3	2,500	590	6,107	13,900	7,793	12
Smith.....	63	832	963,540	30,367	1,456,690	3,045,661	1,588,971	2,917
Starr.....	6	8	4,360	226	10,040	18,060	8,020	8
Tarrant.....	257	9,196	10,563,216	1,747,893	121,592,805	155,290,159	33,709,354	28,974
Throckmorton.....	4	7	7,200	460	59,416	81,808	22,392	47
Travis.....	102	835	782,992	86,292	3,121,027	5,437,022	2,316,395	3,604
Trinity.....	17	980	1,088,885	70,782	819,486	2,974,735	2,155,249	4,475
Upshur.....	28	110	74,561	3,702	327,078	518,399	191,321	861
Uvalde.....	13	58	46,012	3,628	74,392	154,832	80,440	968
Val Verde.....	6	93	119,069	2,165	118,046	271,260	153,214	183
Van Zandt.....	19	275	303,537	15,434	728,523	1,249,871	521,348	1,767
Victoria.....	27	161	135,688	13,665	701,658	1,029,582	327,924	716
Walker.....	11	271	249,406	42,909	257,114	681,532	424,418	1,623
Waller.....	10	96	89,069	1,129	228,761	416,156	187,305	442
Washington.....	24	229	193,206	30,854	1,669,999	2,200,899	590,870	2,226
Webb.....	30	303	237,793	16,035	266,845	704,877	438,032	581
Wharton.....	29	107	85,057	13,397	1,496,505	1,752,383	255,873	1,618
Wheeler.....	5	14	11,024	1,712	148,144	190,507	42,363	193
Wichita.....	96	1,375	1,998,793	294,846	15,114,164	22,132,363	7,018,199	4,765
Wilbarger.....	14	92	109,715	24,641	1,678,757	2,027,228	353,471	1,187
Williamson.....	46	378	417,397	25,460	1,962,218	2,888,196	925,978	2,742
Wilson.....	13	176	149,018	4,273	383,075	673,917	290,842	887
Wise.....	23	114	142,207	18,330	339,163	633,044	293,881	1,265
Wood.....	25	108	97,690	5,574	561,049	842,638	281,589	418
Zavalla.....	4	2	1,160	605	4,894	9,557	4,663	48
All other counties ¹	571	17,283	22,882,164	2,130,150	192,954,020	254,676,928	61,722,908	67,353

¹ All other counties comprise: Andrews, Aransas, Archer, Atascosa, Bailey, Bandera, Baylor, Blanco, Borden, Brisco, Brooks, Burleson, Callahan, Carson, Castro, Childress, Cochran, Coke, Concho, Cottle, Crane, Dickens, Duval, Ector, Edwards, Fisher, Foard, Fort Bend, Freestone, Frio, Gaines, Galveston, Garza, Glasscock, Hall, Hansford, Hartley, Haskell, Hemphill, Hockley, Hood, Howard, Hudspeth, Hutchinson, Irion, Jeff Davis, Jefferson, Jim Hogg, Jim Wells, Karnes, Kent, King, Knox, Lamb, Lipscomb, Live Oak, Loving, Lynn, McMullen, Martin, Menard, Moore, Ochiltree, Oldham, Parmer, Rains, Randall, Reagan, Real, Refugio, Roberts, San Jacinto, Schleicher, Shackelford, Shelby, Sherman, Somervell, Stephens, Sterling, Stonewall, Sutton, Swisher, Taylor, Terrell, Terry, Titus, Tom Green, Tyler, Upton, Ward, Willacy, Winkler, Yoakum, Young and Zapata.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	5,724	107,522	100.0	\$999,996	100.0	\$298,825	100.0	Boxes, wooden packing, except cigar boxes.....	19	1,101	1.0	3,428	0.3	1,838	0.6
Petroleum, refining.....	89	8,224	7.7	241,757	24.2	48,879	16.4	Turpentine and rosin.....	10	1,018	0.9	3,301	0.3	2,783	0.9
Slaughtering and meat packing.....	19	5,072	4.7	125,192	12.5	18,440	6.2	Structural ironwork, not made in steel works or rolling mills.....	14	460	0.4	3,246	0.3	1,146	0.4
Oil and cake, cottonseed.....	206	4,472	4.2	102,112	10.2	14,979	5.0	Mattresses and spring beds, not elsewhere specified.....	86	431	0.4	2,910	0.3	1,154	0.4
Flour-mill and gristmill products.....	222	1,567	1.5	73,064	7.3	9,665	3.2	Copperage.....	9	276	0.3	2,205	0.2	482	0.2
Lumber and timber products.....	457	17,359	16.1	47,834	4.8	32,194	10.8	Marble and stone work.....	126	459	0.4	2,159	0.2	1,278	0.4
Cars and general shop construction and repairs by steam-railroad companies.....	85	16,703	16.1	41,487	4.2	27,217	9.1	Liquors, malt.....	6	288	0.3	2,143	0.2	1,063	0.4
Foundry and machine-shop products.....	181	3,855	3.6	20,524	2.1	10,527	3.5	Peanuts, grading, roasting, cleaning, and shelling.....	9	179	0.2	2,055	0.2	350	0.1
Bread and other bakery products.....	610	2,752	2.6	20,154	2.0	7,454	2.5	Automobile bodies and parts.....	72	480	0.5	1,881	0.2	1,123	0.4
Printing and publishing, newspapers and periodicals.....	765	3,127	2.9	19,990	2.0	13,877	4.7	Tobacco, cigars.....	42	1,156	1.1	1,979	0.2	360	0.3
Shipbuilding, wooden, including boat building.....	21	6,068	5.7	19,246	1.9	10,023	3.7	Fertilizers.....	9	190	0.2	1,593	0.2	492	0.2
Rice, cleaning and polishing.....	14	423	0.4	17,901	1.8	4,091	1.4	Coffins, burial cases, and undertakers' goods.....	5	294	0.3	1,470	0.1	748	0.3
Food preparations, not elsewhere specified.....	58	635	0.6	17,389	1.7	2,811	0.9	Brass and bronze products.....	7	122	0.1	1,467	0.1	450	0.2
Cotton goods.....	15	2,633	2.4	13,920	1.4	4,605	1.5	Patent medicines and compounds.....	52	177	0.2	1,455	0.1	808	0.3
Confectionery and ice cream.....	193	1,950	1.8	13,309	1.3	5,081	1.7	Chemicals.....	9	150	0.1	1,304	0.1	822	0.3
Printing and publishing, book and job.....	308	2,258	2.1	12,234	1.2	7,419	2.5	Awnings, tents, and sails.....	13	128	0.1	1,308	0.1	369	0.1
Ice, manufactured.....	265	2,362	2.2	9,811	1.0	6,666	2.2	Pickles, preserves, and sauces.....	18	234	0.2	1,297	0.1	568	0.2
Lumber, planing-mill products, not including planing mills connected with sawmills.....	130	1,779	1.7	9,792	1.0	4,503	1.5	Brooms, from broom corn.....	45	225	0.2	1,247	0.1	514	0.2
Bags, other than paper, not including bags made in textile mills.....	6	372	0.4	7,910	0.8	883	0.3	Wall plaster and composition flooring.....	3	248	0.2	1,098	0.1	801	0.3
Coffee, roasting and grinding.....	41	258	0.2	7,851	0.8	1,850	0.6	Paints.....	8	52	(1)	1,019	0.1	504	0.2
Saddlery and harness.....	68	919	0.9	7,818	0.8	2,588	0.9	Salt.....	3	277	0.3	1,016	0.1	536	0.2
Butter.....	31	200	0.2	7,161	0.7	1,195	0.4	Cars and general shop construction and repairs by electric-railroad companies.....	18	567	0.5	925	0.1	547	0.2
Clothing, men's.....	32	1,606	1.5	6,668	0.7	2,853	1.0	Lime.....	7	225	0.2	798	0.1	475	0.2
Mineral and soda waters.....	258	880	0.8	6,360	0.6	3,024	1.0	Vinegar.....	7	64	0.1	782	0.1	398	0.1
Wood preserving.....	7	754	0.7	6,265	0.6	1,574	0.5	Druggists' preparations.....	9	109	0.1	771	0.1	590	0.2
Automobile repairing.....	334	1,254	1.2	5,302	0.5	3,116	1.0	Clothing, women's.....	10	192	0.2	703	0.1	288	0.1
Cement.....	5	641	0.6	4,743	0.5	3,100	1.0	Oil, not elsewhere specified.....	4	171	0.2	652	0.1	115	(1)
Furniture.....	22	710	0.7	4,394	0.4	2,115	0.7	Optical goods.....	18	105	0.1	649	0.1	463	0.2
Copper, tin, and sheet-iron work.....	215	740	0.7	4,207	0.4	1,976	0.7	Canning and preserving, fruits and vegetables.....	9	120	0.1	617	0.1	226	0.1
Brick and tile, terra-cotta, and fire-clay products.....	58	1,663	1.6	4,167	0.4	2,833	0.9	Artificial stone products.....	23	340	0.3	573	0.1	357	0.1
Gas, illuminating and heating.....	25	643	0.6	3,614	0.4	2,027	0.7	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	6	57	0.1	568	0.1	376	0.1
								Trunks and valises.....	12	125	0.1	503	0.1	268	0.1
								All other industries.....	352	5,624	5.2	70,949	7.1	17,583	5.9

¹ Less than one-tenth of 1 per cent.² Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are 7 having products in excess of some for which figures are shown in the table. These industries are as follows: "Automobiles"; "smelting and refining, copper"; "sugar, refining, not including beet sugar"; "cordials and flavoring sirups"; "worsted goods"; "waste"; and "tools, not elsewhere specified".

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.		CLASS.	Census year.	Total.	Male.	Female.	PER CENT OF TOTAL.	
					Male.	Female.						Male.	Female.
All classes.....	1919	130,911	118,621	12,290	90.6	9.4	Clerks and other subordinate salaried employees.....	1919	11,892	9,204	2,688	77.4	22.6
	1914	91,114	85,700	5,414	94.1	5.9		1914	7,721	6,794	927	88.0	12.0
	1909	84,575	79,090	4,879	94.2	5.8		1909	6,434	5,808	626	90.3	9.7
Proprietors and officials.....	1919	11,497	11,193	304	97.4	2.6	Wage earners (average number).....	1919	107,522	98,224	9,298	91.4	8.6
	1914	8,540	8,359	181	97.9	2.1		1914	74,853	70,547	4,306	94.2	5.8
	1909	7,911	7,763	148	98.1	1.9		1909	70,230	66,125	4,105	94.2	5.8
Proprietors and firm members.....	1919	5,393	5,194	199	96.3	3.7	16 years of age and over.....	1919	107,023	97,753	9,270	91.3	8.7
	1914	4,787	4,638	149	96.9	3.1		1914	74,315	70,076	4,239	94.3	5.7
	1909	4,496	4,373	123	97.3	2.7		1909	68,974	65,092	3,882	94.4	5.6
Salaried officers of corporations.....	1919	1,705	1,664	41	97.6	2.4	Under 16 years of age.....	1919	499	471	28	94.4	5.6
	1914	1,124	1,109	15	98.7	1.3		1914	538	471	67	87.5	12.5
	1909	940	929	11	98.8	1.2		1909	1,256	1,033	223	82.2	17.8
Superintendents and managers.....	1919	4,369	4,335	34	98.5	1.5							
	1914	2,629	2,612	17	99.4	0.6							
	1909	2,475	2,461	14	99.4	0.6							

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	107,522	90.9	8.6	0.5	Gas, illuminating.....	1919	643	99.7	0.2	0.2
	1914	74,853	93.6	5.7	0.7		1914	613	99.7	0.2	0.2
	1909	70,230	92.7	5.5	1.8						
Automobile repairing.....	1919	1,254	98.6	0.5	0.9	Ice, manufactured.....	1919	2,362	99.3	0.3	0.4
	1914	88	97.7	2.3	.....		1914	1,926	98.3	.....	1.7
Boxes, wooden packing, except cigar boxes..	1919	1,101	89.8	9.7	0.5	Lumber and timber products.....	1919	17,359	99.8	0.1	0.1
	1914	765	91.4	8.1	0.5		1914	17,783	99.8	.....	0.2
Bread and other bakery products.....	1919	2,752	74.8	24.1	1.1	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	1,779	99.5	0.2	0.3
	1914	1,949	80.7	17.0	2.3		1914	1,358	99.8	.....	0.2
Brick and tile, terra-cotta, and fire-clay products.	1919	1,063	99.5	0.4	0.1	Mineral and soda waters.....	1919	880	91.6	3.5	4.9
	1914	1,765	99.0	.....	1.0		1914	545	93.0	1.3	5.7
Cars and general shop construction and re- pairs by electric-railroad companies.	1919	567	99.8	0.2	.....	Oil and cake, cottonseed.....	1919	4,472	98.1	0.9	1.0
	1914	583	100.0	.....	.....		1914	4,471	99.8	0.2	.....
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	16,703	99.9	(¹)	(¹)	Petroleum, refining *.....	1919	8,224	96.8	3.2	.....
	1914	10,915	99.9	(¹)	(¹)		1914	2,258	74.4	24.4	1.2
Cement.....	1919	641	100.0	.....	.....	Printing and publishing, book and job.....	1914	1,805	80.6	17.2	2.2
	1914	583	100.0	.....	.....				
Clothing, men's.....	1919	1,606	14.9	85.1	.....	Printing and publishing, newspapers and periodicals.	1919	3,127	84.8	10.6	4.6
	1914	1,062	7.0	93.0	.....		1914	2,830	87.8	7.7	4.5
Confectionery and ice cream.....	1919	1,950	63.9	35.1	1.0	Saddlery and harness.....	1919	919	92.9	7.1	.....
	1914	908	63.3	36.1	0.6		1914	567	97.2	2.5	0.4
Copper, tin, and sheet-iron work.....	1919	740	97.3	0.8	1.9	Shipbuilding, wooden, including boat build- ing.	1919	6,068	99.5	0.3	0.2
	1914	728	98.4	.....	1.6		1914	108	98.8	.....	1.2
Cotton goods.....	1919	2,633	62.1	37.4	0.5	Slaughtering and meat packing.....	1919	5,072	89.0	11.0	.....
	1914	1,875	64.3	32.4	3.3		1914	3,486	91.0	7.0	0.2
Flour-mill and gristmill products.....	1919	1,567	99.7	0.2	0.1	Tobacco, cigars.....	1919	1,156	13.2	86.8	.....
	1914	1,300	99.9	0.1	.....		1914	344	56.4	43.0	0.6
Food preparations, not elsewhere specified..	1919	635	72.8	27.1	0.2	Turpentine and rosin.....	1919	1,018	97.7	.....	2.3
	1914	317	73.0	26.8	0.3		1914	809	96.8	.....	3.2
Foundry and machine-shop products *.....	1919	3,940	98.7	0.5	0.8	Wood preserving.....	1919	754	98.0	1.9	0.1
	1914	2,681	99.3	0.3	0.4		1914	350	100.0	.....	.....
Furniture.....	1919	710	93.4	6.6	.....	All other industries.....	1919	12,969	82.1	17.5	0.3
	1914	577	97.2	2.4	0.3		1914	11,642	92.4	7.1	0.5

¹ Less than one-tenth of 1 per cent.² Includes "iron and steel, welding."³ Not shown separately in 1914.TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.¹

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years.					
				Male.			Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Abilene.....	130	107		95	94		26	13		9			\$765,834	\$311,346	
Amarillo.....	406	311		449	297		45	14		2			1,896,601	986,087	
Austin.....	745	891	754	649	830	683	93	57	68	3	4	5	4,996,021	3,370,974	\$2,845,500
Beaumont.....	1,585	1,073	863	1,533	1,053	832	51	12	20	1	8	11	14,921,682	5,191,055	4,830,591
Brownsville.....	119	76	51	114	71	47	3	1	4	2	4		504,754	167,130	120,746
Cleburne.....	1,127	886	825	1,006	855	820	107	30	1	14	1	4	3,334,989	2,246,263	1,576,572
Corpus Christi.....	94			83			3			8			647,049		
Corsicana.....	599			512			85			2			8,001,243		
Dallas.....	7,913	5,284	4,882	5,026	4,251	3,889	1,914	981	870	73	52	123	93,649,654	31,065,073	26,958,664
Del Rio.....	93			91			1			1			271,260		
Denison.....	1,084	954	833	1,055	908	795	29	36	37		10	1	6,077,916	2,068,788	1,313,785
El Paso.....	3,912	2,347	1,752	3,619	2,255	1,556	258	83	143	35	9	53	16,649,982	6,135,214	3,637,577
Fort Worth.....	4,452	2,308	2,059	3,666	1,945	1,672	723	349	361	63	14	26	38,160,092	9,973,882	8,660,882
Galveston.....	1,416	1,410	1,094	1,233	1,264	940	182	133	124	1	13	30	14,979,034	8,691,969	6,308,070
Greenville.....	163			158			5						4,152,399		
Houston.....	9,860	5,607	5,338	8,781	5,168	4,826	1,051	418	450	28	21	62	86,874,480	25,868,010	23,015,556
Laredo.....	303	270	213	260	270	202	40			8	3		704,877	344,811	221,074
Marshall.....	1,670	1,166	977	1,651	1,159	958	15	6	7	4	1	12	6,904,078	2,099,355	1,787,146
Palestine.....	1,084	648	745	1,076	635	737	2	6	7	6	7	1	2,809,713	1,222,160	1,312,845
Paris.....	939	513	541	806	443	478	122	68	53	11	2	10	6,079,514	2,283,875	1,420,943
Ranger.....	170			160						6					
San Angelo.....	144	161	115	130	153	112	4		6	3			1,357,517		
San Antonio.....	6,614	4,083	3,105	4,959	3,628	2,602	1,645	541	481	10	14	22	35,455,578	17,849,240	13,434,897
Sherman.....	871	389	273	633	327	232	235	55	39	3	7	2	19,175,558	7,027,747	4,675,071
Temple.....	412	342	366	378	318	333	33	24	26	1		7	2,839,366	1,451,925	1,345,770
Texarkana.....	802	955		752	921		47	20		3	14		4,474,319	1,994,009	
Tyler.....	732	506	494	670	434	442	61	62	40	1	10	2	2,615,694	896,549	996,243
Waco.....	1,362	1,125	1,033	1,156	977	826	201	138	143	5	10	64	13,085,252	5,611,737	4,769,358
Wichita Falls.....	932	377		893	361		37	3		2	13		16,832,429	2,572,785	

¹ Excludes Fort Arthur to avoid disclosure of individual operations.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	104,867	76,993	68,563	91.7	100.0	90.6	July.....	107,288	75,779	69,153	93.8	98.4	91.4
February.....	103,446	75,559	66,485	90.4	98.1	87.9	August.....	110,155	76,587	69,192	96.3	99.5	91.5
March.....	102,837	74,217	68,082	89.9	96.4	90.0	September.....	111,299	76,983	73,196	97.3	100.0	96.8
April.....	<i>101,390</i>	73,261	67,772	88.6	95.2	89.6	October.....	112,746	75,588	75,291	98.5	98.2	99.5
May.....	104,578	<i>72,819</i>	66,079	91.4	93.8	87.4	November.....	113,218	73,654	75,648	99.0	95.7	100.0
June.....	104,024	73,078	65,037	90.9	94.9	89.9	December.....	114,416	74,318	75,258	100.0	96.5	99.5

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	107,522	104,867	103,446	102,837	<i>101,390</i>	104,578	104,024	107,288	110,155	111,299	112,746	113,218	114,416	88.6
Males.....	98,224	95,390	94,731	94,245	<i>92,853</i>	95,760	94,977	98,351	100,687	101,696	102,849	103,066	104,083	89.2
Females.....	9,298	9,477	8,715	8,592	<i>8,537</i>	8,818	9,047	8,937	9,468	9,603	9,897	10,152	10,333	82.6
Automobile repairing.....	1,254	<i>1,139</i>	1,146	1,155	1,189	1,222	1,263	1,284	1,307	1,337	1,340	1,339	1,333	84.6
Boxes, wooden packing, except cigar boxes.....	1,101	<i>996</i>	1,017	1,072	1,123	1,185	1,158	1,072	1,189	1,104	1,096	1,127	1,074	83.7
Bread and other bakery products.....	2,752	2,645	<i>2,581</i>	2,540	2,558	2,605	2,684	2,649	2,613	2,586	2,562	2,591	2,110	81.1
Brick and tile, terra-cotta, and fire-clay products.....	1,063	<i>1,079</i>	1,197	1,354	1,627	1,795	1,831	1,880	2,059	1,847	1,747	1,794	1,746	82.4
Cars and general shop construction and repairs by electric-railroad companies.....	567	576	555	<i>550</i>	591	592	559	557	508	572	573	573	598	92.0
Cars and general shop construction and repairs by steam-railroad companies.....	16,703	<i>15,899</i>	16,092	16,151	16,568	16,440	16,359	16,719	16,900	17,053	17,312	17,351	17,622	90.1
Cement.....	641	<i>607</i>	<i>562</i>	619	676	616	600	638	649	676	677	688	684	81.7
Clothing, men's.....	1,006	1,033	1,050	<i>1,452</i>	1,488	1,512	1,536	1,598	1,642	1,660	1,703	1,743	1,754	82.7
Confectionery and ice cream.....	1,950	<i>1,746</i>	1,766	1,880	1,924	1,929	1,984	1,955	2,068	2,182	2,078	2,033	1,875	80.8
Copper, tin and sheet-iron work.....	749	<i>658</i>	658	664	700	735	733	760	782	788	793	808	777	80.7
Cotton goods.....	2,633	2,812	2,673	2,620	2,694	2,613	2,605	2,618	2,685	2,669	2,553	2,576	2,620	90.3
Flour-mill and gristmill products.....	1,507	<i>1,489</i>	1,473	1,428	1,418	1,438	1,524	1,573	1,677	1,703	1,711	1,709	1,791	77.8
Food preparations, not elsewhere specified.....	635	<i>594</i>	607	609	628	661	676	645	634	608	597	568	593	85.7
Foundry and machine-shop products.....	3,855	<i>3,637</i>	3,693	3,763	3,748	3,742	3,772	3,830	3,856	4,003	4,133	4,203	4,293	84.7
Furniture.....	710	<i>663</i>	724	715	699	650	706	722	754	703	696	724	731	87.9
Gas, illuminating and heating.....	643	<i>640</i>	637	621	633	603	637	625	608	602	685	681	693	89.1
Ice, manufactured.....	2,362	<i>1,627</i>	1,556	1,708	2,155	2,553	2,935	3,256	3,365	3,034	2,457	2,001	1,797	40.2
Lumber and timber products.....	17,359	<i>16,586</i>	15,344	15,915	15,585	16,626	16,428	17,947	18,557	18,511	18,970	19,106	20,923	76.3
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,779	<i>1,562</i>	<i>1,584</i>	1,584	1,637	1,688	1,765	1,833	1,903	2,009	2,030	1,903	1,910	75.1
Mineral and soda waters.....	880	<i>667</i>	690	633	779	878	1,120	1,152	1,194	1,128	929	799	761	47.5
Oil and cake, cottonseed.....	4,472	<i>5,070</i>	4,983	4,182	3,007	2,577	<i>2,224</i>	2,404	3,108	5,480	6,846	6,897	6,346	32.8
Petroleum, refining.....	8,224	<i>6,724</i>	7,328	7,048	7,553	8,100	7,867	8,511	8,870	8,854	8,940	9,018	9,280	72.5
Printing and publishing, book and job.....	2,258	<i>2,129</i>	2,159	2,187	2,194	2,199	2,199	2,274	2,306	2,264	2,434	2,380	2,391	87.5
Printing and publishing, newspapers and periodicals.....	3,127	<i>2,983</i>	3,004	2,995	3,002	3,016	3,107	3,160	3,201	3,138	3,258	3,356	3,295	88.9
Saddlery and harness.....	919	<i>878</i>	908	923	894	935	913	899	934	930	940	943	936	92.6
Shipbuilding, wooden, including boat building.....	6,068	<i>6,238</i>	6,549	8,473	6,568	6,424	5,944	5,482	5,075	4,473	3,838	3,965	3,687	38.2
Slaughtering and meat packing.....	5,072	<i>6,446</i>	4,825	4,400	4,531	4,404	4,867	5,321	5,424	4,964	4,760	4,918	5,186	67.1
Tobacco, cigars.....	1,156	<i>949</i>	1,013	1,050	1,046	1,099	1,090	1,103	1,104	1,133	1,277	1,436	1,542	61.5
Turpentine and rosin.....	1,018	<i>1,263</i>	1,232	1,269	1,230	1,244	1,252	785	775	775	775	775	775	60.4
Wood preserving.....	754	<i>670</i>	692	660	591	618	660	747	827	834	925	944	1,040	63.8
All other industries.....	18,054	<i>12,112</i>	<i>11,835</i>	11,993	12,464	13,279	13,139	13,301	13,363	13,480	13,838	13,807	14,039	84.3
Industries showing large proportion of females.														
Bread and other bakery products.....	668	660	<i>568</i>	624	608	604	668	583	668	685	740	751	839	67.7
Clothing, men's.....	1,367	1,319	1,253	<i>1,208</i>	1,223	1,235	1,271	1,402	1,439	1,462	1,494	1,531	1,537	78.6
Confectionery and ice cream.....	686	<i>674</i>	681	708	654	605	613	676	679	760	758	807	717	71.4
Cotton goods.....	997	1,049	1,019	998	990	994	1,001	974	1,018	1,021	989	978	983	80.5
Petroleum, refining.....	284	<i>230</i>	240	233	242	244	275	298	310	305	273	277	241	74.2
Printing and publishing, book and job.....	555	520	525	517	<i>612</i>	525	535	574	586	572	637	681	576	80.4
Printing and publishing, newspapers and periodicals.....	337	320	<i>311</i>	311	322	326	330	345	344	349	350	373	363	83.4
Slaughtering and meat packing.....	553	1,230	483	401	<i>400</i>	443	434	474	547	475	566	574	669	32.5
Tobacco, cigars.....	1,008	807	858	900	890	948	947	964	969	988	1,120	1,286	1,360	59.3
Total for cities.....	40,823	<i>47,781</i>	47,791	47,913	48,172	48,702	49,004	49,392	50,427	51,327	52,021	52,479	52,867	90.4
Males.....	42,794	<i>41,185</i>	41,144	41,387	41,645	42,042	42,133	42,623	43,370	44,069	44,432	44,600	44,893	91.6
Females.....	7,029	<i>6,596</i>	6,647	6,526	6,527	6,660	6,871	6,769	7,057	7,258	7,589	7,879	7,974	81.8
ABILENE.....	130	126	125	118	120	131	138	135	138	136	137	131	129	86.2
Males.....	104	98	99	96	96	105	104	109	111	109	108	105	107	86.5
Females.....	26	28	26	23	24	25	29	26	27	27	29	26	22	75.9
AMARILLO.....	496	<i>442</i>	469	474	479	481	496	495	525	516	515	525	535	82.6
Males.....	450	<i>398</i>	424	427	435	445	462	462	479	473	464	461	470	83.1
Females.....	46	44	45	47	44	36	34	33	46	43	51	64	65	80.8
AUSTIN.....	745	732	<i>687</i>	716	688	693	705	737	751	827	859	775	770	80.0
Males.....	652	641	<i>602</i>	641	615	613	611	638	650	728	754	671	660	79.8
Females.....	83	91	85	75	73	80	94	99	101	99	105	104	110	65.4
BEAUMONT.....	1,585	1,612	1,762	1,622	1,533	1,489	1,477	1,528	1,507	<i>1,372</i>	1,555	1,663	1,700	75.7
Males.....	1,534	1,575	1,711	1,575	1,471	1,437	1,425	1,489	1,471	<i>1,332</i>	1,510	1,595	1,635	75.8
Females.....	51	37	51	47	62	52	52	39	36	40	45	68	65	62.9

¹ Excludes Port Arthur to avoid disclosure of individual operations.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

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

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
BROWNSVILLE.....	119	<i>108</i>	<i>102</i>	107	116	116	119	123	137	138	138	115	115	73.9
Males.....	116	<i>99</i>	<i>99</i>	104	113	113	116	120	134	135	135	112	112	73.3
Females.....	3	3	3	3	3	3	3	3	3	3	3	3	3	.....
CLEBURNE.....	1,127	1,022	1,028	<i>1,001</i>	1,028	1,136	1,082	1,150	1,218	1,198	1,246	1,182	1,233	74.4
Males.....	1,020	915	921	<i>894</i>	921	1,029	975	1,043	1,111	1,091	1,139	1,075	1,126	78.5
Females.....	107	107	107	107	107	107	107	107	107	107	107	107	107	.....
CORPUS CHRISTI.....	94	104	72	71	83	84	92	93	97	119	118	113	82	59.7
Males.....	91	101	69	68	80	81	89	90	94	116	115	110	79	58.6
Females.....	3	3	3	3	3	3	3	3	3	3	3	3	3	.....
CORSICANA.....	599	614	545	<i>519</i>	566	558	577	576	630	692	688	636	597	75.0
Males.....	514	439	457	<i>488</i>	488	482	496	492	540	608	602	553	513	72.0
Females.....	85	105	88	81	78	76	81	84	90	84	86	83	84	72.4
DALLAS.....	7,913	<i>7,379</i>	7,670	7,747	7,760	7,862	7,703	7,768	8,040	8,127	8,156	8,316	8,332	88.6
Males.....	5,999	<i>5,502</i>	5,711	5,876	5,880	6,008	5,903	5,999	6,132	6,150	6,227	6,314	6,286	87.1
Females.....	1,914	<i>1,877</i>	1,959	1,871	1,880	1,854	1,800	1,769	1,908	1,977	1,929	2,002	2,046	86.5
DEL RIO.....	93	97	89	91	95	91	94	89	92	89	91	96	102	87.3
Males.....	92	96	88	90	94	90	93	88	91	88	90	95	101	87.1
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	.....
DENISON.....	1,084	1,077	<i>1,029</i>	1,030	1,050	1,064	1,087	1,107	1,098	1,090	1,082	1,166	1,128	88.3
Males.....	1,055	1,048	<i>997</i>	1,013	1,008	1,043	1,060	1,098	1,088	1,075	1,054	1,109	1,067	89.9
Females.....	29	29	32	17	42	21	27	9	10	15	28	57	61	14.8
EL PASO.....	3,912	<i>3,429</i>	3,600	3,625	3,721	3,986	3,831	3,862	3,883	4,067	4,166	4,352	4,422	77.6
Males.....	3,652	<i>3,203</i>	3,359	3,392	3,488	3,745	3,602	3,638	3,654	3,810	3,875	3,999	4,004	78.8
Females.....	260	226	241	233	233	241	229	224	229	257	291	353	358	62.6
FORT WORTH.....	4,452	4,306	4,187	<i>4,108</i>	4,237	4,286	4,358	4,384	4,552	4,650	4,746	4,817	4,724	86.5
Males.....	3,720	3,598	<i>3,506</i>	3,617	3,566	3,655	3,730	3,672	3,761	3,873	3,926	3,988	3,950	87.9
Females.....	732	708	681	651	671	631	628	712	791	776	820	829	773	76.8
GALVESTON.....	1,416	1,311	1,302	<i>1,284</i>	1,285	1,297	1,302	1,406	1,422	1,426	1,594	1,504	1,859	69.1
Males.....	1,234	1,134	1,128	<i>1,131</i>	1,126	1,130	1,111	1,196	1,242	1,244	1,401	1,302	1,663	66.8
Females.....	182	177	174	153	159	167	191	210	180	182	193	202	190	72.9
GREENVILLE.....	163	185	183	129	129	119	128	145	150	157	209	201	221	53.8
Males.....	158	182	180	126	126	116	125	142	147	164	198	190	210	55.2
Females.....	5	3	3	3	3	3	3	3	3	3	11	11	11	27.5
HOUSTON.....	9,860	9,944	9,844	10,171	9,834	9,992	9,973	<i>9,681</i>	9,660	9,831	9,854	9,781	9,805	94.7
Males.....	8,804	8,923	8,885	9,219	8,885	8,941	8,846	<i>8,610</i>	8,619	8,720	8,660	8,685	8,655	93.4
Females.....	1,056	1,021	959	<i>952</i>	949	1,051	1,127	1,071	1,041	1,111	1,194	1,096	1,150	79.6
LAREDO.....	303	282	<i>276</i>	290	317	313	311	309	312	316	315	297	298	87.1
Males.....	263	237	<i>231</i>	242	270	271	271	272	273	278	272	269	270	83.1
Females.....	40	45	45	48	47	42	40	37	39	38	43	28	28	58.3
MARSHALL.....	1,670	1,628	1,640	1,672	1,917	1,643	1,729	1,747	1,666	1,637	1,601	1,587	<i>1,573</i>	82.1
Males.....	1,655	1,618	1,635	1,657	1,897	1,623	1,709	1,728	1,647	1,621	1,589	1,575	<i>1,561</i>	82.3
Females.....	15	10	5	15	20	20	20	19	19	16	12	12	12	25.0
PALESTINE.....	1,084	<i>1,034</i>	1,038	1,064	1,064	1,068	1,075	1,092	1,106	1,118	1,110	1,115	1,124	92.0
Males.....	1,082	<i>1,032</i>	1,036	1,062	1,062	1,066	1,073	1,090	1,104	1,116	1,108	1,113	1,122	92.0
Females.....	2	2	2	2	2	2	2	2	2	2	2	2	2	.....
PARIS.....	939	955	924	898	874	848	878	913	944	1,051	1,020	992	962	80.7
Males.....	816	823	790	778	762	747	772	801	828	920	901	846	824	81.2
Females.....	123	132	134	120	112	101	106	112	116	131	128	146	138	69.2
RANGER.....	170	108	89	108	138	159	199	199	192	196	226	210	219	39.4
Males.....	166	108	89	106	134	150	190	193	189	193	221	205	214	40.3
Females.....	4	4	4	2	4	9	9	6	3	3	5	5	5	22.2
SAN ANGELO.....	144	142	142	139	<i>132</i>	138	143	148	154	158	149	148	135	83.5
Males.....	144	142	142	139	<i>132</i>	138	143	148	154	158	149	148	135	83.5
SAN ANTONIO.....	6,614	<i>6,083</i>	6,120	6,241	6,331	6,352	6,577	6,710	6,866	6,817	6,926	7,104	7,201	84.2
Males.....	4,960	<i>4,740</i>	4,725	4,745	4,854	4,803	4,970	5,053	5,191	5,153	5,085	5,157	5,152	91.0
Females.....	1,645	<i>1,328</i>	1,395	1,496	1,477	1,549	1,607	1,657	1,675	1,664	1,841	2,007	2,049	64.6
SHERMAN.....	871	865	837	727	<i>714</i>	823	813	850	836	1,036	979	1,026	946	68.9
Males.....	634	615	582	500	<i>528</i>	589	583	632	613	777	713	756	720	64.4
Females.....	237	250	255	227	<i>186</i>	234	230	218	223	259	266	270	226	68.9
TEMPLE.....	412	416	389	340	338	347	358	358	394	453	497	536	529	63.1
Males.....	379	384	357	303	306	315	324	324	360	419	463	502	495	61.0
Females.....	33	32	32	32	32	32	34	34	34	34	34	34	34	94.1
TEXARKANA.....	802	790	784	786	812	823	807	797	853	813	774	784	801	90.7
Males.....	755	741	728	731	765	782	765	755	807	761	728	742	755	90.2
Females.....	47	49	56	55	47	41	42	42	46	52	46	42	46	73.2
TYLER.....	732	736	735	740	731	<i>696</i>	718	736	762	706	767	717	750	91.3
Males.....	671	665	671	680	675	<i>639</i>	660	675	690	651	706	660	674	90.5
Females.....	61	71	64	60	56	57	58	61	72	55	61	57	76	67.1
WACO.....	1,362	1,266	1,318	<i>1,226</i>	1,242	1,270	1,282	1,362	1,449	1,512	1,470	1,471	1,476	81.1
Males.....	1,161	1,093	1,147	<i>1,053</i>	1,072	1,084	1,083	1,162	1,238	1,288	1,249	1,249	1,211	81.3
Females.....	201	173	171	<i>173</i>	170	186	189	200	211	224	221	229	265	64.2
WICHITA FALLS.....	932	824	<i>805</i>	808	832	837	878	945	993	1,070	1,034	1,059	1,099	73.2
Males.....	895	793	<i>775</i>	779	801	801	841	909	952	1,028	990	1,015	1,056	73.4
Females.....	37	31	30	29	31	36	37	36	41	42	44	44	43	65.9

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	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.
All industries.....	1919	107,522	3,705	958	41,736	5,453	13,336	11,154	23,514	7,666
	1914	74,853	(2)	(2)	12,374	1,684	16,633	2,765	28,679	12,718
	1909	70,230	(2)	(2)	6,575	1,856	12,945	2,981	30,583	15,290
Automobile repairing.....	1919	1,254	4	4	265	63	746	.....	147	25
	1914	88	(2)	(2)	17	.....	58	.....	13	.....
Boxes, wooden packing, except cigar boxes.....	1919	1,101	.....	.....	1	2	267	200	631	.....
	1914	765	.....	.....	.....	22	64	21	658	.....
Bread and other bakery products.....	1919	2,752	27	326	851	71	1,006	60	320	91
	1914	1,949	(2)	(2)	179	21	422	94	1,030	203
Brick and tile, terra-cotta, and fire-clay products.....	1919	1,663	8	.....	355	39	197	137	927	.....
	1914	1,765	(2)	(2)	138	27	166	40	1,394	.....
Cars and general shop construction and repairs by electric-railroad companies.....	1919	567	.....	.....	98	.....	314	31	.....	124
	1914	583	(2)	(2)	92	11	15	7	131	327
Cars and general shop construction and repairs by steam-railroad companies.....	1919	16,703	.....	.....	10,750	.....	.....	5,879	74	.....
	1914	10,915	(2)	(2)	4,727	130	3,180	.....	1,151	1,727
Cement.....	1919	641	.....	.....	.....	.....	374	.....	130	137
	1914	583	.....	.....	.....	.....	.....	.....	141	442
Clothing, men's.....	1919	1,606	921	278	251	57	99	.....	.....	.....
	1914	1,062	(2)	(2)	788	28	131	.....	115	.....
Confectionery and ice cream ¹	1919	1,950	5	.....	183	144	830	22	218	548
	1914	980	(2)	(2)	26	116	224	237	248	129
Copper, tin and sheet-iron work.....	1919	740	211	.....	366	22	115	.....	26	.....
	1914	728	(2)	(2)	407	23	159	10	68	1
Cotton goods.....	1919	2,633	.....	.....	.....	.....	228	1,287	1,118	.....
	1914	1,876	.....	.....	.....	.....	170	.....	1,338	397
Flour-mill and gristmill products.....	1919	1,567	2	.....	674	4	162	25	347	353
	1914	1,300	.....	.....	22	1	103	94	475	606
Food preparations, not elsewhere specified.....	1919	635	16	.....	80	20	235	51	233	.....
	1914	317	(2)	(2)	21	17	65	.....	214	.....
Foundry and machine-shop products ¹	1919	3,940	139	42	1,719	420	1,125	70	425	.....
	1914	2,681	(2)	(2)	39	316	1,936	139	237	14
Furniture.....	1919	710	60	.....	230	.....	359	.....	61	.....
	1914	577	(2)	(2)	157	.....	252	.....	168	.....
Gas, illuminating and heating.....	1919	643	.....	.....	252	28	.....	38	35	290
	1914	613	(2)	(2)	6	.....	141	7	89	370
Ice, manufactured.....	1919	2,362	17	.....	359	10	243	343	201	1,189
	1914	1,926	(2)	(2)	12	.....	39	75	167	1,633
Lumber and timber products.....	1919	17,359	317	51	38	263	297	1,108	15,244	41
	1914	17,783	(2)	(2)	83	280	29	312	15,844	1,235
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,779	52	.....	612	172	662	6	257	18
	1914	1,358	(2)	(2)	287	96	846	6	120	3
Mineral and soda waters.....	1919	880	12	.....	278	3	161	59	234	83
	1914	545	(2)	(2)	61	12	135	8	314	15
Oil and cake, cottonseed.....	1919	4,472	8	.....	164	.....	219	.....	478	3,603
	1914	4,471	.....	.....	.....	.....	18	63	341	4,049
Petroleum, refining.....	1919	8,224	.....	.....	6,388	1,289	4	396	40	107
	1914	2,909	.....	.....	.....	.....	1,960	.....	8	941
Printing and publishing, book and job.....	1919	2,258	84	26	1,904	98	83	.....	3	.....
	1914	1,805	(2)	(2)	1,445	119	205	21	14	1
Printing and publishing, newspapers and periodicals.....	1919	3,127	115	22	1,849	306	695	169	57	4
	1914	2,830	(2)	(2)	1,488	85	676	311	247	23
Saddlery and harness.....	1919	919	.....	.....	310	11	459	111	28	.....
	1914	567	(2)	(2)	5	.....	467	40	55	.....
Shipbuilding, wooden, including boat building.....	1919	6,068	717	.....	5,320	.....	22	.....	.....	.....
	1914	168	(2)	(2)	136	.....	20	.....	12	.....
Slaughtering and meat packing.....	1919	5,072	247	.....	4,422	287	45	42	29	.....
	1914	3,486	(2)	(2)	21	57	2,696	.....	712	.....
Tobacco, cigars.....	1919	1,156	5	64	159	922	4	.....	2	.....
	1914	344	(2)	(2)	110	7	226	1	.....	.....
Turpentine and rosin.....	1919	1,018	224	.....	16	.....	493	.....	285	.....
	1914	809	.....	.....	.....	.....	.....	.....	809	.....
Wood preserving.....	1919	754	.....	.....	162	.....	162	.....	319	121
	1914	350	.....	.....	.....	.....	.....	.....	350	.....
All other industries.....	1919	12,969	514	145	3,621	1,222	3,820	1,120	1,595	933
	1914	8,721	(2)	(2)	2,047	316	2,230	1,279	2,216	682

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Includes "chewing gum" for 1914.⁴ Includes "iron and steel, welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	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.
Total for cities ^a	1919 1914	49,823 31,789	2,282 (²)	855 (²)	21,222 9,809	3,494 1,396	8,963 9,304	5,557 956	3,792 5,490	3,658 4,708
ABILENE.....	1919 1914	130 107	4 (²)	(²)	47 30	5	21	13	45 30	..... 42
AMARILLO.....	1919 1914	496 311	(²)	(²)	150 35	4	60 39	270 1	3 200	..... 36
AUSTIN.....	1919 1914	745 891	10 (²)	6 (²)	349 274	.....	181 136	72 114	9 92	118 275
BEAUMONT.....	1919 1914	1,585 1,073	52 (²)	(²)	569 92	28 29	225 331	203 26	435 460	73 135
BROWNSVILLE.....	1919 1914	119 76	.....	.....	50	.....	24	59 2	10 7	..... 43
CLEBURNE.....	1919 1914	1,127 886	(²)	(²)	24 26	10 6	109 51	880 6	5 9	..... 788
CORPUS CHRISTI.....	1919	94	.....	.....	39	.....	4	8	15	28
CORSICANA.....	1919	599	.....	.....	125	.....	66	.....	342	66
DALLAS.....	1919 1914	7,913 5,284	405 (²)	264 (²)	2,611 988	1,157 643	2,377 2,146	253 62	347 1,075	499 370
DEL RIO.....	1919	93	.....	.....	5	.....	3	67	7	11
DENISON.....	1919 1914	1,084 954	(²)	(²)	941 808	.....	28 42	44	48 19	23 85
EL PASO.....	1919 1914	3,912 2,347	3 (²)	(²)	1,741 763	88 36	547 812	908 105	342 424	233 207
FORT WORTH.....	1919 1914	4,452 2,308	493 (²)	18 (²)	1,530 984	164 173	1,149 280	678 119	280 519	140 233
GALVESTON.....	1919 1914	1,416 1,410	148 (²)	8 (²)	735 544	15 42	201 315	203 142	32 132	74 235
GREENVILLE.....	1919	163	.....	.....	30	.....	6	.....	81	46
HOUSTON.....	1919 1914	9,880 5,007	653 (²)	393 (²)	4,870 1,288	576 105	1,491 2,776	285 59	571 742	1,021 577
LAREDO.....	1919 1914	303 270	(²)	(²)	181 13	5	33 9	38	46 209	..... 39
MARSHALL.....	1919 1914	1,670 1,166	(²)	(²)	1,431 889	.....	135 180	25 8	42 59	37 24
PALESTINE.....	1919 1914	1,084 648	(²)	(²)	967 561	.....	61 10	28	11 27	17 50
PARIS.....	1919 1914	939 513	(²)	(²)	308 80	4	133 72	235	163 235	100 122
RANGER.....	1919	170	4	.....	21	9	101	.....	35	.....
SAN ANGELO.....	1919 1914	144 161	33 (²)	(²)	32 73	.....	41 31	12 7	26 20	..... 24
SAN ANTONIO.....	1919 1914	6,614 4,083	90 (²)	166 (²)	2,584 1,347	1,397 223	805 1,528	809 107	308 291	455 527
SHERMAN.....	1919 1914	871 389	91 (²)	(²)	234 94	.....	140 32	161 14	164 97	81 152
TEMPLE.....	1919 1914	412 342	(²)	(²)	115 45	7	67 74	165	2 17	63 199
TEXARKANA.....	1919 1914	802 955	160 (²)	(²)	152 78	57	220 25	.....	203 490	67 302
TYLER.....	1919 1914	732 506	56 (²)	(²)	526 444	.....	60 8	.....	52 14	38 40
WACO.....	1919 1914	1,362 1,125	29 (²)	(²)	551 262	36 6	394 336	.....	158 188	194 212
WICHITA FALLS.....	1919 1914	932 377	51 (²)	(²)	304 151	5	206 41	132	10 134	224 51

¹ Includes 48 and under for 1914 and 1909.
² Corresponding figures not available.

^a Excludes Port Arthur to avoid disclosure of individual operations.

MANUFACTURES—TEXAS.

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TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	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.		Over 1,000 wage earners.	
				Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries.....	5,724	107,522	747	3,070	7,075	1,104	12,049	444	14,326	161	11,005	130	20,532	42	14,960	17	11,735	9	15,240
Automobile repairing.....	334	1,254	16	200	582	51	476	7	196	—	—	—	—	—	—	—	—	—	—
Boxes, wooden packing, except cigar boxes.....	19	1,101	—	4	6	3	23	4	147	6	440	1	200	1	280	—	—	—	—
Bread and other bakery products.....	610	2,752	92	416	866	89	828	11	342	—	—	—	—	2	716	—	—	—	—
Brick and tile, terra-cotta, and fire-clay products.....	58	1,663	—	9	28	21	266	19	614	7	502	2	253	—	—	—	—	—	—
Cars and general shop construction and repairs by electric-railroad companies.....	18	567	—	8	22	2	36	4	136	3	232	1	141	—	—	—	—	—	—
Cars and general shop construction and repairs by steam-railroad companies.....	85	10,703	—	5	14	6	78	22	770	16	1,178	18	2,799	9	3,677	7	5,152	2	3,037
Cement.....	5	641	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Clothing, men's.....	32	1,006	—	3	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Confectionery and ice cream.....	193	1,950	18	121	281	33	374	12	361	4	278	7	877	—	—	—	—	—	—
Copper, tin and sheet-iron work.....	215	740	35	144	282	31	324	5	134	—	—	—	—	—	—	—	—	—	—
Cotton goods.....	15	2,633	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Flour-mill and gristmill products.....	222	1,567	59	111	215	31	365	14	429	6	435	1	123	—	—	—	—	—	—
Food preparations, not elsewhere specified.....	58	635	8	28	56	14	180	6	196	1	94	1	109	—	—	—	—	—	—
Foundry and machine-shop products.....	181	3,855	14	77	204	50	547	21	663	8	556	10	1,616	1	269	—	—	—	—
Furniture.....	22	710	—	7	14	7	86	3	113	3	245	2	249	—	—	—	—	—	—
Gas, illuminating and heating.....	25	643	—	11	40	7	96	4	118	2	194	1	225	—	—	—	—	—	—
Ice, manufactured.....	265	2,362	3	158	472	78	916	22	738	4	236	—	—	—	—	—	—	—	—
Lumber and timber products.....	457	17,359	6	228	605	112	1,166	45	1,408	15	1,104	29	4,963	19	6,380	3	1,733	—	—
Lumber, planing-mill products, not including planing mills connected with sawmills.....	130	1,779	15	66	160	27	324	13	399	6	442	3	445	—	—	—	—	—	—
Mineral and soda waters.....	258	880	28	189	361	38	374	2	72	1	73	—	—	—	—	—	—	—	—
Oil and cake, cottonseed.....	200	4,472	—	26	94	95	1,285	66	2,079	11	707	2	307	—	—	—	—	—	—
Petroleum, refining.....	39	8,224	—	11	36	8	80	5	167	8	599	2	271	1	264	1	520	3	6,287
Printing and publishing, book and job.....	308	2,258	62	150	342	70	711	19	621	6	430	1	145	—	—	—	—	—	—
Printing and publishing, newspapers and periodicals.....	705	3,127	247	428	906	65	688	12	562	8	520	—	—	1	451	—	—	—	—
Saddlery and harness.....	68	919	12	44	79	4	41	—	60	3	247	2	225	1	267	—	—	—	—
Shipbuilding, wooden, including boat building.....	21	6,068	—	7	15	3	34	—	—	1	70	2	217	2	872	4	2,826	2	2,034
Slaughtering and meat packing.....	19	5,072	—	3	13	5	76	4	140	2	181	2	493	1	287	—	—	—	—
Tobacco, cigars.....	42	1,166	14	21	51	3	22	1	29	2	132	—	—	—	—	—	—	—	—
Turpentine and rosin.....	10	1,018	—	—	—	2	34	5	177	1	70	—	—	1	493	—	—	—	—
Wood preserving.....	7	754	—	—	—	—	—	3	132	—	—	4	622	—	—	—	—	—	—
All other industries.....	1,043	13,054	118	535	1,314	243	2,561	98	3,156	28	2,008	19	2,967	1	466	1	582	—	—
Total for cities ¹	2,067	49,823	275	1,282	3,249	644	7,035	275	8,797	109	8,015	59	9,095	13	4,447	8	6,147	2	3,036
ABILENE.....	22	130	1	16	48	4	57	1	25	—	—	—	—	—	—	—	—	—	—
AMARILLO.....	42	496	6	23	54	9	89	3	83	—	—	—	—	1	270	—	—	—	—
AUSTIN.....	91	745	29	34	82	14	146	12	381	2	136	—	—	—	—	—	—	—	—
BEAUMONT.....	69	1,585	1	27	69	20	224	13	408	3	206	5	678	—	—	—	—	—	—
BROWNSVILLE.....	18	119	1	9	24	7	68	1	27	—	—	—	—	—	—	—	—	—	—
CLEBURNE.....	33	1,127	5	20	50	5	66	1	23	1	115	—	—	—	—	1	873	—	—
CORPUS CHRISTI.....	20	94	1	13	30	5	42	1	22	—	—	—	—	—	—	—	—	—	—
CORPUS CHRISTI.....	40	599	2	26	63	6	59	3	73	1	89	2	315	—	—	—	—	—	—
DALLAS.....	467	7,913	63	200	500	116	1,305	43	1,438	17	1,232	14	2,214	4	1,224	—	—	—	—
DEL RIO.....	6	93	—	3	8	2	18	—	—	1	67	—	—	—	—	—	—	—	—
DENISON.....	42	1,094	6	24	44	7	67	3	117	—	—	—	—	2	856	—	—	—	—
EL PASO.....	208	3,912	16	113	280	48	527	18	575	9	739	1	216	1	280	2	1,295	—	—
FORT WORTH.....	229	4,452	20	100	273	65	721	27	932	9	704	6	922	1	269	1	631	—	—
GALVESTON.....	118	1,416	14	61	150	26	289	13	447	1	62	3	468	—	—	—	—	—	—
GREENVILLE.....	29	163	2	22	64	3	34	2	65	—	—	—	—	—	—	—	—	—	—
HOUSTON.....	383	9,860	35	161	385	97	1,035	48	1,464	26	1,930	13	2,104	1	323	1	875	1	1,744
LAREDO.....	30	303	3	13	40	12	180	1	24	1	79	—	—	—	—	—	—	—	—
MARSHALL.....	24	1,670	—	12	28	5	67	4	112	1	69	1	110	—	—	—	—	—	—
PALESTINE.....	17	1,084	—	7	15	6	55	3	73	—	—	—	—	—	—	1	941	—	—
PARIS.....	52	939	—	26	71	14	143	7	225	3	190	2	310	—	—	—	—	—	—
RANGER.....	17	170	1	9	29	5	50	1	32	1	59	—	—	—	—	—	—	—	—
SAN ANGELO.....	30	144	3	20	55	7	89	—	—	—	—	—	—	—	—	—	—	—	—
SAN ANTONIO.....	318	6,614	33	155	384	70	775	33	1,057	16	1,071	7	1,054	2	741	2	1,532	—	—
SHERMAN.....	53	871	4	27	72	11	118	7	243	2	168	—	—	—	—	—	—	—	—
TEMPLE.....	45	412	6	29	71	5	80	4	127	—	—	1	164	—	—	—	—	—	—
TEXARKANA.....	38	802	2	19	62	8	90	4	143	3	237	2	270	—	—	—	—	—	—
TYLER.....	33	732	3	22	55	3	31	3	106	1	56	—	—	1	484	—	—	—	—
WACO.....	134	1,362	17	68	161	41	431	12	344	6	426	—	—	—	—	—	—	—	—
WICHITA FALLS.....	69	932	1	33	82	23	239	7	231	5	380	—	—	—	—	—	—	—	—

¹ Excludes Port Arthur to avoid disclosure of individual operations.

MANUFACTURES—TEXAS.

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT. ¹	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	5,724	5,084	4,588	107,522	74,853	70,230	\$999,905,796	\$361,279,303	\$272,895,635	\$298,824,898	\$108,135,042	\$94,717,120
Less than \$5,000.....	1,440	2,065	1,746	1,091	2,572	2,646	3,904,150	5,154,763	4,297,098	2,478,215	3,471,925	2,943,755
\$5,000 to \$20,000.....	1,936	1,617	1,512	5,415	6,658	7,780	20,895,448	15,938,725	15,442,319	11,902,039	9,676,621	9,636,311
\$20,000 to \$100,000.....	1,391	864	868	13,511	13,454	15,724	61,576,483	38,649,043	39,117,172	32,490,914	18,093,401	19,593,400
\$100,000 to \$500,000.....	628	432	426	25,201	40,022	34,894	143,676,554	92,595,824	111,984,740	60,593,041	49,266,767	43,521,809
\$500,000 to \$1,000,000.....	166	65	36	16,026	12,147	9,186	112,761,377	43,851,219	102,054,306	39,736,851	27,626,328	19,021,845
\$1,000,000 and over.....	163	41	36	46,278	12,147	9,186	657,181,778	165,089,729		151,623,838		
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	25.2	40.6	38.1	1.0	3.4	3.8	0.4	1.4	1.6	0.8	3.2	3.1
\$5,000 to \$20,000.....	33.8	31.8	33.0	5.0	8.9	11.1	2.1	4.4	5.7	4.0	8.9	10.2
\$20,000 to \$100,000.....	24.3	17.0	18.9	12.6	18.0	22.4	6.2	10.7	14.3	10.9	16.7	20.7
\$100,000 to \$500,000.....	11.0	8.5	9.3	23.4	53.5	49.7	14.4	25.6	41.0	20.3	45.6	45.9
\$500,000 to \$1,000,000.....	2.9	1.3	0.8	14.9			11.3			13.3		
\$1,000,000 and over.....	2.8	0.8	0.8	43.0	16.2	13.1	65.7	45.7	37.4	50.7	25.5	20.1

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 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		1919		1914		1919		1914		1919		1914	
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.	
BREAD AND OTHER BAKERY PRODUCTS.....	610	530	100.0	100.0	2,762	1,949	100.0	100.0	\$20,154,202	\$7,503,298	100.0	100.0	\$7,454,030	\$3,361,461	100.0	100.0
Less than \$5,000.....	111	221	18.2	41.7	53	131	1.9	6.7	332,490	632,186	1.6	8.4	137,146	284,641	1.8	8.5
\$5,000 to \$20,000.....	296	235	48.5	44.3	455	663	16.5	28.9	3,280,961	2,187,617	16.3	29.1	1,238,496	1,002,531	16.6	29.8
\$20,000 to \$100,000.....	172	69	28.2	13.0	1,024	689	37.2	35.4	7,354,557	2,612,829	36.5	34.8	2,495,433	1,059,848	33.5	31.5
\$100,000 and over.....	31	5	5.1	0.9	1,220	566	44.3	29.0	9,186,194	2,071,266	45.6	27.0	3,582,955	1,014,441	48.1	30.2
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES	85	63	100.0	100.0	16,763	10,915	100.0	100.0	41,486,703	15,276,387	100.0	100.0	27,216,682	9,297,959	100.0	100.0
\$5,000 to \$20,000.....	5	18	5.9	12.7	14	198	0.1	0.9	46,259	187,704	0.1	0.6	130,248	59,755	0.1	0.6
\$20,000 to \$100,000.....	22	19	25.9	30.2	69	640	3.5	5.9	1,386,785	843,028	3.3	5.5	953,020	524,071	3.5	5.6
\$100,000 to \$500,000.....	34	28	40.0	44.4	3,144	10,177	18.8	93.2	7,815,280	6,717,456	18.8	44.0	5,325,484	8,714,133	19.6	93.7
\$500,000 to \$1,000,000.....	8	8	9.4	12.7	2,023		12.1		5,325,068	7,628,199	12.8	49.9	3,512,491		12.9	
\$1,000,000 and over.....	16		18.8		10,933		65.5		26,913,311		64.9		17,395,439		63.9	
COFFEE, ROASTING AND GRINDING.....	41	36	100.0	100.0	258	145	100.0	100.0	7,850,648	3,325,861	100.0	100.0	1,850,388	773,103	100.0	100.0
Less than \$5,000.....	7	3		8.3		2		1.4		10,338		0.3		3,355		0.4
\$5,000 to \$20,000.....	15	16	17.1	22.2	6	10	2.3	6.9	70,487	84,120	1.0	2.5	14,559	20,958	0.8	2.7
\$20,000 to \$100,000.....	15	16	36.6	44.4	44	62	17.1	42.8	710,282	817,170	9.0	24.6	230,842	186,264	12.5	24.1
\$100,000 to \$500,000.....	15	9	36.6	25.0	98	171	38.0	49.0	3,495,584	2,414,233	44.5	72.6	567,102	562,526	30.6	72.8
\$500,000 and over.....	4		9.8		110		42.6		3,568,295		45.4		1,037,885		56.1	
CONFECTIONERY AND ICE CREAM.....	193	123	100.0	100.0	1,950	968	100.0	100.0	13,309,435	3,526,382	100.0	100.0	5,080,541	1,569,904	100.0	100.0
Less than \$5,000.....	38	38	19.7	30.9	26	19	1.3	2.0	110,241	73,923	0.8	2.1	51,470	35,853	1.0	2.4
\$5,000 to \$20,000.....	61	52	31.6	42.3	122	131	6.3	13.5	700,283	504,725	5.3	14.3	321,956	241,264	6.3	16.0
\$20,000 to \$100,000.....	64	26	33.2	21.1	455	320	23.3	33.1	2,813,090	1,328,733	21.1	37.7	1,187,637	559,751	23.4	37.1
\$100,000 and over.....	30	7	15.5	5.7	1,347	498	69.1	51.4	9,685,821	1,619,001	72.8	45.9	3,519,478	673,036	69.3	44.6
COPPER, TIN, AND SHEET-IRON WORK.....	215	247	100.0	100.0	740	728	100.0	100.0	4,206,506	2,238,381	100.0	100.0	1,975,703	1,221,701	100.0	100.0
Less than \$5,000.....	82	131	38.1	53.0	46	156	6.2	21.4	220,153	365,033	5.2	16.3	122,612	223,807	6.2	18.3
\$5,000 to \$20,000.....	83	94	38.6	38.1	190	329	25.7	45.2	858,846	884,331	20.4	39.5	476,654	524,568	24.1	42.9
\$20,000 to \$100,000.....	44	22	20.5	8.9	407	243	55.0	33.4	1,788,346	989,017	42.5	44.2	915,512	473,326	46.3	38.7
\$100,000 to \$1,000,000.....	6		2.8		97		13.1		1,339,161		31.8		460,925		23.3	
COTTON GOODS.....	15	12	100.0	100.0	2,633	1,875	100.0	100.0	13,919,603	3,754,785	100.0	100.0	4,604,710	1,111,597	100.0	100.0
\$100,000 to \$500,000.....		12				1,875				3,754,785				1,111,597		
\$500,000 to \$1,000,000.....	10		66.7		1,470		55.8		7,150,386		51.4		2,248,319		48.8	
\$1,000,000 and over.....	5		33.3		1,163		44.2		6,763,217		48.6		2,356,391		51.2	
FLOUR-MILL AND GRISTMILL PRODUCTS.....	222	191	100.0	100.0	1,567	1,300	100.0	100.0	73,084,361	35,110,301	100.0	100.0	9,664,690	5,537,114	100.0	100.0
Less than \$5,000.....	41	44	18.5	23.0	11	28	0.7	2.1	110,037	120,014	0.2	0.3	28,787	34,559	0.3	0.6
\$5,000 to \$20,000.....	58	48	26.1	25.1	53	80	3.4	6.1	651,180	512,312	0.9	1.5	143,469	113,713	1.5	2.1
\$20,000 to \$100,000.....	64	41	28.8	21.5	130	123	8.3	9.5	2,753,662	1,752,997	3.8	5.0	500,152	267,558	5.2	4.8
\$100,000 to \$500,000.....	26	33	11.7	17.3	205	686	13.1	52.8	6,304,643	7,944,552	8.6	22.6	1,210,003	2,996,146	12.6	54.1
\$500,000 to \$1,000,000.....	12	17	5.4	8.9	203		13.0		8,408,780	11,782,881	11.5	33.6	1,052,219		10.9	
\$1,000,000 and over.....	21	8	9.5	4.2	965	383	61.6	29.3	54,830,159	12,997,545	75.0	37.0	6,730,000	2,125,138	69.6	38.4

¹ Includes the group "Less than \$5,000."² Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."³ Includes the group "\$1,000,000 and over."⁴ Includes the group "\$500,000 to \$1,000,000."⁵ Includes the group "\$100,000 to \$500,000."

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Con.

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	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.	58	26	100.0	100.0	635	317	100.0	100.0	\$17,389,049	\$4,051,950	100.0	100.0	\$2,810,733	\$720,425	100.0	100.0
Less than \$5,000.....	19	7	32.8	26.9	9	5	1.4	1.6	39,511	15,049	0.2	0.4	19,965	8,674	0.7	1.2
\$5,000 to \$20,000.....	12	5	20.7	19.2	38	14	6.0	4.4	157,265	46,707	0.9	1.2	60,578	20,867	2.2	2.9
\$20,000 to \$100,000.....	11	9	19.0	34.6	76	105	12.0	33.1	536,078	379,821	3.1	9.4	164,034	113,441	5.8	15.7
\$100,000 to \$500,000.....	10	15	17.2	19.2	275	193	43.3	60.9	2,286,836	3,610,379	13.1	89.1	491,692	1,577,443	17.5	80.1
\$500,000 and over.....	6		10.3		237		37.3		14,369,359		82.6		2,074,464		73.8	
FOUNDRY AND MACHINE-SHOP PRODUCTS¹.	204	142	100.0	100.0	3,940	2,681	100.0	100.0	20,838,211	7,622,573	100.0	100.0	10,779,381	4,169,013	100.0	100.0
Less than \$5,000.....	34	39	16.7	27.5	24	55	0.6	2.1	98,391	104,133	0.5	1.4	70,225	77,874	0.6	1.9
\$5,000 to \$20,000.....	68	53	33.3	37.3	211	256	5.4	9.5	742,361	545,487	3.6	7.2	518,190	380,859	4.8	9.1
\$20,000 to \$100,000.....	62	33	30.4	23.2	692	570	17.6	21.3	2,864,394	1,403,614	13.7	18.4	1,728,553	812,965	16.0	19.5
\$100,000 to \$500,000.....	25	13	12.3	9.2	1,004	1,800	25.5	67.1	5,047,373	2,609,996	24.2	34.2	2,779,923	1,289,315	25.8	69.5
\$500,000 to \$1,000,000.....	7	34	3.4	2.8	881		22.4		4,195,080	2,959,343	20.1	38.8	2,191,280		20.3	
\$1,000,000 and over.....	8		3.9		1,128		28.6		7,890,612		37.9		3,491,210		32.4	
ICE, MANUFACTURED.	205	255	100.0	100.0	2,362	1,926	100.0	100.0	9,811,061	5,328,302	100.0	100.0	6,666,146	3,668,772	100.0	100.0
Less than \$5,000.....	25	52	9.4	20.4	30	91	1.3	4.9	74,241	160,372	0.8	3.0	49,055	98,970	0.7	2.7
\$5,000 to \$20,000.....	119	118	44.9	46.3	405	499	17.1	25.9	1,296,548	1,233,164	13.2	23.1	783,079	845,773	11.8	23.1
\$20,000 to \$100,000.....	94	85	35.5	33.3	1,036	1,333	43.9	69.2	4,220,717	3,934,766	43.0	73.8	2,824,761	2,724,024	42.4	74.2
\$100,000 to \$500,000.....	27		10.2		891		37.7		4,219,555		43.0		3,005,651		45.1	
LUMBER AND TIMBER PRODUCTS.	457	401	100.0	100.0	17,359	17,783	100.0	100.0	47,884,281	23,144,926	100.0	100.0	32,193,612	14,562,968	100.0	100.0
Less than \$5,000.....	120	194	26.3	48.4	103	672	1.1	3.8	329,975	460,260	0.7	2.0	241,450	359,955	0.7	2.5
\$5,000 to \$20,000.....	142	109	31.1	27.2	698	1,041	4.0	5.9	1,404,850	1,111,164	3.1	4.8	1,109,594	820,103	3.4	5.7
\$20,000 to \$100,000.....	121	37	26.5	9.2	2,073	1,483	11.9	8.4	5,267,599	1,523,176	11.0	6.6	3,865,105	1,014,325	12.0	7.0
\$100,000 to \$500,000.....	46	48	9.8	12.0	5,019	14,582	28.9	82.0	12,326,541	10,834,859	25.7	46.8	8,345,855	12,302,590	25.9	84.9
\$500,000 to \$1,000,000.....	17	13	3.7	3.2	4,457		25.7		12,048,093	9,215,401	25.2	39.3	8,079,286		25.1	
\$1,000,000 and over.....	12		2.6		4,919		28.3		16,417,223		34.3		10,549,312		32.8	
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.	130	149	100.0	100.0	1,779	1,358	100.0	100.0	9,792,439	4,266,953	100.0	100.0	4,503,257	1,917,927	100.0	100.0
Less than \$5,000.....	27	40	20.8	26.8	15	48	0.8	3.5	83,070	103,300	0.6	2.4	38,986	56,144	0.9	2.9
\$5,000 to \$20,000.....	43	60	33.1	40.3	105	254	5.9	18.7	465,219	595,221	4.8	13.0	239,477	334,418	5.3	17.4
\$20,000 to \$100,000.....	36	43	27.7	28.9	410	681	23.0	50.1	1,864,748	2,119,490	19.0	49.7	840,641	1,099,581	18.7	57.3
\$100,000 to \$1,000,000.....	24	6	13.5	4.0	1,249	375	70.2	27.6	7,399,402	1,448,942	75.6	84.0	3,334,153	427,784	75.1	22.3
OIL AND CAKE, COTTONSEED.	200	233	100.0	100.0	4,472	4,471	100.0	100.0	102,111,850	41,944,689	100.0	100.0	14,978,862	5,768,113	100.0	100.0
Less than \$20,000.....	6	9	3.0	3.9	19	33	0.4	0.7	81,024	114,343	0.1	0.3	17,914	20,718	0.1	0.4
\$20,000 to \$100,000.....	21	75	10.5	32.2	109	804	2.4	18.0	1,274,239	5,052,173	1.2	12.0	232,349	680,275	1.5	11.8
\$100,000 to \$500,000.....	108	143	54.0	61.4	1,729	3,251	38.7	72.7	30,083,252	28,321,123	29.5	67.5	4,881,881	4,111,456	32.6	71.3
\$500,000 to \$1,000,000.....	50		25.0		1,669		37.3		33,850,373		33.1		6,031,797		40.6	
\$1,000,000 and over.....	15	6	7.5	2.6	946	838	21.2	8.6	36,822,962	8,457,050	36.1	20.2	3,764,921	955,664	25.1	16.6
PRINTING AND PUBLISHING, BOOK AND JOB.	308	238	100.0	100.0	2,258	1,805	100.0	100.0	12,233,688	4,711,163	100.0	100.0	7,419,125	3,390,820	100.0	100.0
Less than \$5,000.....	107	141	34.7	49.0	63	129	2.8	7.1	277,085	353,614	2.3	7.5	177,807	264,713	2.4	7.8
\$5,000 to \$20,000.....	92	95	28.9	33.0	264	427	11.7	23.7	1,009,513	949,233	8.2	20.1	637,358	702,293	8.6	20.7
\$20,000 to \$100,000.....	83	44	26.9	16.3	800	660	35.4	36.6	3,714,211	1,834,584	30.4	40.0	2,559,467	1,351,670	34.5	39.9
\$100,000 to \$500,000.....	22	8	7.1	2.8	873	589	38.7	32.6	4,462,621	1,623,732	36.5	32.3	2,789,353	1,072,144	37.6	31.6
\$500,000 and over.....	4		1.3		258		11.4		2,770,258		22.6		1,255,140		16.9	
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.	765	892	100.0	100.0	3,127	2,830	100.0	100.0	19,998,949	10,263,457	100.0	100.0	13,877,039	7,604,650	100.0	100.0
Less than \$5,000.....	383	607	50.1	68.0	252	645	8.1	22.8	1,005,693	1,418,610	5.0	13.8	777,874	1,183,258	5.6	15.6
\$5,000 to \$20,000.....	276	223	36.1	25.6	687	811	22.0	28.7	2,611,001	2,039,871	13.1	19.9	2,035,568	1,700,650	14.7	22.4
\$20,000 to \$100,000.....	77	30	10.1	4.4	663	496	21.2	17.5	3,038,769	1,380,058	15.2	13.4	2,330,825	994,727	16.8	13.1
\$100,000 to \$500,000.....	18	18	2.4	2.0	530	1,878	16.9	31.0	3,159,710	5,424,018	15.8	52.9	2,350,500	3,726,015	16.9	49.0
\$500,000 to \$1,000,000.....	7		0.9		430		13.8		4,391,877		22.0		2,685,161		19.3	
\$1,000,000 and over.....	4		0.5		565		18.1		5,785,899		28.9		3,697,111		26.6	
SADDLERY AND HARNESS.	68	75	100.0	100.0	919	567	100.0	100.0	7,817,750	3,382,244	100.0	100.0	2,587,980	949,339	100.0	100.0
Less than \$5,000.....	14	32	20.6	42.7	6	28	0.7	4.9	46,541	93,814	0.6	2.8	23,854	65,837	0.9	5.9
\$5,000 to \$20,000.....	32	29	47.1	38.7	45	82	4.9	14.5	353,758	297,730	4.5	8.8	156,622	144,813	6.1	15.3
\$20,000 to \$100,000.....	14	9	20.6	8.0	69	27	7.5	4.8	536,291	169,254	6.9	5.0	208,691	70,071	8.1	7.4
\$100,000 to \$500,000.....	3	18	4.4	10.7	135	1,430	14.7	75.8	1,033,549	1,821,946	13.2	83.4	248,832	1,678,618	9.6	71.5
\$500,000 and over.....	5		7.4		664		72.3		5,847,611		74.8		1,949,931		75.3	

¹ Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."
² Includes "iron and steel, welding."

³ Includes the group "\$1,000,000 and over."
⁴ Includes the group "\$100,000 to \$500,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ABILENE.....	22	130	100.0	\$765,834	100.0	\$313,540	100.0	HOUSTON.....	383	9,860	100.0	\$6,874,480	100.0	\$29,082,240	100.0
Less than \$5,000.....	10	22	16.9	98,233	12.8	57,045	18.2	Less than \$5,000.....	78	59	0.6	202,801	0.2	133,139	0.5
\$5,000 to \$20,000.....	12	108	83.1	667,601	87.2	256,495	81.8	\$5,000 to \$20,000.....	85	229	2.3	950,808	1.1	535,600	1.8
AMARILLO.....	42	496	100.0	1,896,601	100.0	1,088,440	100.0	\$20,000 to \$100,000.....	121	1,156	11.7	5,425,314	6.2	3,007,144	10.3
Less than \$5,000.....	12	7	1.4	32,597	1.7	21,893	2.0	\$100,000 to \$500,000.....	56	2,177	22.1	12,325,098	14.2	5,151,084	17.2
\$5,000 to \$20,000.....	14	34	6.9	151,798	8.0	76,059	7.0	\$500,000 to \$1,000,000.....	19	1,370	13.9	12,981,184	14.9	4,710,321	16.7
\$20,000 to \$100,000.....	13	143	28.8	696,169	36.7	412,608	37.9	\$1,000,000 and over.....	24	4,899	49.4	54,989,275	63.3	15,544,952	53.5
\$100,000 to \$1,000,000.....	3	312	62.9	1,016,037	53.6	577,880	53.1	LAREDO.....	30	303	100.0	704,877	100.0	438,032	100.0
AUSTIN.....	91	745	100.0	4,998,021	100.0	2,129,409	100.0	Less than \$5,000.....	7	9	3.0	15,808	2.2	9,343	2.1
Less than \$5,000.....	24	3	0.4	60,079	1.2	38,107	1.8	\$5,000 to \$20,000.....	11	88	29.0	138,060	19.6	82,291	18.8
\$5,000 to \$20,000.....	31	99	13.3	373,809	7.5	227,518	10.7	\$20,000 to \$100,000.....	12	206	68.0	551,009	78.2	346,398	79.1
\$20,000 to \$100,000.....	21	175	23.5	916,876	18.4	368,477	17.3	MARSHALL.....	24	1,670	100.0	6,904,078	100.0	2,635,181	100.0
\$100,000 to \$1,000,000.....	15	468	62.8	3,645,257	73.0	1,495,307	70.2	Less than \$5,000.....	4	4	0.2	13,350	0.2	7,605	0.3
BROWNSVILLE.....	18	119	100.0	504,754	100.0	165,895	100.0	\$5,000 to \$20,000.....	6	18	1.1	57,125	0.8	29,457	1.1
Less than \$5,000.....	4	8	6.7	10,350	2.1	8,032	4.8	\$20,000 to \$100,000.....	9	123	7.4	439,107	6.4	229,511	8.7
\$5,000 to \$20,000.....	6	20	16.8	59,147	11.7	35,536	21.4	\$100,000 and over.....	5	1,525	91.3	6,394,496	92.6	2,368,698	89.9
\$20,000 to \$100,000.....	8	91	76.5	435,257	86.2	122,327	73.7	PALESTINE.....	17	1,084	100.0	2,809,713	100.0	1,646,933	100.0
CLEBURNE.....	33	1,127	100.0	3,334,080	100.0	1,948,348	100.0	Less than \$20,000.....	6	11	1.0	51,622	1.8	28,370	1.7
Less than \$5,000.....	5	4	0.4	14,198	0.4	9,200	0.5	\$20,000 to \$100,000.....	8	106	9.8	420,790	15.0	267,793	16.3
\$5,000 to \$20,000.....	14	34	3.0	129,086	3.9	72,606	3.7	\$100,000 and over.....	3	967	89.2	2,337,301	83.2	1,350,770	82.0
\$20,000 to \$100,000.....	11	99	8.8	503,438	15.1	280,506	13.4	PARIS.....	52	939	100.0	6,079,514	100.0	2,205,247	100.0
\$100,000 and over.....	3	990	87.8	2,688,267	80.6	1,606,036	82.4	Less than \$5,000.....	4	6	0.6	12,227	0.2	5,110	0.2
CORPUS CHRISTI.....	20	94	100.0	647,049	100.0	280,334	100.0	\$5,000 to \$20,000.....	16	47	5.0	169,897	2.8	87,116	4.0
Less than \$20,000.....	12	25	26.6	120,965	18.7	71,701	25.6	\$20,000 to \$100,000.....	17	156	16.6	720,651	11.9	310,898	14.1
\$20,000 to \$100,000.....	8	69	73.4	526,084	81.3	208,633	74.4	\$100,000 and over.....	15	730	77.7	5,176,739	85.1	1,802,163	81.7
CORSICANA.....	40	599	100.0	8,001,243	100.0	3,013,351	100.0	RANGER.....	17	170	100.0	1,357,517	100.0	720,690	100.0
Less than \$5,000.....	5	2	0.3	15,128	0.2	8,150	0.3	Less than \$100,000.....	13	56	32.9	449,145	33.1	281,145	39.0
\$5,000 to \$20,000.....	14	28	4.7	158,043	2.0	99,164	3.3	\$100,000 to \$500,000.....	4	114	67.1	908,372	66.9	439,545	61.0
\$20,000 to \$100,000.....	13	106	17.7	589,181	7.4	315,271	10.5	SAN ANGELO.....	30	144	100.0	453,621	100.0	260,655	100.0
\$100,000 to \$500,000.....	4	32	5.3	943,930	11.8	276,900	9.2	Less than \$5,000.....	7	6	4.2	16,635	3.7	12,909	5.0
\$500,000 and over.....	4	431	72.0	6,294,361	78.7	2,313,866	76.8	\$5,000 to \$20,000.....	12	33	22.9	125,843	27.7	69,196	26.5
DALLAS.....	457	7,913	100.0	93,649,654	100.0	28,146,461	100.0	\$20,000 to \$100,000.....	11	105	72.9	311,143	68.6	178,550	68.5
Less than \$5,000.....	68	32	0.4	207,016	0.2	150,290	0.5	SAN ANTONIO.....	318	6,614	100.0	35,455,578	100.0	13,206,975	100.0
\$5,000 to \$20,000.....	130	280	3.7	1,481,858	1.6	948,129	3.4	Less than \$5,000.....	54	30	0.5	151,047	0.4	91,924	0.7
\$20,000 to \$100,000.....	156	1,275	16.1	7,350,001	7.8	4,400,784	15.6	\$5,000 to \$20,000.....	113	380	5.7	1,263,419	3.6	711,208	5.4
\$100,000 to \$500,000.....	75	2,715	34.3	16,173,393	17.3	7,686,224	27.3	\$20,000 to \$100,000.....	97	1,099	16.6	4,093,910	11.5	1,956,394	14.8
\$500,000 to \$1,000,000.....	9	692	8.7	6,477,344	6.9	2,625,787	9.3	\$100,000 to \$500,000.....	34	1,506	22.8	6,945,747	19.6	3,313,103	25.1
\$1,000,000 and over.....	19	2,910	36.8	61,960,042	66.2	12,335,247	43.8	\$500,000 to \$1,000,000.....	10	749	11.3	6,710,758	18.9	2,226,106	16.9
DENISON.....	42	1,084	100.0	5,077,916	100.0	2,051,079	100.0	\$1,000,000 and over.....	10	2,850	43.1	16,290,097	45.9	4,908,240	37.2
Less than \$5,000.....	13	9	0.8	38,655	0.8	25,065	1.2	SHERMAN.....	53	871	100.0	19,175,558	100.0	3,103,442	100.0
\$5,000 to \$20,000.....	15	31	2.9	176,257	3.5	85,948	4.2	Less than \$5,000.....	10	10	1.1	25,297	0.1	13,402	0.4
\$20,000 to \$100,000.....	6	72	6.6	328,788	6.5	174,782	8.5	\$5,000 to \$20,000.....	17	54	6.2	203,259	1.1	114,195	3.7
\$100,000 and over.....	8	972	89.7	4,534,316	89.3	1,765,284	86.1	\$20,000 to \$100,000.....	13	108	12.4	588,086	3.1	369,200	11.9
EL PASO.....	208	3,912	100.0	16,649,982	100.0	7,787,910	100.0	\$100,000 to \$1,000,000.....	6	271	31.1	1,690,639	8.8	590,796	19.0
Less than \$5,000.....	43	33	0.8	95,611	0.6	63,117	0.8	\$1,000,000 and over.....	7	428	49.1	16,668,277	86.9	2,015,849	65.0
\$5,000 to \$20,000.....	76	261	6.7	806,487	4.8	486,165	6.2	TEMPLE.....	45	412	100.0	2,839,366	100.0	1,040,424	100.0
\$20,000 to \$100,000.....	61	811	20.7	2,997,905	18.0	1,411,077	18.1	Less than \$5,000.....	8	5	1.2	22,330	0.8	14,413	1.4
\$100,000 to \$500,000.....	19	799	20.4	3,565,998	21.4	1,616,496	20.8	\$5,000 to \$20,000.....	18	44	10.7	182,316	6.4	109,010	10.5
\$500,000 to \$1,000,000.....	5	334	8.5	2,966,596	17.8	1,112,459	14.3	\$20,000 to \$100,000.....	14	72	17.5	515,555	18.2	290,040	27.9
\$1,000,000 and over.....	4	1,674	42.8	6,217,385	37.3	3,098,596	39.8	\$100,000 to \$1,000,000.....	5	291	70.6	2,119,165	74.6	626,961	60.3
FORT WORTH.....	229	4,452	100.0	38,160,092	100.0	12,502,858	100.0	TEXARKANA.....	38	802	100.0	4,474,319	100.0	1,884,489	100.0
Less than \$5,000.....	35	23	0.5	107,575	0.3	73,765	0.6	Less than \$5,000.....	4	3	0.4	7,051	0.2	4,870	0.3
\$5,000 to \$20,000.....	53	150	3.4	583,102	1.5	359,592	2.9	\$5,000 to \$20,000.....	10	33	4.1	109,422	2.4	68,047	3.6
\$20,000 to \$100,000.....	85	768	17.3	3,984,811	10.4	2,250,054	18.0	\$20,000 to \$100,000.....	13	94	11.7	555,544	12.4	262,561	13.9
\$100,000 to \$500,000.....	41	1,341	30.1	8,524,537	22.3	3,840,416	30.7	\$100,000 to \$500,000.....	8	376	46.9	1,546,740	34.6	987,772	52.4
\$500,000 to \$1,000,000.....	6	707	15.9	3,522,531	9.2	1,487,936	11.9	\$500,000 to \$1,000,000.....	3	296	36.9	2,255,553	50.4	561,239	29.8
\$1,000,000 and over.....	9	1,463	32.9	21,437,536	56.2	4,491,095	35.9	TYLER.....	33	732	100.0	2,615,694	100.0	1,364,964	100.0
GALVESTON.....	118	1,416	100.0	14,970,034	100.0	4,398,323	100.0	Less than \$5,000.....	6	4	0.5	15,265	0.6	9,946	0.7
Less than \$5,000.....	22	18	1.3	65,30,											

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TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.				
All industries.....	1919	2,847	1,653	1,224	107,522	11,433	86,638	9,451	10.6	80.6	8.8	\$999,995,796	\$57,348,290	\$882,136,923	\$60,510,583	5.7	88.2	6.1				
	1914	2,651	1,486	947	74,853	8,569	60,541	5,743	11.4	80.9	7.7	361,279,303	24,816,967	313,703,277	22,759,059	6.9	86.8	6.3				
	1909	2,290	1,352	946	70,230	9,295	54,697	6,238	13.2	77.9	8.9	272,895,635	23,161,308	231,050,361	18,674,966	8.5	84.7	6.8				
Bread and other bakery products.	1919	470	31	109	2,752	1,357	1,039	356	49.3	37.8	12.9	20,154,202	10,330,087	6,633,621	3,190,494	51.3	32.9	15.8				
	1914	442	15	73	1,949	1,017	633	299	52.2	32.5	15.3	7,503,298	3,933,192	2,385,990	1,184,116	52.4	31.8	15.8				
Butter.....	1919	12	10	9	200	25	66	109	12.5	33.0	54.5	7,161,208	646,278	994,329	5,520,601	9.0	13.9	77.1				
	1914	10	34	7	174	33	126	15	19.0	72.4	8.6	2,280,779	361,088	1,800,826	118,871	15.8	79.0	5.2				
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	85	.....	16,703	.....	16,703	.....	100.0	.....	.....	41,486,703	.....	41,486,703	.....	100.0	.....	.....		
	1914	.....	63	.....	10,915	.....	10,915	.....	100.0	.....	.....	15,276,387	.....	15,276,387	.....	100.0	.....	.....		
Coffee, roasting and grinding.	1919	13	21	7	258	33	190	35	12.8	73.6	13.6	7,850,648	466,638	6,238,265	1,145,745	5.9	79.5	14.6				
	1914	9	18	9	145	18	87	40	12.4	60.0	27.6	3,325,861	298,859	2,501,878	525,124	9.0	75.2	15.8				
Confectionery and ice cream.	1919	102	34	57	1,950	324	1,242	384	16.6	63.7	19.7	13,309,435	2,383,043	8,526,220	2,400,172	17.9	64.1	18.0				
	1914	60	33	30	968	119	688	161	12.3	71.1	16.6	3,526,382	362,456	2,527,123	636,803	10.3	71.7	18.1				
Cotton goods.....	1919	.....	15	.....	2,633	.....	2,633	.....	100.0	.....	.....	13,919,603	.....	13,919,603	.....	100.0	.....	.....		
	1914	.....	12	.....	1,875	.....	1,875	.....	100.0	.....	.....	3,754,785	.....	3,754,785	.....	100.0	.....	.....		
Flour-mill and gristmill products.	1919	88	78	56	1,567	111	1,352	104	7.1	86.3	6.6	73,064,361	3,110,483	66,941,148	3,012,730	4.3	91.6	4.1				
	1914	78	71	42	1,300	154	941	205	11.8	72.4	15.8	35,110,301	1,995,021	27,061,885	6,053,395	5.7	77.1	17.2				
Food preparations, not elsewhere specified.	1919	26	21	11	635	65	473	97	10.2	74.5	15.3	17,389,049	625,234	14,080,871	2,682,944	3.6	81.0	15.4				
	1914	12	8	6	317	55	225	37	17.4	71.0	11.7	4,051,956	157,182	3,719,884	174,800	3.9	91.8	4.3				
Foundry and machine-shop products. ¹	1919	86	71	47	3,940	539	2,989	412	13.7	75.9	10.5	20,838,211	2,176,954	16,619,620	2,041,637	10.4	79.8	9.8				
	1914	59	52	31	2,681	407	2,083	191	15.2	77.7	7.1	7,622,573	970,336	6,220,743	422,404	12.7	81.7	5.5				
Ice, manufactured.....	1919	37	184	44	2,362	119	1,985	258	5.0	84.0	10.9	9,811,061	356,490	8,431,509	1,023,062	3.6	85.9	10.4				
	1914	36	179	40	1,926	115	1,676	135	6.0	87.0	7.0	4,629,499	267,097	4,429,499	431,706	5.0	86.9	8.1				
Lumber and timber products.	1919	206	101	150	17,359	1,945	13,808	1,606	11.2	79.5	9.3	47,884,281	4,801,456	39,535,122	3,547,703	10.0	82.6	7.4				
	1914	201	88	112	17,783	1,170	15,062	1,551	6.6	84.7	8.7	23,144,926	1,304,532	20,242,703	1,597,691	5.6	87.5	6.9				
Lumber, planing - mill products, not including planing mills connected with sawmills.	1919	70	39	21	1,779	458	1,139	182	25.7	64.0	10.2	9,702,439	2,063,719	6,539,086	1,189,634	21.1	66.8	12.1				
	1914	70	39	40	1,358	371	635	352	27.3	46.8	25.9	4,266,953	899,348	2,221,379	1,146,226	21.1	52.1	26.9				
Oil and cake, cottonseed..	1919	16	157	27	4,472	335	3,520	617	7.5	78.7	13.8	102,111,850	6,183,892	84,833,462	11,094,494	6.1	83.1	10.9				
	1914	21	192	20	4,471	353	3,899	219	7.9	87.2	4.9	41,944,689	2,757,792	37,300,135	1,886,762	6.6	88.9	4.5				
Printing and publishing, book and job.	1919	174	59	75	2,258	503	1,383	372	22.3	61.2	16.5	12,233,688	2,455,000	8,143,016	1,635,672	20.1	66.6	13.4				
	1914	175	54	59	1,805	446	1,143	216	24.7	63.3	12.0	4,711,163	1,186,587	3,023,509	501,067	25.2	64.2	10.6				
Printing and publishing, newspapers and periodicals.	1919	472	134	159	3,127	790	2,022	315	25.3	64.7	10.1	19,098,949	3,024,285	15,325,080	1,649,575	15.1	76.6	8.2				
	1914	594	134	164	2,830	999	1,427	404	35.3	50.4	14.3	10,263,457	2,209,615	6,670,384	1,383,458	21.5	65.0	13.5				
Saddlery and harness.....	1919	40	12	16	919	79	716	124	8.6	77.9	13.5	7,817,750	613,759	5,955,675	1,248,316	7.8	76.2	16.0				
	1914	37	16	22	567	67	388	112	11.8	68.4	19.8	3,382,244	242,038	2,630,658	509,548	7.2	77.8	15.1				
Total for cities ²	1919	1,269	865	533	49,823	6,747	37,434	5,642	13.6	75.1	11.3	407,670,506	35,128,720	333,664,364	38,877,422	8.6	81.8	9.5				
	1914	993	699	379	31,789	4,509	24,504	2,776	14.2	77.1	8.7	139,929,138	14,207,149	110,812,897	14,909,092	10.2	79.2	10.7				
ADILENE.....	1919	11	4	7	130	60	52	18	46.2	40.0	13.8	765,834	385,550	207,476	172,808	50.3	27.1	22.6				
	1914	10	6	2	107	38	69	.....	35.5	64.5	.....	311,346	129,155	182,191	.....	41.5	58.5	.....			
AMARILLO.....	1919	33	5	4	496	110	334	52	22.2	67.3	10.5	1,896,601	515,257	1,065,201	316,143	27.2	56.2	16.7				
	1914	19	7	10	311	44	227	40	14.1	73.0	12.9	986,087	135,955	704,137	146,995	13.8	71.4	14.8				
AUSTIN.....	1919	46	18	27	745	225	373	147	30.2	50.1	19.7	4,990,021	1,494,922	2,182,878	1,318,221	29.9	43.7	26.4				
	1914	58	20	36	891	208	493	190	23.3	55.3	21.3	3,370,974	848,436	1,608,512	919,026	25.2	47.6	27.3				
CORSICANA.....	1919	12	11	17	599	22	490	87	3.7	81.8	14.5	8,001,243	220,831	7,296,240	484,172	2.8	91.2	6.1				
DALLAS.....	1919	190	179	88	7,913	697	6,514	702	8.8	82.3	8.9	93,649,654	4,890,398	84,682,220	4,097,036	5.2	90.4	4.4				
	1914	193	138	81	5,284	604	4,020	660	11.4	76.1	12.5	31,065,073	1,911,873	25,703,554	3,449,046	6.2	82.7	11.1				
DENISON.....	1919	26	11	5	1,084	51	1,020	13	4.7	94.1	1.2	5,077,916	302,581	4,497,234	278,101	6.0	88.6	5.5				
	1914	15	8	7	954	26	898	30	2.7	94.1	3.1	2,068,788	99,186	1,834,602	135,000	4.8	88.7	6.5				
EL PASO.....	1919	104	64	40	3,912	501	3,070	341	12.8	78.5	8.7	16,649,382	2,010,996	13,489,587	1,149,399	12.1	81.0	6.9				
	1914	54	43	20	2,347	411	1,797	139	17.5	76.6	5.9	6,135,214	969,758	4,890,626	274,830	15.8	79.7	4.5				
FORT WORTH.....	1919	98	85	46	4,452	493	3,577	382	11.1	80.3	8.6	38,160,092	2,798,551	30,316,256	5,045,285	7.3	79.4	13.2				
	1914	81	63	36	2,308	326	1,780	202	14.1	77.1	8.8	9,973,832	1,298,353	7,719,095	956,434	13.0	77.4	9.6				
GALVESTON.....	1919	67	32	19	1,416	358	945	112	25.3	66.8	7.9	14,979,034	2,092,190	12,348,975	537,869	14.0	82.4	3.6				
	1914	65	32	19	1,410	353	931	146	23.6	66.0	10.4	8,691,969	894,964	7,278,864	618,151	10.3	83.7	6.0				
GREENVILLE.....	1919	11	9	9	163	61	86	16	37.4	52.8	9.8	4,152,399	1,198,296	2,808,020	146,083	28.9	67.6	3.5				
HOUSTON.....	1919	172	144	67	9,860	853	7,375	1,632	8.7	74.8	16.6	86,874,480	5,675,102	71,985,756	9,213,6							

MANUFACTURES—TEXAS.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
MARSHALL.....	1919	7	11	6	1,670	25	1,619	26	1.5	96.9	1.6	6,904,078	103,175	6,692,520	108,383	1.5	96.9	1.6				
	1914	8	15	6	1,166	22	1,134	10	1.9	97.3	0.9	2,099,355	46,861	2,027,243	25,251	2.2	96.6	1.2				
PARIS.....	1919	23	17	12	939	132	711	96	14.1	75.7	10.2	6,079,514	810,765	4,256,026	1,012,723	13.3	70.0	16.7				
	1914	17	15	10	513	82	380	51	16.0	74.1	9.9	2,283,875	440,203	1,595,238	248,434	19.3	69.8	10.9				
RANGER.....	1919	7	7	3	170	23	136	11	13.5	80.0	6.5	1,357,517	193,363	1,060,744	103,410	14.2	78.1	7.6				
SAN ANGELO.....	1919	15	7	8	144	48	68	28	33.3	47.2	19.4	453,621	153,120	191,008	108,593	33.8	42.3	23.9				
	1914	15	8	7	161	48	85	27	29.8	53.4	16.8	499,148	132,651	241,749	124,748	26.6	48.4	25.0				
SAN ANTONIO.....	1919	190	75	53	6,014	1,834	4,314	466	27.7	65.2	7.0	35,455,578	5,286,687	27,009,848	3,159,043	14.9	76.2	8.9				
	1914	143	74	22	4,083	846	3,059	178	20.7	74.9	4.4	17,849,240	2,170,367	15,094,563	584,310	12.2	84.6	3.3				
SHERMAN.....	1919	27	22	4	871	1158	713	.....	18.1	81.9	.....	19,175,558	1,844,349	18,331,209	.....	4.4	95.6	.....			
	1914	15	15	6	389	46	301	42	11.8	77.4	10.8	7,027,747	160,256	6,739,644	127,847	2.3	95.9	1.8				
TEMPLE.....	1919	22	9	14	412	90	291	31	21.8	70.6	7.5	2,839,366	927,488	1,758,450	153,428	32.7	61.9	5.4				
	1914	13	13	11	342	69	247	26	20.2	72.2	7.6	1,451,925	395,646	980,804	75,475	27.2	67.6	5.2				
TEXARKANA.....	1919	4	17	17	802	24	162	616	3.0	20.2	76.8	4,474,319	178,831	539,028	3,756,460	4.0	12.0	84.1				
	1914	10	16	3	955	186	749	20	19.5	78.4	2.1	1,994,000	284,461	1,670,331	38,217	14.3	84.1	1.7				
TYLER.....	1919	15	10	8	732	50	646	36	6.8	88.3	4.9	2,615,694	245,078	2,152,515	218,101	9.4	82.3	8.3				
	1914	5	8	7	506	12	454	40	2.4	89.7	7.9	896,549	30,937	725,937	139,675	3.4	81.0	15.6				
WACO.....	1919	65	44	25	1,362	236	848	278	17.3	62.3	20.4	13,085,252	1,443,332	9,163,053	2,478,867	11.0	70.0	18.9				
	1914	54	45	26	1,125	260	685	180	23.1	60.9	16.0	5,611,737	1,186,105	3,628,556	797,076	21.1	64.7	14.2				
WICHITA FALLS.....	1919	25	15	29	932	108	530	294	11.6	56.9	31.5	16,832,429	756,999	13,859,005	2,216,425	4.5	26.3	13.2				
	1914	14	12	5	377	43	260	84	11.4	66.3	22.3	2,572,785	165,117	683,040	1,724,628	6.4	82.5	67.0				
ALL OTHER CITIES ²	1919	75	64	24	4,102	467	3,426	209	11.4	83.5	5.1	22,489,447	2,282,075	17,486,600	2,720,772	10.1	77.8	12.1				
	1914	58	52	17	2,683	238	2,369	76	8.9	88.3	2.8	8,826,614	865,739	6,916,380	1,044,495	9.8	78.4	11.8				

¹ Includes the group "All others."² "All other cities" include Beaumont, Brownsville, Cleburne, Corpus Christi, Del Rio, and Palestine.

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER. ¹	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.
Number of places.....	1919		29	.....	19	.....	6	.....	4	.....	
	1914		24	.....	15	.....	6	.....	3	.....	
	1909		20	.....	12	.....	8	.....		.....
Population ²	1920	4,663,228	1,092,044	23.4	251,239	5.4	275,692	5.9	565,113	12.1	3,571,184	76.6
	1915	4,257,854	801,465	18.8	188,981	4.4	281,398	6.6	331,086	7.8	3,456,389	81.2
	1910	3,896,542	620,712	15.9	147,337	3.8	473,375	12.1			3,275,830	84.1
Number of establishments.....	1919	5,724	2,667	46.6	591	10.3	689	12.0	1,387	24.2	3,057	53.4
	1914	5,084	2,071	40.7	425	8.4	719	14.1	927	18.2	3,013	59.3
	1909	4,588	1,614	35.2	350	7.6	1,264	27.6			2,974	64.8
Average number of wage earners.....	1919	107,522	49,823	46.3	11,032	10.3	9,952	9.3	28,839	26.8	57,699	53.7
	1914	74,853	31,789	42.5	7,661	10.2	9,154	12.2	14,974	20.0	43,064	57.5
	1909	70,230	26,303	37.5	6,286	9.0	20,017	28.5			43,927	62.5
Value of products.....	1919	\$999,995,796	\$407,670,506	40.8	\$72,066,302	7.2	\$81,464,400	8.1	\$254,139,804	25.4	\$592,325,290	59.2
	1914	361,279,303	139,920,138	38.7	26,171,984	7.2	38,974,831	10.8	74,782,323	20.7	221,350,165	61.3
	1909	272,896,635	109,559,057	40.1	19,928,547	7.3	89,630,510	32.8			163,336,578	59.9
Value added by manufacture.....	1919	298,824,898	137,045,811	45.9	25,234,635	8.4	28,872,642	9.7	82,938,534	27.8	161,779,087	54.1
	1914	108,135,042	53,802,642	49.8	8,989,694	8.3	15,814,566	14.6	28,998,382	26.8	54,332,400	50.2
	1909	94,717,120	42,844,970	45.2	7,074,911	7.5	35,770,059	37.8			51,872,150	54.8

¹ Includes Port Arthur to avoid disclosure of individual operations.² Population of 1920, as of Jan. 1, 1920: 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914): 1910, as of April 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
DALLAS.					FORT WORTH—Continued.				
Oil and cake, cottonseed.....	\$7,691,521	7.5	(1)	(1)	Peanuts, grading, roasting, cleaning, and shelling.....	(1)	(1)	(1)	(1)
Bread and other bakery products.....	4,696,128	22.8	\$2,657,118	137.0	Petroleum, refining.....	(1)	(1)	(1)	(1)
Printing and publishing, book and job.....	4,298,619	35.1	3,091,177	256.0	HOUSTON.				
Printing and publishing, newspapers and periodicals.....	4,126,321	20.6	2,043,172	98.1	Oil and cake, cottonseed.....	\$9,374,602	9.2	\$6,189,499	194.3
Saddlery and harness.....	3,904,053	49.9	(1)	(1)	Rice, cleaning and polishing.....	6,661,665	37.2	4,264,661	177.9
Foundry and machine-shop products ²	3,615,188	17.3	1,499,638	70.9	Cars and general shop construction and re- pairs by steam-railroad companies.....	5,445,508	13.1	(1)	(1)
Confectionery and ice cream.....	2,260,145	17.0	1,427,583	171.5	Foundry and machine-shop products ²	4,109,403	19.7	2,907,542	241.9
Clothing, men's.....	1,818,942	27.7	1,092,125	150.3	Bread and other bakery products.....	3,185,516	15.8	2,072,526	185.2
Automobile bodies and parts.....	880,070	47.1	841,220	1,875.6	Food preparations, not elsewhere specified.....	2,873,742	16.5	2,636,591	1,111.8
Ice, manufactured.....	804,608	8.2	378,248	88.7	Coffee, roasting and grinding.....	2,558,386	32.6	1,566,435	143.2
Mineral and carbonated waters.....	706,312	11.1	487,247	222.4	Printing and publishing, newspapers and periodicals.....	2,533,983	12.7	1,269,581	100.4
Chemicals.....	647,082	46.4	(1)	(1)	Printing and publishing, book and job.....	2,210,080	18.1	1,406,226	174.9
Lumber, planing-mill products, not includ- ing planing mills connected with saw- mills.....	615,683	6.3	8,005	1.3	Lumber, planing-mill products, not includ- ing planing mills connected with saw- mills.....	1,788,108	18.3	1,370,065	327.7
Automobiles.....	(1)	(1)	(1)	(1)	Furniture.....	1,500,329	34.1	1,123,061	297.7
Bags, other than paper, not including bags made in textile mills.....	(1)	(1)	(1)	(1)	Copper, tin and sheet-iron work.....	1,105,596	26.3	828,769	299.4
Coffee, roasting and grinding.....	(1)	(1)	(1)	(1)	Confectionery and ice cream.....	1,014,180	7.6	816,889	414.0
Coffins, burial cases, and undertakers' goods	(1)	(1)	(1)	(1)	Ice, manufactured.....	590,975	6.0	290,660	95.8
Cotton goods.....	(1)	(1)	(1)	(1)	Automobiles.....	(1)	(1)	(1)	(1)
Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)	Bags, other than paper, not including bags made in textile mills.....	(1)	(1)	(1)	(1)
Furniture, other than rattan, willow, and metal.....	(1)	(1)	(1)	(1)	Brass and bronze products.....	(1)	(1)	(1)	(1)
Mattresses and spring bed, not elsewhere specified.....	(1)	(1)	(1)	(1)	Butter.....	(1)	(1)	(1)	(1)
Millinery and lace goods, not elsewhere specified.....	(1)	(1)	(1)	(1)	Cement.....	(1)	(1)	(1)	(1)
Slaughtering and meat packing.....	(1)	(1)	(1)	(1)	Clothing, men's.....	(1)	(1)	(1)	(1)
Structural ironwork, not made in steel works or rolling mills.....	(1)	(1)	(1)	(1)	Cooperage, hogsheds and barrels.....	(1)	(1)	(1)	(1)
Waste, cotton.....	(1)	(1)	(1)	(1)	Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)
EL PASO.					Liquors, malt, including cereal beverages.....	(1)	(1)	(1)	(1)
Cars and general shop construction and re- pairs by steam-railroad companies.....	3,017,261	7.3	1,696,556	128.5	Shipbuilding, wooden, including boat building.....	(1)	(1)	(1)	(1)
Printing and publishing, newspapers and periodicals.....	1,280,629	6.4	773,996	152.8	Slaughtering and meat packing.....	(1)	(1)	(1)	(1)
Bread and other bakery products.....	1,023,691	5.1	629,851	169.9	Structural ironwork, not made in steel works or rolling mills.....	(1)	(1)	(1)	(1)
Foundry and machine-shop products ²	921,105	4.4	500,466	119.0	Tools, not elsewhere specified.....	(1)	(1)	(1)	(1)
Ice, manufactured.....	516,394	5.3	280,793	119.2	Wood preserving.....	(1)	(1)	(1)	(1)
Boxes, wooden packing, except cigar boxes.....	(1)	(1)	(1)	(1)	SAN ANTONIO.				
Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)	Printing and publishing.....	2,858,670	8.9	1,425,291	99.4
Gas, illuminating and heating.....	(1)	(1)	(1)	(1)	Slaughtering and meat packing.....	2,710,847	2.2	(1)	(1)
Petroleum, refining.....	(1)	(1)	(1)	(1)	Foundry and machine-shop products.....	2,466,088	11.8	1,490,043	152.7
Slaughtering and meat packing.....	(1)	(1)	(1)	(1)	Cars and general shop construction and re- pairs by steam-railroad companies.....	2,455,050	5.9	1,614,621	192.2
FORT WORTH.					Oil and cake, cottonseed.....	2,083,599	2.0	818,528	64.7
Food preparations, not elsewhere specified.....	2,754,286	15.8	(1)	(1)	Confectionery and ice cream.....	1,805,346	13.6	1,111,816	160.3
Cars and general shop construction and re- pairs by steam-railroad companies.....	2,650,817	6.4	2,093,583	375.7	Mineral and soda waters.....	1,631,428	24.9	1,459,849	1,200.7
Printing and publishing, newspapers and periodicals.....	2,506,611	12.5	1,827,803	269.3	Bread and other bakery products.....	1,565,727	7.8	956,503	156.6
Confectionery and ice cream.....	2,105,793	16.3	(1)	(1)	Lumber, planing-mill products, not includ- ing planing mills connected with saw- mills.....	721,356	7.4	171,973	31.3
Foundry and machine-shop products.....	1,858,942	8.9	1,678,857	932.3	Ice, manufactured.....	692,131	7.1	421,111	155.4
Bread and other bakery products.....	1,421,318	7.1	1,103,798	347.6	Clothing, men's.....	605,433	10.1	(1)	(1)
Printing and publishing, book and job.....	1,323,939	10.8	793,664	149.7	Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)
Ice, manufactured.....	888,110	9.1	596,669	203.7	Gas, illuminating and heating.....	(1)	(1)	(1)	(1)
Automobile repairing.....	686,558	12.9	(1)	(1)	Petroleum, refining.....	(1)	(1)	(1)	(1)
Butter.....	(1)	(1)	(1)	(1)	Pickles, preserves, and sauces.....	(1)	(1)	(1)	(1)
Clothing, men's.....	(1)	(1)	(1)	(1)	Saddlery and harness.....	(1)	(1)	(1)	(1)
Flour-mill and gristmill products.....	(1)	(1)	(1)	(1)	Tobacco, cigars.....	(1)	(1)	(1)	(1)

¹ Figures can not be shown without disclosing individual operations.² Includes "iron and steel, welding."

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	14,977	8,947	6,232	443,207	335,791	282,471	100.0	100.0	100.0
Owned.....	3,494	3,672	3,789	320,355	292,553	267,167	72.3	87.1	94.6
Steam.....	2,397	2,541	2,955	281,371	262,200	249,535	63.5	78.1	83.2
Engines.....	2,298	(²)	(²)	248,663	(²)	(²)	56.1	(²)	(²)
Turbines.....	99	(²)	(²)	32,718	(²)	(²)	7.4	(²)	(²)
Internal-combustion engines.....	1,063	1,101	802	36,579	28,300	15,745	8.3	8.4	5.6
Water.....	34	30	32	2,405	2,053	1,887	0.5	0.6	0.7
Water wheels and turbines.....	27	25	(²)	2,370	1,992	(²)	0.5	(²)	(²)
Water motors.....	7	5	(²)	35	61	(²)	(²)	(²)	(²)
Rented.....	11,483	5,275	2,442	122,852	43,238	15,304	27.7	12.9	5.4
Electric.....	11,483	5,275	2,442	120,539	42,943	14,868	27.3	12.8	5.3
Other.....	(1)	(1)	(1)	2,313	295	436	0.5	0.1	0.2
Electric.....	14,561	7,313	3,454	176,553	76,133	36,450	100.0	100.0	100.0
Rented.....	11,483	5,275	2,442	120,539	42,943	14,868	68.3	56.4	40.8
Generated by establishments reporting.....	3,078	2,038	1,011	56,014	33,190	21,582	31.7	43.6	59.2

¹ Figures for horsepower include for 1909 the amounts reported under the head of "Other" owned power. ² Not reported separately. ³ Less than one-tenth of 1 percent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries..... 1919.	38,600	854,231	158,963	10,349,421	30,323	4,883,550
..... 1914.	8,890	1,286,179	83,932	5,599,905	(1)	6,040,046
Per cent of increase ²	334.2	-33.6	90.1	85.4	(1)	-19.1
Automobile repairing.....	92	980	72	780	752	15,192
Brass and bronze products.....	7	—	74	4,831	385	230
Bread and other bakery products.....	692	4,182	1,768	23,841	1,282	204,092
Brick and tile, terra-cotta, and fire-clay products.....	2,403	30,725	6,944	345,670	146	925,536
Butter.....	24	4,827	—	799	184	933
Cars and general shop construction and repairs by steam-railroad companies.....	16,779	82,419	656	596,989	4,434	2,493
Cement.....	—	50,112	11,396	549,815	—	273,977
Chemicals.....	5	22	2,507	14,854	35	643
Confectionery and ice cream.....	72	6,537	173	21,305	880	87,143
Copper, tin, and sheet-iron work.....	66	172	15	23	426	4,722
Cotton goods.....	—	17,571	—	35,460	—	40,577
Flour-mill and gristmill products.....	62	19,507	1,030	87,413	1,851	141,096
Food preparations, not elsewhere specified.....	93	14,880	51	13,429	38	14,542
Foundry and machine-shop products.....	115	10,472	12,791	22,790	1,608	76,902
Gas, illuminating and heating.....	2,864	25,606	42,728	213,413	—	29,850
Ice, manufactured.....	7,133	184,012	21,822	528,865	2,646	980,332
Lime.....	—	24,745	1,300	6,551	25	—
Liquors, malt.....	—	7,101	—	74,399	—	—
Lumber and timber products.....	698	18,179	—	56,177	1,162	3
Marble and stone work.....	10	453	4	380	1,431	2,080
Mineral and soda waters.....	94	2,757	3	36,687	496	10,820
Oil and cake, cottonseed.....	4,506	204,031	8,525	283,693	1,378	157,337
Paper and wood pulp.....	—	13,141	—	44	—	14,000
Petroleum, refining.....	—	—	14,203	6,203,637	1,902	954,618
Salt.....	—	63,436	4,571	60,000	5	—
Shipbuilding, wooden, including boat building.....	—	4,025	1	40,236	309	31
Slaughtering and meat packing.....	—	23,257	8,018	545,885	742	268,952
Wood preserving.....	—	7,337	—	46,261	350	150,705
All other industries.....	2,885	39,685	20,311	535,188	7,956	526,053
Total for cities ¹	19,754	297,230	61,084	1,886,817	7,737	2,017,377
ABILENE.....	—	3	—	1,289	—	27,657
AMARILLO.....	1	4,456	1,189	13,764	470	517
AUSTIN.....	3,053	21,185	3,110	8,630	299	4,747
BEAUMONT.....	52	1,643	3,934	45,638	480	11,144
BROWNSVILLE.....	—	—	—	14,000	52	—
CLEBURNE.....	581	7,186	421	75,509	39	585
CORPUS CHRISTI.....	—	2,015	263	7,359	1	438
CORSICANA.....	—	1,869	688	106,142	15	25,250
DALLAS.....	104	20,905	2,933	198,197	233	569,222
DEL RIO.....	—	1,753	—	12,985	2	—
DENISON.....	—	5,388	—	—	2	46,709
EL PASO.....	670	48,480	2,763	125,242	226	13,857
FORT WORTH.....	364	11,226	2,601	249,208	338	313,479
GALVESTON.....	458	493	2,735	82,436	220	6,602
GREENVILLE.....	1	19,212	145	7,085	—	370
HOUSTON.....	1,197	29,535	19,367	560,339	2,574	18,051
LAREDO.....	202	1,362	10	—	4	33,062
MARSHALL.....	—	3,217	2,095	11,753	1,815	150,235
PALESTINE.....	—	10,717	529	15,165	1	578
PARIS.....	875	4,848	840	3,208	4	6,770
RANGER.....	—	12	—	710	21	12,078
SAN ANGELO.....	2	1,332	75	6,970	11	245
SAN ANTONIO.....	465	47,132	14,352	182,079	526	25,689
SHERMAN.....	1	10,908	—	2,844	41	69,212
TEMPLE.....	139	7,234	15	28,862	38	411
TEXARKANA.....	6	1,561	—	26,967	29	363,750
TYLER.....	10,042	15,015	397	1,532	15	383
WACO.....	1,541	17,955	2,194	21,071	50	4,647
WICHITA FALLS.....	—	588	428	77,835	231	311,651

¹ Included in figures for fuel oils.² A minus sign (—) denotes decrease.³ Excludes figures for Port Arthur to avoid disclosure of individual operations.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for six of these industries in Texas are here presented.

Petroleum, refining (Table 19).—This table shows the quantity and cost of the principal materials used, the quantity and value of the chief products of the petroleum-refining industry in Texas in 1919, and the equipment of the plants.

Measured by value of products, Texas ranked second among the states in petroleum refining, New Jersey ranking first. The industry ranked first among the manufacturing industries of the state. In 1914 the industry was represented by nine establishments, and the state ranked third, being exceeded by New Jersey and California.

TABLE 19.—PETROLEUM, REFINING: 1919.

	Quantity.	Cost.
MATERIALS.		
Total cost.....		\$192,877,963
Crude petroleum.....barrels (42 gallons).....	67,260,333	144,157,009
Domestic.....	59,455,592	
Mexican.....	7,804,771	
Distillates purchased and rerun.....barrels.....	6,150,129	18,643,692
Casing-head gasoline.....barrels.....	1,263,490	11,021,265
Sulphur.....tons.....	5,271	96,632
Sulphuric acid:		
Purchased.....net tons.....	25,385	596,796
Made and consumed.....net tons.....	18,140	
Restored and reused.....net tons.....	30,790	
Caustic soda.....pounds.....	9,350,122	409,102
Soda ash.....pounds.....	5,824,629	154,406
Litharge.....pounds.....	714,915	72,769
Fuller's earth.....tons.....	2,865	74,097
Other filtering material.....		2,381
Containers and materials therefor:		
Wooden.....		2,917,419
Metal.....		2,770,882
All other materials, including fuel and rent of power.....		11,961,453
PRODUCTS.		
Total value.....		Value. \$241,757,313
Gasoline.....gallons.....	581,692,000	110,457,368
Naphtha.....gallons.....	48,003,709	4,909,501
Benzine.....gallons.....	2,703,200	350,121
Illuminating oils.....gallons.....	351,924,000	28,765,944
Fuel oils:		
Distillates.....gallons.....	82,015,000	4,670,244
Gas oils.....gallons.....	180,457,000	8,019,303
Residual fuel oils.....gallons.....	1,295,960,000	38,947,809
Partly refined oils sold for rerunning.....gallons.....	200,903,000	15,037,199
Lubricating oils:		
Pale or paraffin.....gallons.....	19,092,000	3,692,339
Red or neutral.....gallons.....	44,015,000	7,093,689
Cylinder oils.....gallons.....	6,587,000	1,631,304
All other.....gallons.....	24,555,000	4,555,676
Liquid asphaltic road oils.....gallons.....	14,987,000	779,881
Residuum or tar.....gallons.....	6,440,000	189,636
Greases, lubricating and axle.....gallons.....	2,823,000	1,039,980
Paraffin wax.....gallons.....	4,124,000	1,191,522
Asphalt, other than liquid asphalt.....tons.....	144,850	1,610,641
Coke.....tons.....	22,850	147,111
All other products.....		8,660,485
EQUIPMENT.		
Stills:	Number.	Capacity (gallons).
Steam.....	141	9,582,000
Fire.....	673	17,871,000
Pressure.....	100	840,000
Agitators.....	146	6,596,000
Chilling houses for paraffin.....	7	120,000
Filter houses.....	8	565,000
Hydraulic or other presses.....	34	267,000
Storage tanks:		
Crude petroleum.....	180	288,238,000
Refined petroleum products.....	1,222	403,008,000
Fuel oil.....	255	178,870,000
Other.....	661	20,749,000

The total production of refined oils in 1919, the same including the gasoline, naphthas, and benzine, fuel oils, illuminating oils, lubricating oils, and partly refined oils, was 58,257,880 barrels of 50 gallons, as compared with 28,373,545 barrels in 1914, an increase of 105.3 per cent. The refineries used 73,410,462 barrels (42 gallons) of crude petroleum and partially refined oils in 1919 as compared with 35,511,452 barrels in 1914, an increase of 106.7 per cent.

Of the total production of refined oils in 1919, fuel oils constituted 53.5 per cent; gasoline, naphtha, and benzine, 21.7 per cent; illuminating oils, 12.1 per cent; lubricating oils, 3.2 per cent; and partially refined and liquid asphaltic road oils, 9.5 per cent.

Slaughtering and meat packing (Table 20).—This table presents for the census years 1919, 1914, and 1909, the kind, number, and cost of all animals slaughtered, except goats and kids; the cost of all other materials, which includes goats and kids, dressed meat purchased for curing and for making lard compounds, cottonseed oil, butter for making oleomargarine, refrigeration, curing materials, seasoning, fuel, rent of power, containers, mill supplies, and freight; and also the kind, quantity, and value of the principal products that can be shown without disclosing individual operations; and the value of those products that can not be shown separately, which with minor and auxiliary specified products are grouped under "All other products" and include beef, pickled and other cured, canned goods, canned sausage, oleo and neatsfoot oil, oleo stearin, oleomargarine, casings, peanut oil, stock food, meat puddings, scrap-ple, etc., hoofs and horns, soap, goat and kid skins, other skins (kind not specified), cattle and hog hair, ice, mince meat, and serum.

The increase in total cost of materials from 1914 to 1919 was \$62,327,200, or 140.3 per cent; and the increase in the total cost of animals slaughtered was \$35,804,530, or 98.4 per cent. The total value of products increased \$72,246,851, or 136.5 per cent, in the last census period; the value of fresh meat increased \$24,007,030, or 92.4 per cent; and cured meat and other products \$48,239,821, or 178.9 per cent.

The actual growth of the industry, however, is indicated by the number of animals slaughtered, which was 1,751,507 in 1919, and 1,554,102 in 1914, an increase of 197,405, or 12.7 per cent, during the census period. The number slaughtered in 1909 was 27,613 more than in 1919.

The industry retains second place in value of products of all manufacturing industries in the state, and tenth place in the slaughtering and meat-packing industry in the United States.

TABLE 20.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$106,751,617	\$44,424,417	\$37,409,785
Animals slaughtered, cost.....	\$72,184,380	\$30,379,850	\$28,412,858
Beef:			
Number.....	550,550	554,479	527,469
Cost.....	\$39,926,332	\$24,219,588	\$15,089,886
Calves:			
Number.....	353,417	145,391	234,172
Cost.....	\$8,815,216	\$2,151,433	\$2,074,188
Sheep and lambs:			
Number.....	151,285	284,050	77,805
Cost.....	\$1,524,325	\$1,196,295	\$315,096
Hogs:			
Number.....	696,255	570,182	939,674
Cost.....	\$21,918,507	\$8,812,534	\$10,933,088
All other materials, cost.....	\$34,567,237	\$8,044,567	\$8,996,927
PRODUCTS.			
Total value.....	\$125,191,873	\$52,945,022	\$42,529,746
Fresh meat, value.....	\$49,994,585	\$25,987,555	\$18,142,465
Beef:			
Pounds.....	223,975,778	206,657,923	208,086,588
Value.....	\$32,768,834	\$19,558,106	\$12,408,125
Veal:			
Pounds.....	43,726,133	19,089,516	29,308,686
Value.....	\$6,595,105	\$1,969,967	\$2,023,885
Mutton and lamb:			
Pounds.....	6,626,395	11,179,234	2,846,112
Value.....	\$1,327,333	\$1,089,533	\$260,574
Pork:			
Pounds.....	31,385,355	23,767,781	32,054,404
Value.....	\$8,244,951	\$2,817,212	\$3,195,006
Edible offal and all other fresh meat:			
Pounds.....	11,364,329	7,571,175	2,052,042
Value.....	\$1,058,362	\$552,737	\$254,877
Cured meat:			
Pork, pickled and other cured—			
Pounds.....	57,457,320	39,477,022	71,219,957
Value.....	\$17,478,772	\$6,186,663	\$7,648,463
Sausage:			
Pounds.....	25,279,960	8,847,610	12,916,425
Value.....	\$5,110,596	\$979,923	\$1,064,242
Lard:			
Pounds.....	15,380,667	16,157,440	60,862,980
Value.....	\$4,540,356	\$1,790,814	\$5,644,149
Lard compounds and substitutes:			
Pounds.....	88,978,364	72,345,830	(¹)
Value.....	\$21,516,238	\$6,296,084	(¹)
Tallow:			
Pounds.....	8,278,488	6,079,735	1,453,256
Value.....	\$1,200,128	\$363,572	\$87,936
Grease and soap stock:			
Pounds.....	8,678,946	5,502,607	(¹)
Value.....	\$579,666	\$99,011	(¹)
Fertilizer and fertilizer materials:			
Tons.....	4,904	13,037	15,303
Value.....	\$273,391	\$324,236	\$435,004
Hides and pelts:			
Cattle—			
Number.....	550,550	554,479	
Pounds.....	27,740,834	27,412,468	
Value.....	\$9,061,734	\$4,632,686	608,452
Calf—			
Number.....	342,047	110,110	27,478,391
Pounds.....	5,236,366	2,044,810	\$3,750,416
Value.....	\$2,719,628	\$366,994	
Sheep—			
Number.....	150,768	283,471	77,861
Value.....	\$304,185	\$169,759	\$54,629
All other products, value.....	\$12,406,594	\$5,747,725	\$5,702,442

¹ Not reported separately.

Flour-mill and gristmill products (Table 21).—This table gives the quantity and value of the principal kinds of flour-mill and gristmill products for 1919, 1914, and 1909.

Wheat flour was the product of chief value, forming 72.2 per cent of the total value of all products for the industry in 1919 and 62.1 per cent in 1914. The total value of all products for the industry increased \$37,954,060, or 108.1 per cent, during the five-year period and the value of wheat flour \$30,937,406, or 141.9 per cent. There was only a small increase,

however, in the number of barrels of flour, 494,501 barrels, or 12.1 per cent. Corn meal and corn flour and feed and offal show increases in value and decreases in quantity during the census period 1914–1919.

TABLE 21.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$73,064,361	\$35,110,301	\$32,484,612
Wheat flour:			
Barrels.....	4,583,879	4,089,378	3,342,035
Value.....	\$52,743,029	\$21,805,628	\$19,124,834
Rye flour:			
Barrels.....	834	813	1,551
Value.....	\$8,382	\$4,117	\$9,009
Corn meal and corn flour:			
Barrels.....	713,288	1,042,654	877,314
Value.....	\$5,848,489	\$3,729,947	\$2,875,994
Bran and middlings:			
Tons.....	183,437	167,091	(¹)
Value.....	\$9,003,516	\$4,203,561	(¹)
Feed and offal:			
Tons.....	87,014	171,510	400,290
Value.....	\$5,418,824	\$5,225,761	\$10,429,925
All other cereal products, value.....	\$15,052	\$785	\$18,392
All other products, value.....	\$26,769	\$140,507	\$26,398

¹ Included in "Feed and offal."

Lumber and timber products (Table 22).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The production of lumber in Texas has long been of great importance. The annual output has exceeded one billion feet since 1905. The largest cut of record, 2,229,590,000 feet, was reported for 1907.

In 1919 Texas ranked eighth among the states in the production of lumber and in 1914 and 1909, seventh. The cut for 1919 decreased 11.2 per cent compared with that for 1914 and 34.3 per cent compared with that for 1909.

This state ranked fourth in 1919 in the production of yellow pine lumber, reporting 1,330,734,000 feet. This was 96.4 per cent of the total cut for the state from all species. The cut of oak lumber was next in importance with 28,605,000 feet, or 2.1 per cent of the total. Among other species sawed into lumber in considerable quantities were gum, cypress, tupelo, maple, and ash.

TABLE 22.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. ¹		
	1919	1914	1909
Lumber.....M feet b. m.	1,379,774	1,554,005	2,099,130
Lath.....thousands..	35,916	(¹)	59,627
Shingles.....thousands..	13,581	(¹)	137,719

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.² Not reported.

Printing and publishing (Table 23).—The number and aggregate circulation per issue for all newspapers and periodicals published in Texas as reported at the censuses of 1919, 1914, and 1909 are presented in this table.

The total circulation of all newspapers and periodicals increased by 131,768, or 4.7 per cent, for the five-year period 1914-1919, and by 783,928, or 35.9 per cent, for the decade.

The decrease shown in number of newspapers is due to the disappearance of many weeklies. In some instances weeklies grew into dailies, this class increasing by 8 during the five years and by 16 during the decade. The circulation of daily newspapers increased by 127,967, or 21 per cent, from 1914 to 1919, and by 407,850, or 123.4 per cent, for the decade. In 1919, 77 dailies with a circulation of 437,447, or 59.2 per cent of the total daily circulation, were published in the afternoon. This is an increase of 93,301, or 27.1 per cent, for the five years and of 273,290, or 166.5 per cent, for the decade. During the period from 1914 to 1919, the circulation of Sunday newspapers increased by 99,586, or 21.6 per cent, and during the 10 years by 259,345, or 85.8 per cent.

The foreign-language publications numbered 40 in 1919, compared with 58 in 1914 and 57 in 1909. The aggregate circulation per issue of these in 1919 was 137,633; in 1914, 159,639 and in 1909, 144,771. In 1919, 6 of these foreign-language publications were dailies—2 morning and 4 afternoon, all in Spanish with a circulation of 39,183. There was also a Spanish Sunday publication. Of the 26 weeklies, 10 were in Spanish, 10 in German, 3 in Czecho-Slovak, 1 in Bohemian, 1 in Swedish, and 1 in English and Spanish. There were 2 semiweeklies, 1 in Spanish and 1 in Czecho-Slovak; 1 semimonthly in Spanish; 3 monthly publications, 1 in Bohemian, 1 in German, and 1 in Spanish. The only quarterly was in Spanish. The Spanish publications numbered 21 and had a circulation of 88,033; the German, 11 with a circulation of 25,950; the Czecho-Slovak, 4 with a circulation of 14,350; and the Bohemian, 2.

TABLE 23.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	894	1,005	962	2,964,850	2,833,032	2,180,922
Daily.....	115	107	99	738,412	610,445	330,562
Sunday.....	46	32	30	561,534	461,943	302,189
Semiweekly ¹	23	29	28	275,170	221,852	265,816
Weekly.....	636	762	728	894,394	1,125,376	964,524
Semimonthly.....	7	7	10	82,700	34,326	58,281
Monthly.....	64	65	64	407,384	375,035	256,700
Quarterly ²	3	3	3	5,250	4,100	2,850

¹ Includes in 1909 1 triweekly.

² Includes in 1919 1 bimonthly, and in 1914 1 bimonthly and 1 semiannual.

Rice, cleaning and polishing (Table 24).—This table covers the operations of all establishments engaged primarily in the milling of rice, including statistics for establishments engaged in the milling of rice on a custom basis.

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TABLE 24.—RICE CLEANING AND POLISHING: 1919, 1914, AND 1909.

MATERIAL AND PRODUCT.	1919	1914	1909
Rough rice treated, pounds.....	319,765,950	315,169,065	371,816,370
PRODUCTS.			
Total value.....	\$17,900,547	\$7,216,359	\$8,142,438
Clean rice:			
Pounds.....	210,826,438	206,724,889	236,117,295
Value.....	\$15,486,109	\$6,840,320	\$7,571,780
Polish:			
Pounds.....	7,420,561	9,856,739	10,402,638
Value.....	\$194,515	\$107,198	\$132,258
Brans:			
Pounds.....	27,964,999	29,251,625	29,505,946
Value.....	\$498,210	\$228,199	\$276,535
All other products, value.....	\$1,721,713	\$40,642	\$161,895

Laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries.

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1914-1919.
	1919	1914	
Number of establishments.....	171	185	-7.6
Persons engaged.....	6,321	5,254	20.3
Proprietors and firm members.....	175	221	-20.8
Salaried employees.....	678	428	58.4
Wage earners (average number).....	5,468	4,605	18.7
Primary horsepower.....	5,918	6,063	-2.4
Capital.....	\$5,582,900	\$3,443,394	62.1
Salaries and wages.....	4,350,241	2,603,511	67.1
Salaries.....	950,709	485,562	95.8
Wages.....	3,399,532	2,117,949	60.5
Paid for contract work.....	23,515	21,576	9.0
Rent and taxes.....	261,333	134,847	93.8
Cost of materials.....	2,070,297	1,071,622	93.2
Amount received for work done.....	9,249,915	5,521,841	67.5

¹ A minus sign (-) denotes decrease.

Dyeing and cleaning (Table 26).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	97
Persons engaged.....	838
Proprietors and firm members.....	125
Salaried employees.....	99
Wage earners (average number).....	614
Primary horsepower.....	798
Capital.....	\$914,340
Salaries and wages.....	783,334
Salaries.....	143,036
Wages.....	640,298
Paid for contract work.....	44,055
Rent and taxes.....	93,089
Cost of materials.....	339,770
Amount received for work done.....	1,910,990

Custom sawmills and custom gristmills (Tables 27 and 28).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for

custom mills were not collected in 1914. Tables 27 and 28, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represent the amount charged for the work performed, and for custom gristmills, the selling value of the grain milled.

TABLE 27.—CUSTOM SAWMILLS: 1919.

	Number or amount.
Number of establishments.....	9
Persons engaged.....	16
Proprietors and firm members.....	13
Wage earners.....	3
Primary horsepower.....	400
Capital.....	\$13,280
Wages.....	1,678
Rent and taxes.....	129
Cost of materials.....	489
Amount received for work done.....	4,225

TABLE 28.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	325	412	-21.1
Persons engaged.....	500	969	-48.4
Proprietors and firm members.....	397	561	-29.2
Salaried employees.....	17	4	—
Wage earners (average number).....	86	404	-78.7
Primary horsepower.....	8,432	14,341	-41.2
Capital.....	\$827,652	\$449,944	83.9
Salaries and wages.....	60,520	29,162	107.6
Salaries.....	9,358	784	1,093.6
Wages.....	51,168	28,378	80.3
Contract work.....	355	—	—
Rent and taxes.....	11,401	(²)	(³)
Cost of materials ²	1,113,766	745,361	49.4
Value of products ³	1,426,911	924,427	54.4

¹ A minus sign (—) denotes decrease. Percentages are omitted where base is less than 100.

² Figures not available.

³ Includes estimate of all grain ground.

GENERAL TABLES.

Table 29 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 selected industries in the state and in Dallas, El Paso, Fort Worth, Houston, and San Antonio, and, for the cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

Table 30 presents for 1919, for the state as a whole and for Dallas, El Paso, Fort Worth, Houston, and San Antonio statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and for cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	5,724	107,522	443,207	\$116,404	\$701,171	\$999,996	Gas, illuminating and heating.	1919	25	643	3,622	\$628	\$1,587	\$3,614
	1914	5,084	74,853	335,791	44,821	253,144	361,279		1914	27	613	1,759	354	768	2,185
	1909	4,588	70,230	282,471	37,907	178,179	272,896		1909	27	575	1,090	288	545	1,644
Artificial stone products.....	1919	23	340	262	236	216	573	Ice, manufactured.....	1919	265	2,362	55,879	2,223	3,145	9,811
	1914	25	100	67	62	61	186		1914	255	1,926	42,271	1,138	1,660	5,328
	1909	33	133	51	70	86	239		1909	182	1,437	29,905	839	1,092	3,844
Automobile bodies and parts.	1919	72	480	626	557	753	1,881	Leather goods ⁴	1919	80	1,044	456	1,081	5,464	8,320
	1914	9	35	34	33	39	105		1914	87	640	377	429	2,482	3,507
	1909	13	128	84	68	939	1,308		1909	67	721	601	463	2,839	4,347
Awnings, tents, and sails.....	1919	13	128	84	68	939	1,308	Lime.....	1919	7	226	596	227	323	798
	1914	16	108	88	49	288	429		1914	8	262	439	105	115	347
	1909	7	122	249	139	1,016	1,467		1909	11	348	534	123	143	399
Brass and bronze products....	1919	7	122	249	139	1,016	1,467	Liquors, malt.....	1919	6	286	4,476	334	1,080	2,143
	1914	7	91	189	63	351	495		1914	13	958	9,068	806	2,929	8,471
	1909	8	112	146	61	309	518		1909	12	765	7,817	566	1,695	6,464
Bread and other bakery prod- ucts.	1919	610	2,752	2,792	2,592	12,700	20,154	Lumber and timber products ⁵	1919	615	20,283	87,654	20,436	22,641	61,282
	1914	530	1,049	2,325	1,095	4,142	7,503		1914	587	19,956	73,752	10,404	11,040	28,741
	1909	385	1,391	1,281	671	3,062	5,311		1909	799	23,518	88,031	11,602	11,004	32,201
Brick, tile, pottery, and other clay products.	1919	68	1,703	9,305	1,370	1,361	4,265	Marble and stone work.....	1919	126	459	1,821	539	882	2,159
	1914	81	1,811	8,806	801	934	2,378		1914	135	464	1,531	358	523	1,367
	1909	106	2,355	8,411	980	961	3,142		1909	107	605	1,016	425	502	1,443
Brooms, from broom corn....	1919	45	225	228	199	733	1,247	Mattresses and spring beds, not elsewhere specified.	1919	86	431	1,029	332	1,757	2,910
	1914	31	177	149	95	264	460		1914	59	283	900	152	602	1,060
	1909	32	184	119	80	210	394		1909	60	233	587	118	362	658
Butter.....	1919	31	200	953	202	5,966	7,161	Mineral and soda waters.....	1919	258	880	3,470	831	3,336	6,300
	1914	51	174	1,360	115	1,752	2,281		1914	262	545	1,190	277	902	1,913
	1909	30	84	477	40	530	660		1909	212	400	538	185	473	1,284
Canning and preserving ¹	1919	27	354	550	155	1,129	1,913	Oil and cake, cottonseed.....	1919	200	4,472	70,743	3,337	87,133	102,112
	1914	22	213	423	79	630	1,211		1914	233	4,471	60,772	2,087	36,177	41,945
	1909	19	158	243	45	201	498		1909	194	3,073	45,185	1,206	23,439	29,916
Cars and general shop con- struction and repairs by electric-railroad companies.	1919	18	567	1,713	404	378	925	Optical goods.....	1919	18	105	59	100	197	649
	1914	19	583	2,354	416	268	735		1914	8	29	30	26	88	206
	1909	14	230	529	130	120	278		1909	4	16	15	11	66	115
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	85	16,703	17,233	24,199	14,270	41,487	Paints.....	1919	8	52	316	54	515	1,019
	1914	63	10,915	13,205	7,825	5,978	15,276		1914	8	35	165	21	159	284
	1909	62	9,782	7,335	6,715	5,646	13,359		1909	6	26	82	19	63	114
Cement.....	1919	5	641	10,390	568	1,643	4,743	Patent medicines and com- pounds and druggists' pre- parations. ⁶	1919	68	301	108	208	997	2,506
	1914	4	583	18,150	371	1,264	2,331		1914	61	116	97	52	288	740
	1909	3	362	7,700	261	403	855		1909	59	145	51	62	411	1,014
Clothing, men's ²	1919	32	1,606	412	965	3,715	6,503	Peanuts, grading, roasting, cleaning, and shelling.	1919	9	179	1,257	99	1,704	2,055
	1914	18	1,062	260	394	1,285	2,086		1914	5	66	290	18	198	248
	1909	25	992	359	312	1,007	1,759	Printing and publishing ⁷	1919	1,087	5,594	8,096	6,003	11,126	32,687
Clothing, women's.....	1919	10	192	42	110	415	703		1914	1,188	4,690	6,111	3,557	3,997	15,051
	1914	4	67	20	31	88	155		1909	1,067	4,408	4,392	2,785	2,807	11,587
Coffee, roasting and grinding..	1919	41	258	716	211	0,000	7,851	Rice, cleaning and polishing..	1919	14	423	7,998	414	13,809	17,901
	1914	36	145	619	83	2,553	3,326		1914	16	345	5,365	199	6,366	7,216
	1909	24	135	429	66	1,740	2,226		1909	19	430	6,274	189	7,122	8,142
Confectionery and ice cream..	1919	193	1,950	4,368	1,407	8,229	13,309	Salt.....	1919	3	277	1,656	307	480	1,016
	1914	124	980	1,021	413	2,054	3,594		1914	3	140	809	75	227	425
	1909	49	717	607	218	1,459	2,451		1909	6	162	447	82	216	407
Cooperage.....	1919	9	276	833	245	1,724	2,205	Shipbuilding, wooden, includ- ing boat building.	1919	21	6,068	6,026	7,566	8,323	19,246
	1914	6	218	511	93	595	769		1914	14	168	316	123	279	474
	1909	11	243	346	98	488	719		1909	6	36	21	30	34	76
Copper, tin, and sheet-iron work.	1919	215	740	397	883	2,231	4,207	Slaughtering and meat pack- ing. ⁸	1919	25	5,084	14,096	5,708	106,882	125,364
	1914	247	728	287	561	1,017	2,238		1914	21	3,491	12,313	2,073	44,457	52,990
	1909	168	733	211	632	1,081	2,214		1909	14	3,639	11,330	1,902	37,410	42,530
Cotton goods.....	1919	15	2,633	14,210	1,840	9,315	13,920	Tobacco, cigars.....	1919	42	1,156	3	400	819	1,679
	1914	12	1,875	5,948	675	2,643	3,755		1914	66	344	3	159	240	602
	1909	13	1,590	4,335	501	1,793	2,815		1909	87	339	7	141	182	509
Fertilizers.....	1919	9	190	1,404	190	1,101	1,593	Turpentine and rosin.....	1919	10	1,018	64	696	518	3,301
	1914	8	101	522	63	366	638		1914	6	809	21	207	98	608
	1909	3	9	53	3	49	57		1909	3	219	10	80	42	218
Flour-mill and gristmill prod- ucts.	1919	222	1,567	23,854	1,681	63,400	73,064	Vinegar.....	1919	7	64	37	56	384	782
	1914	191	1,300	19,968	798	29,573	35,110		1914	6	23	69	17	228	455
	1909	238	1,216	20,765	669	28,657	32,485	Wall plaster.....	1919	8	248	1,715	247	297	1,098
Food preparations.....	1919	58	635	3,540	483	14,578	17,389		1914	3	200	1,102	114	170	488
	1914	26	317	1,258	136	3,332	4,052	Wood preserving.....	1919	7	754	3,957	821	4,691	6,265
	1909	23	284	1,322	108	4,580	5,229		1914	6	350	2,950	227	2,641	3,096
Foundry and machine-shop products. ¹	1919	552	5,654	11,765	6,916	14,344	20,386		1909	6	417	1,595	215	3,315	3,859
	1914	177	3,036	7,510	2,108	4,021	8,782	All other industries.....	1919	352	14,487	54,295	17,393	254,607	323,206
	1909	143	2,925	5,287	1,925	3,859	8,068		1914	275	6,779	25,900	4,628	71,910	84,340
Furniture.....	1919	22	710	1,846	684	2,278	4,304		1909	275	5,083	22,437	3,001	28,276	38,857
	1914	25	577	1,848	355	502	1,237								

¹ Includes "canning and preserving, fruits and vegetables," and "pickles, preserves, and sauces."² Includes shirts for 1909.³ Includes "automobile repairing," "iron and steel, welding," and "structural ironwork, not made in steel works or rolling mills," in all years; and "hardware, saddlery," in 1914 and 1909.⁴ Includes "saddlery and harness," and "trunks and valises," but excludes "leather goods, not elsewhere specified."⁵ Includes "boxes, wooden packing," "lumber, planing-mill products"; and "window and door screens."⁶ Includes "perfumery and cosmetics."⁷ Includes "bookbinding and blank-book making," and "engraving, steel and copper plate, including plate printing," but excludes "printing and publishing, music."⁸ Includes "sausage, not made in slaughtering and meat-packing establishments."

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thousands.								Expressed in thousands.		
CITIES OF 50,000 INHABITANTS OR MORE.—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
DALLAS.....	1919	457	7,913	23,197	\$7,963	\$65,503	\$93,650	FORT WORTH.....	1919	229	4,452	14,234	\$5,082	\$25,657	\$38,100
All industries.	1914	412	6,284	15,517	3,464	19,570	31,065	All industries.	1914	180	2,308	7,815	1,542	5,832	9,974
	1909	305	4,882	13,808	2,604	16,906	26,959		1909	147	2,059	6,614	1,285	5,206	8,661
Automobile bodies and parts..	1919	17	224	144	270	347	886	Bread and other bakery	1919	17	173	112	190	945	1,421
	1914	3	16	3	16	17	45	products.	1914	13	85	73	55	202	318
	1909	3	16	3	16	17	45		1909	17	99	101	62	181	314
Bread and other bakery	1919	39	612	653	514	2,698	4,596	Copper, tin, and sheet-iron	1919	8	72	6	49	120	238
products.	1914	35	513	917	257	987	1,939	work.	1914	12	43	8	47	81	175
	1909	21	384	483	116	894	1,498		1909	7	44	8	35	71	150
Clothing, men's.....	1919	9	636	119	400	969	1,819	Foundry and machine-shop	1919	10	412	1,092	527	1,086	1,869
	1914	5	370	107	147	429	727	products.	1914	11	64	224	87	67	180
	1909	3	200	38	55	230	377		1909	9	58	155	40	75	175
Confectionery and ice cream...	1919	15	314	775	215	1,316	2,260	Ice, manufactured.....	1919	9	176	4,434	207	253	888
	1914	15	223	582	103	475	833		1914	9	106	2,543	91	112	292
	1909	14	130	82	102	279	483		1909	6	75	1,615	60	98	269
Copper, tin, and sheet-iron	1919	14	96	70	129	396	681	Marble and stone work.....	1919	4	20	106	25	71	128
work.	1914	20	101	98	81	229	443		1914	6	27	140	19	28	75
	1909	14	130	82	102	279	483	Printing and publishing.....	1919	42	555	844	663	1,436	3,830
Foundry and machine-shop	1919	48	654	1,257	742	1,839	3,989		1914	27	315	576	251	301	1,209
products. ¹	1914	24	756	1,179	500	1,041	2,499		1909	24	213	346	175	178	722
	1909	14	691	1,054	420	1,033	2,130	All other industries.....	1919	139	3,044	7,640	3,431	21,746	29,796
Ice, manufactured.....	1919	11	148	4,136	176	237	805		1914	102	1,668	4,251	1,022	4,951	7,725
	1914	8	130	2,755	76	144	426		1909	84	1,570	4,389	894	4,063	7,031
	1909	7	106	2,771	66	77	276	HOUSTON	1919	383	9,860	31,416	10,402	57,792	86,874
Jewelry.....	1919	7	58	22	98	74	248	All industries.	1914	276	5,007	15,004	3,590	16,124	25,808
	1914	10	35	22	45	25	111		1909	249	5,338	14,866	3,260	14,321	23,016
Lumber and timber products ²	1919	16	244	793	230	580	1,113	Automobile bodies and parts..	1919	7	113	231	112	165	364
	1914	18	190	335	145	419	690		1914	3	9	5	8	13	35
	1909	11	213	405	153	437	720	Bread and other bakery	1919	33	525	450	360	1,999	3,186
Marble and stone work.....	1919	6	60	266	80	122	340	products.	1914	22	291	405	161	631	1,113
	1914	7	57	275	46	116	224		1909	23	221	92	114	412	724
	1909	8	73	208	52	58	160	Carriages and wagons, includ- ing repairs.	1919	3	15	10	14	16	41
Mineral and carbonated	1919	7	51	110	59	339	706		1914	5	21	150	13	14	37
waters.	1914	8	47	31	27	125	219		1909	11	99	68	68	69	201
Optical goods.....	1919	4	39	16	56	88	369	Coffee, roasting and grinding..	1919	5	59	165	44	2,100	2,558
	1914	3	16	14	14	60	130		1914	6	43	175	23	793	1,052
Patent medicines and com- pounds.	1919	10	10	3	7	64	145	Confectionery and ice cream..	1919	9	151	560	162	766	1,014
	1914	14	24	28	12	37	108		1914	9	51	149	25	132	197
Printing and publishing ³	1919	116	961	1,350	1,164	3,221	8,780	Copper, tin, and sheet-iron	1919	24	150	45	180	601	1,106
	1914	122	708	1,018	660	1,145	3,339	work.	1914	22	105	14	79	121	277
	1909	88	731	760	461	802	2,927		1909	21	138	15	98	118	305
All other industries.....	1919	138	3,806	13,477	3,823	53,163	66,913	Food preparations, not else- where specified.	1919	11	94	506	78	2,020	2,874
	1914	120	2,098	8,153	1,275	14,321	19,332		1914	6	57	141	21	181	237
	1909	139	2,354	8,007	1,179	13,156	18,390	Foundry and machine-shop	1919	55	823	2,297	998	2,378	4,571
EL PASO	1919	208	3,912	10,848	3,886	8,862	16,650	products. ¹	1914	24	443	1,726	264	509	1,281
All industries.	1914	117	2,347	6,778	1,663	2,873	6,135		1909	21	488	1,074	208	782	1,444
	1909	88	1,752	3,308	1,093	1,496	3,638	Furniture.....	1919	6	247	691	239	844	1,500
Bread and other bakery	1919	24	154	65	146	656	1,024		1914	4	198	525	118	127	377
products.	1914	15	103	46	60	241	394	Ice, manufactured.....	1919	6	119	2,376	145	141	591
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	4	1,387	910	1,854	977	3,017		1914	4	84	1,651	67	80	309
	1914	4	836	920	642	453	1,321	Lumber and timber prod- ucts. ⁵	1919	15	534	1,186	450	1,131	2,106
Copper, tin, and sheet-iron	1919	7	46	61	46	142	234		1914	13	220	601	114	234	450
work.	1914	4	31	24	33	64	117	Mattresses and spring beds, not elsewhere specified.	1919	12	360	800	211	575	1,081
Foundry and machine-shop	1919	39	446	601	428	598	1,269		1914	6	54	131	43	170	299
products. ⁴	1914	6	178	537	131	190	261		1909	6	35	105	23	62	107
Ice, manufactured.....	1919	4	120	2,615	79	154	516	Mineral and carbonated waters	1919	9	50	59	30	156	334
	1914	3	74	1,505	46	64	236		1914	9	46	91	26	56	109
Jewelry.....	1919	4	12	4	20	13	44	Oil and cake, cottonseed.....	1919	5	276	4,315	235	8,008	9,375
	1914	6	19	8	25	16	60		1914	4	276	3,030	138	2,784	3,185
Lumber, planing-mill prod- ucts, not including plan- ing mills connected with sawmills.	1919	4	151	336	148	236	455		1909	4	269	3,801	109	2,859	3,555
	1914	3	78	210	66	100	211	Patent medicines and com- pounds.	1919	8	17	10	8	26	82
Mineral and carbonated	1919	8	54	50	39	118	228		1914	7	7	2	4	17	117
waters.	1914	4	18	16	11	27	81	Printing and publishing.....	1919	60	575	1,052	717	1,741	4,744
Printing and publishing.....	1919	33	284	238	299	651	1,688		1914	56	552	963	473	528	2,068
	1914	22	208	199	173	152	709	Rice, cleaning and polishing..	1919	5	143	2,905	125	5,128	6,662
All other industries.....	1919	81	1,258	5,968	827	5,317	8,157		1914	6	111	1,756	64	2,109	2,397
	1914	50	802	3,253	476	1,566	2,585	All other industries.....	1919	116	5,915	14,427	6,453	30,393	45,467
									1914	71	3,063	6,455	1,969	7,733	12,529
									1909	113	3,311	8,294	1,979	9,141	14,257

¹ Includes "automobile repairing" and "iron and steel, welding," in all years; and also "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909.

² Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; "window and door screens and weather strips," in 1919.

³ Includes "engraving, steel and copper plate, including plate printing," in all years; and also "bookbinding and blank-book making," in 1919 and 1914.

⁴ Includes "iron and steel, welding," in both years; and "automobile repairing," in 1919.

⁵ Includes "lumber, planing-mill products, not including planing mills connected with sawmills," "boxes, wooden packing," and "window and door screens and weather strips" in all years.

MANUFACTURES—TEXAS.

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TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
SAN ANTONIO..... All industries.	1919 1914 1909	318 239 194	6,614 4,083 3,105	13,040 8,859 6,908	\$5,794 2,412 1,760	\$22,249 10,090 6,952	\$35,456 17,849 13,435	SAN ANTONIO—Con.							
Bread and other bakery prod- ucts.	1919 1914 1909	43 31 32	212 205 135	211 114 102	221 105 76	1,066 360 307	1,566 610 565	Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills.	1919 1914 1909	6 8 7	210 165 138	502 484 360	\$184 105 89	\$338 351 104	\$721 549 237
Cars and general shop con- struction and repairs by steam-railroad companies.	1919 1914 1909	3 3 3	1,215 615 557	627 139 243	1,645 395 416	678 412 253	2,455 840 736	Marble and stone work.....	1919 1914 1909	7 6 5	36 63 64	134 125 65	46 40 45	56 43 20	137 124 98
Coffee, roasting and grinding..	1919 1914	8 5	15 21	55 46	15 13	367 160	487 207	Mattresses and spring beds, not elsewhere specified.	1919 1914	10 7	25 24	38 45	16 13	92 41	134 66
Confectionery and ice cream..	1919 1914	11 8	337 237	617 140	233 88	1,006 406	1,805 694	Mineral and soda waters.....	1919 1914	9 5	172 23	2,281 17	259 12	870 62	1,581 122
Copper, tin, and sheet-iron work.	1919 1914 1909	11 11 7	50 79 53	35 15 15	60 54 39	85 72 41	199 175 108	Oil and cake, cottonseed.....	1919 1914	3 4	105 146	1,435 910	81 61	1,835 1,060	2,084 1,265
Foundry and machine-shop products. ¹	1919 1914 1909	26 15 7	556 348 230	759 461 217	304 231 139	1,576 581 160	2,814 1,059 399	Patent medicines and com- pounds.	1919 1914 1909	7 3 3	32 3 5	11 5	19 1	39 8	77 27
Ice, manufactured.....	1919 1914 1909	7 6 4	225 124 54	1,442 913 227	204 63 33	920 220 53	692 271 168	Printing and publishing.....	1919 1914 1909	55 48 39	681 391 383	642 398 328	575 305 219	1,006 336 217	2,859 1,433 982
								All other industries.....	1919 1914 1909	112 79 90	2,743 1,639 1,491	4,251 5,047 5,351	1,632 926 704	13,015 6,106 5,797	17,845 10,407 10,142
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.															
ABILENE.....	1919 1914	22 18	130 107	469 502	\$106 69	\$452 165	\$766 311	PALESTINE.....	1919 1914 1909	17 20 20	1,084 648 745	1,960 1,302 1,200	\$1,353 504 481	\$1,163 584 622	\$2,810 1,222 1,313
AMARILLO.....	1919 1914	42 36	496 311	1,612 1,791	673 255	308 509	1,897 986	PARIS.....	1919 1914 1909	52 42 45	939 513 641	3,788 2,220 2,489	711 272 247	3,874 1,538 862	6,080 2,284 1,430
AUSTIN.....	1919 1914 1909	91 114 108	745 891 754	3,302 4,824 2,211	699 611 415	2,867 1,714 2,846	4,096 3,371 2,846	SAN ANGELO.....	1919 1914 1909	30 30 26	144 161 115	743 937 608	137 104 71	193 267 133	454 493 318
BEAUMONT.....	1919 1914 1909	69 67 56	1,585 1,073 863	7,265 5,580 4,596	1,975 674 645	10,323 3,442 4,831	14,022 5,191 4,831	SHERMAN.....	1919 1914 1909	53 36 36	871 389 273	4,314 2,366 2,150	699 221 136	16,072 5,894 4,047	19,176 7,025 4,076
BROWNSVILLE.....	1919 1914 1909	18 14 9	119 76 51	770 486 414	91 25 19	339 74 46	505 167 121	TEMPLE.....	1919 1914 1909	45 37 37	412 342 306	1,841 1,566 1,016	467 237 215	1,799 958 834	2,839 1,452 1,346
CLEBURNE.....	1919 1914 1909	33 26 24	1,127 886 825	1,757 1,641 1,499	1,496 654 533	1,387 1,359 1,577	3,335 2,240 1,577	TEXARKANA.....	1919 1914	38 29	802 955	3,519 2,669	788 514	2,500 1,115	4,474 1,994
DENISON.....	1919 1914 1909	42 30 20	1,084 954 833	3,806 3,652 2,306	1,580 609 516	3,027 1,175 593	5,078 2,069 1,314	TYLER.....	1919 1914 1909	33 20 23	732 506 484	2,289 1,332 769	598 313 288	1,251 449 536	2,616 897 996
GALVESTON.....	1919 1914 1909	118 116 81	1,416 1,410 1,094	7,643 7,664 3,633	1,692 955 6,303	10,581 6,716 6,303	14,970 8,692 6,303	WACO.....	1919 1914 1909	134 125 92	1,362 1,125 1,033	4,981 5,452 3,669	1,272 699 588	8,294 3,583 2,965	13,085 5,612 4,769
LAREDO.....	1919 1914 1909	30 28 23	303 270 213	584 530 363	238 105 87	267 144 74	705 345 221	WICHITA FALLS.....	1919 1914	69 31	932 377	3,519 2,035	1,343 254	11,665 1,915	16,832 2,573
MARSHALL.....	1919 1914 1909	24 28 22	1,670 1,166 977	1,533 1,968 1,326	2,119 691 653	4,269 1,066 803	6,904 2,099 1,787								

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

ABILENE.....	1919	22	130	469	\$106	\$452	\$766	PALESTINE.....	1919	17	1,084	1,900	\$1,353	\$1,103	\$2,810
	1914	18	107	502	69	165	311		1914	20	648	1,302	504	584	1,222
	1909								1909	20	745	1,209	481	622	1,313
AMARILLO.....	1919	42	496	1,612	673	808	1,897	PARIS.....	1919	52	939	3,788	711	3,974	6,080
	1914	36	311	1,791	255	599	986		1914	42	513	2,220	272	1,538	2,284
	1909								1909	45	541	2,489	247	802	1,430
AUSTIN.....	1919	91	745	3,302	699	2,867	4,996	SAN ANGELO.....	1919	30	144	743	137	193	454
	1914	114	891	4,824	611	1,714	3,371		1914	30	161	937	104	267	499
	1909	108	754	2,211	415	1,627	2,846		1909	26	115	608	71	133	318
BEAUMONT.....	1919	69	1,585	7,265	1,975	10,323	14,922	SHERMAN.....	1919	53	871	4,314	699	16,072	19,176
	1914	67	1,073	5,580	674	3,442	5,191		1914	36	389	2,366	221	5,864	7,028
	1909	56	803	4,596	645	3,444	4,831		1909	36	273	2,150	130	4,047	4,676
BROWNSVILLE.....	1919	18	119	770	91	339	505	TEMPLE.....	1919	45	412	1,841	467	1,799	2,839
	1914	14	76	486	25	74	167		1914	37	342	1,566	237	958	1,452
	1909	9	51	414	19	46	121		1909	37	366	1,616	215	834	1,346
CLEBURNE.....	1919	33	1,127	1,757	1,496	1,387	3,335	TEXARKANA.....	1919	38	802	3,519	788	2,590	4,474
	1914	26	889	1,541	654	1,359	2,246		1914	29	955	2,669	514	1,115	1,994
	1909	24	825	1,499	533	859	1,577	TYLER.....	1919	33	732	2,289	898	1,251	2,616
DENISON.....	1919	42	1,084	3,806	1,580	3,027	5,078		1914	20	506	1,332	313	449	897
	1914	30	954	3,652	609	1,175	2,069		1909	23	484	769	288	536	996
	1909	29	833	2,306	516	593	1,314	WACO.....	1919	134	1,362	4,981	1,272	8,294	13,085
GALVESTON.....	1919	118	1,416	7,643	1,692	10,581	14,079		1914	125	1,125	5,452	699	3,583	5,612
	1914	116	1,410	7,504	955	5,716	8,692		1909	92	1,033	3,669	588	2,965	4,769
	1909	81	1,094	3,633	707	4,267	6,308	WICHITA FALLS.....	1919	69	932	3,519	1,343	11,665	16,832
LAREDO.....	1919	30	303	584	238	267	705		1914	31	377	2,035	254	1,915	2,573
	1914	28	270	530	105	144	345								
	1909	23	213	353	87	74	221								
MARSHALL.....	1919	24	1,670	1,533	2,119	4,269	6,904								
	1914	28	1,166	1,963	691	1,066	2,099								
	1909	22	977	1,326	653	803	1,787								

¹ Includes "automobile repairing."

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	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.				Total.	16 and over.		Under 16.		
					Male.	Fe-male.	Average number.	Number, 15th day of—		Male.		Fe-male.	Male.	Fe-male.		
								Maximum month.	Minimum month.							

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

															Dollars.
1	All industries.....	5,724	130,911	5,303	6,104	9,204	2,688	107,522	De 114,416	Ap 101,390	(*)	(*)	(*)	(*)	585,776,451
2	Artificial limbs.....	4	19	4	2	1	2	10	No 4	Ja 9	11	10	1	.....	30,000
3	Artificial stone products.....	23	391	24	14	8	5	340	Se 330	Ja 301	364	362	2	.....	415,933
4	Automobile bodies and parts.....	72	920	85	30	12	13	480	De 573	Fe 412	581	500	17	.....	975,356
5	Automobile repairing.....	334	1,856	448	86	42	26	1,254	Oc 1,340	Ja 1,133	1,373	1,353	8	12	2,881,206
6	Awnings, tents, and sails.....	13	170	14	12	23	2	128	My 140	Ja 115	129	47	82	.....	689,927
7	Bags, other than paper, not including bags made in textile mills.	6	463	2	14	38	37	372	Je 456	Mh 306	391	121	270	.....	2,748,517
8	Bookbinding and blank-book making.	8	176	7	4	3	3	159	De 171	Fe 153	170	34	136	.....	130,102
9	Boots and shoes.....	11	112	12	9	1	2	88	Oc 95	Ja 82	96	90	5	1	227,309
10	Boxes, wooden packing, except cigar boxes.	19	1,182	12	45	16	8	1,101	Au 1,189	Ja 995	1,192	998	189	5	2,249,136
11	Brass and bronze products.....	7	150	5	12	9	2	122	Oc 136	Je 110	125	111	.....	14	250,090
12	Bread and other bakery products.....	610	4,101	725	162	323	139	2,752	De 3,110	Fe 2,521	3,150	2,273	843	28	8,008,449
13	Brick and tile, terra-cotta, and fire-clay products.	58	1,905	24	125	71	22	1,063	.....	.....	1,900	1,891	7	2	6,682,576
14	Building brick, fancy, ornamental, vitrified, glazed, and enameled.	47	1,351	19	94	43	2	1,103	Au 1,407	Ja 698	1,370	1,308	.....	2	5,033,571
15	Terra-cotta products.....	7	200	3	16	6	6	169	Au 251	Ja 97	220	220	.....	.....	782,547
16	All other.....	4	354	2	15	22	14	301	Au 341	De 234	310	303	7	.....	866,458
17	Brooms, from broom corn.....	45	319	43	22	25	4	225	De 261	Mh 205	255	226	26	2	542,908
18	Butter.....	31	326	26	25	46	29	200	Au 229	Ja 164	210	178	31	1	1,815,106
19	Canning and preserving, fruits and vegetables.	9	164	8	16	16	4	120	Je 238	Fe 53	198	75	123	.....	530,757
20	Carriages and wagons, including repairs.	15	126	19	5	2	2	98	.....	.....	99	98	.....	1	204,803
21	Carriages and wagons.....	5	82	6	4	1	1	70	My 72	Mh 66	70	69	.....	1	161,194
22	Repair work exclusively.....	10	44	13	1	1	1	28	Ap 29	Fe 24	29	29	.....	.....	43,609
23	Cars and general shop construction and repairs by electric-railroad companies.	18	601	.....	23	10	1	567	De 598	Mh 550	614	613	1	.....	1,204,411
24	Cars and general shop construction and repairs by steam-railroad companies.	85	17,740	.....	531	405	101	16,703	De 17,622	Ja 15,809	17,623	17,616	6	1	26,968,028
25	Cement.....	5	741	.....	33	54	13	641	No 688	Fe 562	677	677	.....	.....	9,448,086
26	Chemicals.....	9	249	.....	22	60	17	150	Oc 169	Ja 123	165	149	4	12	2,139,701
27	Cleansing and polishing preparations.	13	49	15	2	5	5	22	Je 24	Mh 19	24	20	4	.....	49,224
28	Clothing, men's.....	32	1,782	18	59	72	27	1,666	.....	.....	1,814	219	1,595	.....	3,304,412
29	Men and youths.....	11	339	5	16	9	6	303	No 354	Fe 250	329	93	230	.....	279,386
30	All other.....	21	1,443	13	43	63	21	1,303	De 1,423	Mh 1,164	1,455	126	1,369	.....	3,025,020
31	Clothing, women's.....	10	229	8	15	11	3	192	No 240	Ja 149	241	12	227	2	401,164
32	Coffee, roasting and grinding.....	41	432	28	36	91	19	258	No 275	Ap 236	259	151	108	.....	2,003,596
33	Coffins, burial cases, and undertakers' goods.	5	347	.....	9	37	7	294	Ja 363	Se 250	276	248	28	.....	1,182,565
34	Confectionary and ice cream.....	193	2,563	128	143	234	108	1,950	.....	.....	1,966	1,223	723	18	5,988,120
35	Confectionery.....	92	1,332	14	74	184	75	1,185	No 1,345	Jy 1,026	1,255	611	636	8	3,275,177
36	Ice cream.....	101	1,031	114	69	50	33	705	Jy 929	Ja 576	711	612	87	10	2,712,943
37	Cooperage.....	9	307	7	15	7	2	270	No 309	Mh 221	309	309	.....	.....	1,568,079
38	Copper, tin, and sheet-iron work.	215	1,075	253	40	27	15	740	No 898	Ja 652	786	703	8	14	1,784,172
39	Cotton goods.....	3	12	.....	62	20	15	2,633	Ja 2,812	Oc 2,538	2,592	1,606	973	2	10,188,487
40	Dental goods.....	3	12	.....	.....	.....	.....	.....	Se 8	Ap 6	8	7	1	.....	26,133
41	Druggists' preparations.....	9	145	1	16	14	5	109	Se 132	Ja 74	115	54	61	.....	400,333
42	Electrical machinery, apparatus, and supplies.	6	44	3	5	1	2	33	No 39	Je 28	37	37	.....	.....	149,140
43	Electroplating.....	6	25	8	.....	.....	1	16	De 19	Fe 12	19	19	.....	.....	12,631
44	Engines, steam, gas, and water.....	3	32	.....	2	3	.....	27	Se 31	Fe 24	27	27	.....	.....	242,707
45	Engraving, steel and copper plate, including plate printing.	6	66	9	.....	.....	5	50	De 70	Jy 42	70	41	29	.....	111,221
46	Fertilizers.....	9	222	3	21	6	2	190	Jy 277	Oc 119	351	351	.....	.....	963,528
47	Flavoring extracts.....	3	16	4	2	.....	1	9	(*) 9	(*) 9	9	8	1	.....	21,727
48	Flour-mill and gristmill products.	222	2,403	229	237	314	56	1,567	De 1,791	Je 1,394	1,739	1,784	3	2	40,453,216
49	Food preparations, not elsewhere specified.	58	895	47	70	110	33	635	.....	.....	712	523	188	1	7,250,914
50	Macaroni, vermicelli, noodles, etc.	8	134	5	11	13	3	102	De 123	Je 84	122	58	64	.....	340,558
51	Sweetening sirups, other than cane.	8	14	9	.....	.....	.....	5	Se 15	Fe 2	15	15	.....	.....	18,155
52	Other food products—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
53	For human consumption.....	30	520	19	40	58	11	392	Je 451	Oc 331	420	296	123	1	4,763,039
54	For animals and fowls.....	12	227	14	19	39	19	136	De 155	Fe 117	155	154	1	.....	2,123,162
55	Foundry and machine-shop products.	181	4,647	158	238	322	74	3,855	.....	.....	4,307	4,256	17	34	18,393,718
56	Boiler shops.....	18	384	18	17	5	3	341	Do 391	Ja 299	385	385	.....	.....	1,015,909
57	Foundries.....	11	407	8	24	20	3	352	No 408	Ap 311	390	300	.....	.....	1,351,334
58	Machine shops.....	139	3,244	120	173	273	61	2,617	De 2,907	Ja 2,479	2,982	2,961	17	4	14,521,917
59	Machine shops and foundries combined.	13	612	12	24	24	7	545	Se 563	Je 528	550	550	.....	.....	1,504,498
60	Furniture.....	22	819	14	39	45	11	710	.....	.....	731	684	47	.....	2,648,118
61	Wood, other than rattan and willow.	15	688	9	26	40	10	603	Au 641	Ja 574	617	570	47	.....	2,229,292
62	Store and office fixtures.....	7	131	5	13	5	1	107	No 116	Ja 89	114	114	.....	.....	418,826
63	Gas, illuminating and heating.....	25	876	1	62	108	62	643	De 693	Je 597	688	685	2	1	15,404,524

* Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- ed. ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 15,795,103	Dollars. 15,703,875	Dollars. 116,403,800	Dollars. 3,067,813	Dollars. 2,271,014	Dollars. 13,641,212	Dollars. 678,278,642	Dollars. 22,892,256	Dollars. 999,995,706	Dollars. 298,824,898	443,207	248,653	32,718	36,579	2,405	122,852	56,014	1
6,308	5,093	14,032	2,081	157	20,747	253	65,437	44,437	9	9	50	88	124	9	2	2	2
27,333	16,943	230,227	1,805	3,248	2,597	211,871	4,247	573,395	357,277	262	262	262	262	262	262	262	3
51,817	25,741	557,163	600	60,705	18,695	736,417	16,433	1,881,349	1,128,499	626	626	626	626	626	626	626	4
147,831	61,704	1,468,665	2,569	200,953	41,465	2,111,978	73,444	5,301,804	3,116,382	1,693	1,693	1,693	1,693	1,693	1,693	1,693	5
28,056	47,614	87,965	6,651	7,027	936,621	2,330	1,308,062	369,111	84	84	84	84	84	84	84	84	6
66,384	89,623	251,650	7,151	89,505	7,018,975	7,986	7,909,765	882,804	313	313	313	313	313	313	313	313	7
9,650	19,800	85,027	4,379	1,477	141,063	1,725	309,902	167,114	64	64	64	64	64	64	64	64	8
15,755	2,520	93,084	5,220	51,994	146,606	2,424	360,927	211,897	56	56	56	56	56	56	56	56	9
120,656	28,069	627,427	3,615	5,520	29,121	1,580,928	9,332	3,428,162	1,837,902	5,682	1,671	2,000	4	2,007	72	10	10
46,020	16,980	138,793	8,035	13,579	992,341	24,096	1,466,867	450,430	249	249	249	249	249	249	249	249	11
264,411	541,000	2,502,208	8,810	254,180	219,090	12,298,613	401,559	20,154,202	7,454,030	2,792	698	5	153	7	1,929	598	12
255,397	121,330	1,335,884	18,190	3,139	173,866	428,738	905,316	4,166,571	2,832,517	9,093	8,001	5	205	205	881	250	13
188,847	59,538	961,597	18,190	1,592	164,168	276,008	661,920	3,204,020	2,266,092	6,406	5,591	156	659	245	14	14	14
27,552	13,237	112,352	1,547	3,631	30,863	70,163	275,361	174,335	1,855	1,810	5	40	5	5	15	15	15
38,998	48,555	201,935	6,067	121,837	173,233	867,190	362,090	832	832	832	832	832	832	832	832	832	16
33,764	37,558	198,738	4,898	7,038	725,969	7,044	1,246,690	513,677	228	228	228	228	228	228	228	228	17
55,008	90,732	201,822	7,340	64,369	5,904,093	61,955	7,161,208	1,195,160	953	275	275	275	275	275	275	275	18
37,491	22,370	44,934	205	3,621	385,204	5,532	616,070	225,934	284	77	80	4	123	123	123	123	19
8,920	1,985	92,611	3,960	2,425	101,714	4,926	280,600	173,900	96	96	96	96	96	96	96	96	20
7,420	300	59,643	1,740	1,660	81,704	3,220	184,039	99,115	55	55	55	55	55	55	55	55	21
1,500	1,685	32,968	2,220	765	20,010	1,706	96,561	74,845	41	41	41	41	41	41	41	41	22
43,181	10,310	493,592	8,829	364,165	13,628	924,564	546,771	1,713	1,713	1,713	1,713	1,713	1,713	1,713	1,713	1,713	23
1,419,600	1,268,026	24,199,080	252	1,400	172,189	12,990,983	1,279,038	41,486,703	27,216,682	17,233	8,056	200	565	300	8,112	4,966	24
126,500	135,479	567,650	12,667	6,188	67,144	480,781	85,581	1,394,354	821,992	1,057	291	40	5,365	7,909	5	25	25
57,294	106,398	155,749	1,000	4,128	319	48,427	2,193	116,768	66,138	117	117	117	117	117	117	117	26
2,820	8,140	20,175	41,020	39,288	3,692,362	22,182	6,587,749	2,853,205	412	412	412	412	412	412	412	412	27
186,036	151,634	965,160	14,783	8,693	474,592	4,445	1,025,949	546,912	38	38	38	38	38	38	38	38	28
56,036	14,724	242,076	26,237	30,695	3,217,770	17,737	5,541,800	2,306,293	374	374	374	374	374	374	374	374	29
130,047	136,910	723,034	319	8,380	410,602	4,077	703,143	283,464	42	42	42	42	42	42	42	42	30
43,080	17,614	109,590	23,985	59,772	5,906,086	34,174	7,850,648	1,850,358	716	716	716	716	716	716	716	716	31
87,424	201,047	210,592	306	60,925	721,022	1,380	1,470,388	747,984	731	731	731	731	731	731	731	731	32
68,497	77,998	291,813	141,558	437,044	7,001,263	267,631	13,309,435	5,080,541	4,368	1,079	350	2,939	167	34	34	34	33
443,966	506,289	1,406,599	12,620	141,558	437,044	7,001,263	267,631	13,309,435	5,080,541	4,368	1,079	350	2,939	167	34	34	33
250,038	420,183	883,676	92,645	310,016	4,611,782	70,925	7,731,873	3,049,166	776	776	776	776	776	776	776	776	35
193,928	86,106	722,923	12,620	49,013	127,028	196,706	5,577,562	2,031,375	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	36
67,831	18,120	245,025	2,953	19,151	1,711,553	11,958	2,205,269	481,758	833	833	833	833	833	833	833	833	37
84,092	45,092	883,000	0,404	54,124	18,015	2,213,393	17,410	4,206,506	1,975,703	397	397	397	397	397	397	397	38
188,860	49,857	1,840,264	2,704	527,831	8,987,812	327,081	13,919,603	4,604,710	14,210	4,785	800	8,625	15	39	39	39	39
46,126	58,275	88,701	7,229	2,149	27,840	177,006	2,738	770,506	589,862	46	46	46	46	46	46	46	40
13,500	3,668	45,763	2,520	1,271	90,457	1,709	174,877	82,711	98	98	98	98	98	98	98	98	41
5,096	728	18,327	337	3,850	92	5,269	1,774	41,933	34,900	48	48	48	48	48	48	48	42
3,770	28,085	45,678	1,890	33,968	46,464	2,020	99,904	63,916	97	97	97	97	97	97	97	97	43
4,740	45,678	45,678	4,424	534	46,464	2,020	99,904	63,916	15	15	15	15	15	15	15	15	44
41,735	7,849	189,676	1,205	10,749	6,242	1,070,001	30,775	1,592,718	491,942	1,404	405	999	46	47	47	47	45
3,000	100	5,712	960	184	18,414	56	48,057	29,587	4	4	4	4	4	4	4	4	46
607,532	557,385	1,680,663	15,957	22,474	668,418	62,884,614	515,057	73,064,361	9,664,690	23,854	8,296	5,694	828	9,036	1,674	48	48
167,799	255,923	483,324	22,327	80,581	14,473,081	105,235	17,389,049	2,810,733	3,546	3,546	3,546	3,546	3,546	3,546	3,546	3,546	49
19,240	25,063	55,180	4,344	3,324	344,116	8,958	529,287	176,213	256	256	256	256	256	256	256	256	50
95,020	153,321	209,175	4,128	40,077	9,357,104	82,296	11,386,866	1,947,466	2,076	1,420	250	406	134	52	52	52	51
53,539	77,539	125,719	13,055	37,100	4,751,170	12,281	5,438,223	674,772	1,044	80	1,157	964	1,771	53	53	53	53
750,135	701,851	4,825,468	56,926	618,608	9,572,229	425,376	20,524,445	10,525,840	9,450	1,815	40	6,438	1,771	54	54	54	54
66,173	11,766	513,198	51,516	9,826	734,834	19,084	1,699,359	915,435	946	1,218	125	1,093	56	56	56	56	55
112,717	34,946	462,712	128	6,966	111,629	99,736	2,335,555	1,104,503	1,218	1,218	1,218	1,218	1,218	1,218	1,218	1,218	56
500,393	607,240	3,167,433	105,007	40,300	6,623,382	238,905	14,045,297	7,183,110	6,221	1,468	40	1,011	3,742	1,771	57	57	57
70,847	47,899	682,115	420	45,451	1,082,697	67,761	2,474,240	1,329,792	1,065	222	40	11	792	792	792	792	58
113,817	99,797	684,380	3,072	11,048	128,812	2,246,269	32,225	4,393,906	2,115,412	1,846	618	40	14	1,174	1,174	1,174	59
78,832	92,055	551,418	7,800	115,005	2,005,001	27,223	3,845,913	1,810,689	1,695	518	40	5	1,132	1,132	1,132	1,132	60
34,965	7,742	132,962	3,072	3,248	13,807	241,268	5,002	550,993	304,723	151	100	9	42	42	42	42	61
135,811	161,087	627,976	28,324	5,784	211,523	346,899	1,239,910	3,613,995	2,027,186	3,622	1,887	1,194	125	416	62	62	62

* No figures given for reason stated under "Explanation of terms." † Same number reported for one or more other months. ‡ Same number reported throughout the year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	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.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																	Dollars.
1	Glass, cutting, staining, and ornamenting.	8	50	7	3	3	2	35	Au	41	Ja ^s	32	38	37	1		115,363
2	Grease and tallow, not including lubricating greases.	3	17	2	1			14	(4)	14	(4)	14	14	14			43,021
3	Hand stamps.	6	22	4	2			16	De ^s	17	Fe	13	14	13	1		27,897
4	Hats and caps, other than felt, straw, and wool.	3	31	1	4		2	24	Se	26	Mh ^s	22	24	11	13		76,360
5	Ice, manufactured.	265	3,168	140	357	250	59	2,362	Au	3,305	Ja	1,527	2,252	2,239	4	9	20,265,185
6	Iron and steel, welding.	23	126	32	2	3	4	85	Jy ^s	94	Ja ^s	75	88	87	1		129,570
7	Jewelry.	19	123	17	4		4	93	De ^s	105	Fe	93	102	100	1	1	235,260
8	Leather, tanned, curried, and finished.	3	27	2	5	1	1	18	De	38	Fe	6	38	31	7		92,226
9	Lime.	7	264	7	18	11	2	226	No	319	Ja ^s	171	318	318			808,866
10	Liquors, malt.	6	350	1	24	32	7	286	Jy	378	De	179	205	203	2		5,559,659
11	Lumber and timber products.	457	19,041	430	502	606	144	17,359	De	20,023	Ja	15,285	21,135	21,078	37	20	47,282,312
12	Lumber, planing-mill products, not including planing mills connected with sawmills.	130	2,205	120	123	149	34	1,779	Oc	2,030	Fe	1,524	1,958	1,948	4	6	6,905,979
13	Marble and stone work.	126	638	150	30	38	11	459					501	499	2		1,478,806
14	Monuments and tombstones.	113	573	137	25	34	9	368	De	382	Fe	346	388	386	2		1,103,445
15	Other marble and stone work, except slate.	13	115	13	5	4	2	91	Au ^s	107	Ja	94	113	113			375,421
16	Mattresses and spring beds, not elsewhere specified.	86	643	102	38	57	15	431	De	516	Ja	355	527	411	113	3	1,685,812
17	Mineral and soda waters.	258	1,410	300	86	112	32	880	Au	1,194	Ja	567	901	825	34	41	5,086,813
18	Mirrors, framed and unframed, not elsewhere specified.	3	9	3				6	Oc ^s	8	Au ^s	4	7	7			7,238
19	Oil and cake, cottonseed.	200	5,654	77	666	393	46	4,472	No	6,897	Je	2,264	7,361	7,247	46	68	45,780,010
20	Oil, not elsewhere specified.	4	188	2	5	10		171	De	251	Jy	120	177	37	140		677,725
21	Optical goods.	18	168	12	16	16	19	105	No ^s	114	Ja	91	109	93	16		441,141
22	Paints.	8	92	5	11	18	6	52	No	62	Ja	38	55	52	3		432,172
23	Patent medicines and compounds.	52	340	64	32	49	18	177					220	166	58	2	736,690
24	Patent and proprietary medicines.	30	176	25	21	32	11	87	Je	98	Oc	75	98	47	49	2	551,401
25	Patent and proprietary compounds, not elsewhere specified.	22	164	39	11	17	7	90	Je	116	De	84	128	119	9		185,289
26	Paving materials.	11	258	6	17	6	7	222	Au	254	Ja	193	256	256			1,171,317
27	Peanuts, grading, roasting, cleaning, and shelling.	9	213	5	18	6	5	179	De	228	Oc	121	161	81	80		1,100,034
28	Perfumery and cosmetics.	7	40	3	9	12	1	15	Au	18	Ja ^s	13	15	7	8		120,849
29	Petroleum, refining.	39	9,767	10	252	1,017	264	8,224	De	9,280	Ja	6,724	9,204	3,963	241		153,227,300
30	Photo-engraving not done in printing establishments.	10	139	11	8	25	6	89	No	100	Ja	67	99	97	2		183,325
31	Pickles, preserves, and sauces.	18	318	12	18	39	15	234					206	146	150		865,523
32	Preserves.	6	38	4	2		1	31	Au	113	(5)	0	87	35	52		130,757
33	Pickles and sauces.	12	280	8	16	39	14	203	Se	268	Ja	158	209	111	98		734,766
34	Pottery, earthen and stone ware.	10	58	13	2	1	2	40	Jy	62	Ja	22	46	44	2		162,039
35	Printing and publishing, book and job.	308	3,254	324	184	338	150	2,258					2,428	1,814	585	25	7,370,350
36	Job printing.	285	3,106	308	167	297	134	2,200	Oc	2,381	Ja	2,062	2,380	1,753	579	24	6,942,554
37	Book publishing and printing.	13	87	7	14	39	10	11	Fe	22	De ^s	5	20	14	6		284,345
38	Linotype work, typesetting, etc.	10	61	9	3	2		47	Fe ^s	48	Mh ^s	46	48	47		1	143,400
39	Printing and publishing, newspapers and periodicals.	765	6,153	809	463	1,316	438	3,127					3,319	2,822	343	146	12,535,954
40	Printing and publishing.	67	2,552	40	167	814	237	1,294	No	1,399	My	1,233	1,349	1,232	71	46	5,746,317
41	Printing and publishing and job printing.	598	3,369	695	252	443	159	1,820	No	1,944	Fe	1,712	1,957	1,582	267	100	8,660,561
42	Publishing without printing.	100	232	74	44	59	42	13	Fe	14	Je ^s	12	13	8	5		123,076
43	Rice, cleaning and polishing.	14	604	1	70	98	12	423	No	675	Au	176	630	601	29		6,946,909
44	Rubber tires, tubes, and rubber goods, not elsewhere specified.	6	90	8	14	13	7	57	Se	90	Fe	19	68	64	4		505,139
45	Saddlery and harness.	68	1,269	84	64	159	43	919	No	943	Ja	873	934	863	71		4,711,974
46	Salt.	3	398	5	13	12	1	277	Se	336	No	222	333	298	35		1,048,991
47	Sausage, not made in slaughtering and meat-packing establishments.	6	24	6	2	4		12	De ^s	19	Ja ^s	9	10	19			52,784
48	Shipbuilding, wooden, including boat building.	21	6,375	19	73	170	45	6,068					4,900	4,880	15	5	4,781,442
49	Small boats.	17	6,348	17	72	170	45	6,044	Fe	9,627	De	3,660	4,873	4,853	15	5	4,700,766
50	Yards engaged entirely on repair work.	4	27	2	1			24	No	28	Fe	22	27	27			80,676
51	Show cases.	4	84	3	3	3	1	74	De ^s	77	Fe	70	75	75			194,952
52	Signs and advertising novelties.	7	46	3	5	9	1	28	Oc ^s	39	Jy	19	44	44			141,633
53	Slaughtering and meat packing.	19	6,558	2	236	1,012	236	5,072	Ja	6,645	Mh	4,460	5,204	4,594	610		21,325,101
54	Structural ironwork, not made in steel works or rolling mills.	14	587	8	47	61	11	460	De	491	Fe	424	511	511			1,932,303
55	Tobacco, cigars.	42	1,230	43	9	22	9	1,156	De	1,542	Ja	949	1,517	182	1,365		1,233,072
56	Trunks and valises.	12	176	13	21	15	2	125	De	135	Ja	91	135	126	9		226,387

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).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks. etc.	Wage earners.		Rent of factory.	Taxes. Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
										Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent. ²	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 4,600	Dollars. 3,543	Dollars. 46,463	Dollars.	Dollars. 6,120	Dollars. 757	Dollars. 73,764	Dollars. 2,041	Dollars. 163,457	Dollars. 82,652	92						92		1
2,400		13,730	.....	65	357	12,090	3,490	43,439	27,259	48	43					5		2
3,600		22,484	5,050	3,750	349	19,352	693	76,694	56,649	8						8		3
7,990	1,280	22,478	.....	3,222	1,017	41,814	1,306	102,019	58,899	12	6					6	5	4
675,413	309,033	2,222,930	59,519	18,788	442,743	1,250,185	1,894,730	9,811,061	6,666,146	55,879	42,094	1,933	5,664	210	5,378	2,793	5	6
4,116	5,660	115,103	475	11,621	1,057	52,566	8,660	313,766	252,541	90					90		7	6
17,420	2,760	154,336	1,275	10,254	987	130,760	1,516	419,018	286,752	43					43		7	6
8,940	1,425	18,464	.....	240	94	57,608	1,020	90,297	31,669	127			8		119		8	8
37,536	17,120	227,206	1,888	300	8,412	189,479	133,581	797,882	474,822	596	535		6		55	10	9	10
96,411	75,416	333,894	428	6,070	332,687	904,151	176,319	2,143,102	1,062,632	4,476	3,340		850		280	1,722	10	9
1,339,426	911,335	17,900,512	592,707	34,721	1,509,201	15,419,114	271,555	47,884,281	32,193,612	76,025	71,587	2,047	173	43	2,175	2,679	11	11
294,908	247,494	1,863,038	24,492	27,208	153,616	5,220,173	69,009	9,792,439	4,503,257	5,821	2,674	100	408	.....	2,639	90	12	12
48,779	61,121	538,664	26,600	12,365	23,336	837,086	44,815	2,159,465	1,277,564	1,821	190		518	.....	1,113	5	13	14
39,900	52,879	443,177	26,296	11,472	16,056	743,815	40,274	1,824,003	1,039,914	1,336			406	.....	930	5	14	14
8,879	8,242	95,487	364	893	7,280	93,271	4,541	335,462	237,650	485	190		112	.....	183		15	15
73,957	115,480	332,179	2,408	23,295	29,407	1,732,486	24,025	2,010,316	1,153,805	1,029	6		82	.....	941	5	16	16
182,660	192,102	831,002	5,494	54,526	289,906	3,215,865	120,249	6,359,701	3,023,587	3,470	1,145	1,118	231	3	973	756	17	17
		6,338	.....	1,320	55	12,508	253	25,150	12,389	4					4		18	18
1,288,968	507,751	3,336,661	705,668	21,467	777,762	85,628,467	1,504,521	102,111,850	14,978,862	70,743	47,551	1,375	5,885	1,000	14,932	4,646	19	20
13,444	9,664	40,008	.....	3,080	6,008	528,032	9,330	652,023	114,661	592	550		4		38		21	21
49,516	45,815	99,748	.....	29,222	33,364	192,164	4,484	649,159	452,511	59					59		22	22
41,908	30,002	54,335	.....	5,840	34,149	508,944	5,636	1,019,069	504,489	316					316		23	23
64,049	84,446	107,583	10,796	15,654	32,072	645,875	1,162	1,455,162	808,125	58			11		47		24	24
47,844	60,295	61,094	460	9,456	30,412	512,943	500	1,124,758	611,315	24			2		22		25	25
16,205	24,151	46,489	10,346	6,198	1,660	132,932	602	330,404	196,810	34			9				26	26
30,863	18,072	207,539	.....	19,553	2,314	62,032	33,744	447,587	351,811	1,567	917		159		491		27	27
37,501	11,636	99,061	.....	444	51,973	1,689,003	15,361	2,054,740	350,376	1,257	250		295		712	129	28	28
21,325	10,163	11,747	.....	3,764	9,026	168,805	229	279,841	110,807	4					4		29	29
809,679	1,295,966	11,757,668	251,928	2,045	1,711,403	184,617,478	8,260,485	241,757,313	48,879,350	27,543	2,767	10,375	2,700	.....	11,701	15,400	30	30
20,412	33,279	144,704	3,864	9,426	3,831	56,505	5,988	466,685	404,192	93					93		31	31
67,713	68,626	110,536	279	5,465	30,826	730,394	8,035	1,296,544	558,115	266	54		58		154		32	32
4,075	1,300	11,549	.....	200	320	59,834	1,402	100,204	38,968	57	54		3				33	33
63,638	67,326	98,987	279	5,265	30,506	670,560	6,633	1,196,340	519,147	209			55		154		34	34
3,116	3,043	34,485	240	8,400	1,237	15,330	11,785	98,621	71,506	212	111		46		55		35	35
594,840	662,754	2,305,204	286,823	201,814	208,416	4,736,313	78,250	12,233,688	7,419,125	2,309			17	1	2,291	1	36	36
554,586	594,989	2,216,612	65,122	195,952	202,555	4,704,019	74,808	11,544,245	6,765,418	2,272			17		2,255	1	37	37
33,880	65,365	8,500	221,701	3,050	4,672	27,098	328	530,586	503,160	7					7		38	38
6,424	2,400	80,092	.....	2,812	1,189	5,196	3,114	158,857	150,547	30					29		39	39
1,227,486	1,894,465	3,567,216	597,195	253,592	313,727	5,925,638	196,272	10,998,949	13,877,039	5,708	794	5	685	13	4,211	419	40	40
615,484	1,139,094	1,488,812	9,658	97,045	152,700	3,114,591	86,288	9,554,938	6,354,059	2,086	180		18		1,908		41	41
503,567	634,262	2,064,018	48,825	144,345	169,355	2,785,910	109,947	9,346,741	6,460,834	3,622	634	5	667	13	2,303	419	42	42
108,435	121,109	14,386	538,714	12,202	1,672	25,137	87	1,097,270	1,072,096								43	43
202,268	163,906	414,116	17,871	6,165	349,747	13,721,606	87,824	17,900,547	4,091,117	7,998	6,103		420		1,475	467	44	44
30,564	22,620	58,807	.....	3,326	5,150	186,665	5,699	568,181	375,817	441	412				29	6	45	45
186,918	168,555	989,859	850	77,840	102,348	5,212,040	17,780	7,817,750	2,587,980	359			10		349		46	46
32,600	17,742	307,094	500	4,019	28,732	310,544	169,915	1,016,031	535,572	1,656	990	433	33	.....	200	308	47	47
3,180	1,508	11,152	.....	2,760	69	129,252	1,203	171,715	41,260	41					41		48	48
264,698	370,087	7,565,865	1,664	27,061	66,652	8,129,896	193,351	19,246,231	10,922,984	6,026	2,062	690	547	.....	2,727		49	49
262,198	370,087	7,536,062	.....	26,720	66,145	8,107,892	186,824	19,176,207	10,881,491	5,888	2,012	690	459	.....	2,727		50	50
2,400		29,803	1,664	341	507	22,004	6,527	70,024	41,493	138	50		88	.....			51	51
14,100	4,780	78,812	.....	1,740	5,472	150,179	1,916	323,658	171,563	213					213		52	52
14,513	7,942	37,009	.....	5,224	1,427	26,021	145	135,218	109,052	6					6		53	53
668,195	1,682,504	5,757,314	41,581	236,976	522,965	105,874,192	877,425	125,191,873	18,440,256	14,055	9,657				4,398	2,885	54	54
119,541	73,826	506,459	11,020	4,340	24,278	2,073,927	26,094	3,245,942	1,145,921	532			85		447		55	55
82,730	62,126	399,766	.....	13,980	163,291	818,090	497	1,678,613	890,026	3					3		56	56
56,435	20,295	90,965	.....	10,790	6,178	232,006	1,840	502,590	268,144	97					97			

¹ Same number reported for one or more other months. ² Same number reported throughout the year. ³ None reported for one or more other months.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	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.			Total.	16 and over.			Under 16.	
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.		Male.	Female.
								Maximum month.	Minimum month.						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																Dollars.
1	Turpentine and rosin.....	10	1,118	3	67	30	.....	1,018	Ap 1,280	No 773	1,019	996	.....	23	.....	2,483,180
2	Vinegar.....	7	119	7	7	37	4	64	My 86	Fe 56	65	57	8	.....	.....	306,840
3	Wall plaster and composition flooring.....	3	295	.....	16	23	8	248	Se 284	Ja 201	247	246	1	.....	.....	1,155,456
4	Window and door screens.....	9	66	12	3	4	3	44	My 52	Ja 33	47	47	.....	.....	.....	73,973
5	Wood preserving.....	7	873	.....	29	69	21	754	De 1,040	Mh 560	1,023	1,013	8	2	.....	6,122,280
6	All other industries*.....	142	5,119	109	280	361	105	4,284	.....	.....	.....	.....	.....	.....	.....	37,010,197
* All other industries embrace—																
	Agricultural implements.....	5						2	Fireworks.....					1	Labels and tags.....	2
	Automobiles.....	5						3	Furs, dressed.....					1	Lamps and reflectors.....	1
	Bags, paper, exclusive of those made in paper mills.....	1						2	Glass.....					2	Lapidary work.....	1
	Baking powder.....	1						1	Hardware.....					1	Lard, not made in slaughtering and meat-packing establishments.....	1
	Baskets, and rattan and willow ware.....	2						1	Hats, straw.....					1	Leather goods, not elsewhere specified.....	1
	Blacking, stains, and dressings.....	2						6	House-furnishing goods, mops, dust-ers, etc.....					1	Looking-glass and picture frames.....	2
	Boot and shoe findings.....	2						1	Instruments, professional and scientific.....					1	Millinery and lace goods, embroideries and trimmed hats, and hat frames.....	4
	Boxes, cigar.....	1						2	Iron and steel, blast furnaces.....					1	Minerals and earths, ground or otherwise treated.....	3
	Boxes, paper and other, not elsewhere specified.....	3						1	Iron and steel, steel works and rolling mills.....					1	Models and patterns, not including paper patterns.....	2
	Brushes.....	1						4								

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	DALLAS—All industries.....	457	10,677	376	567	1,431	390	7,913	De 8,332	Ja 7,379	8,505	6,369	2,053	78	42,270,181
2	Automobile bodies and parts.....	17	271	23	9	6	9	224	De 208	Ja 185	268	253	12	3	215,783
3	Automobile repairing.....	25	115	34	2	6	2	71	Au 80	Fe 61	77	77	.....	.....	65,584
4	Bread and other bakery products.....	39	870	35	39	163	26	612	De 693	Jy 511	698	412	286	.....	2,203,806
5	Cars and general shop construction and repairs by steam-railroad companies.....	3	138	.....	3	2	2	131	No 143	Ja 119	141	141	.....	.....	190,105
6	Chemicals.....	4	115	.....	9	41	11	54	No 58	Mh 49	57	55	2	.....	917,443
7	Clothing, men's.....	9	693	3	26	20	3	636	No 692	Mh 592	673	85	588	.....	609,145
8	Clothing, women's.....	3	95	.....	8	8	1	78	De 83	Ja 69	83	2	81	.....	203,195
9	Confectionery and ice cream.....	15	413	19	27	44	9	314	Mh 257	Jy 193	296	201	95	.....	947,647
10	Confectionery.....	9	263	14	15	23	7	225	Jy 115	Ja 54	219	130	89	.....	485,602
11	Ice cream.....	6	120	5	12	16	2	85	Je 103	Ja 80	77	71	6	.....	462,045
12	Copper, tin, and sheet-iron work.....	14	123	10	11	4	2	95	Je 40	Ja 5	103	102	.....	1	293,422
13	Food preparations, not elsewhere specified.....	6	30	3	4	1	1	21	.....	.....	40	14	26	.....	55,183
14	Foundry and machine-shop products.....	19	721	15	30	38	15	573	Mh 643	Oc 487	584	579	5	.....	4,414,605
15	Ice, manufactured.....	11	232	.....	23	59	2	148	Au 200	Ja 97	149	149	.....	.....	1,380,284
16	Iron and steel, welding.....	4	16	6	.....	.....	.....	10	De 11	Ja 9	11	11	.....	.....	3,024
17	Jewelry.....	7	69	6	4	.....	1	58	De 63	My 54	60	59	1	.....	170,973
18	Lumber, planing-mill products, not including planing mills connected with sawmills.....	10	144	6	12	8	2	116	No 145	Fe 81	134	134	.....	.....	345,477
19	Marble and stone work.....	6	81	6	5	7	3	60	De 75	Ja 50	75	75	.....	.....	338,941
20	Mineral and carbonated waters.....	7	91	7	5	24	4	51	Au 69	Ja 35	38	37	.....	.....	356,452
21	Oil and cake, cottonseed.....	4	216	1	19	17	.....	179	Oc 314	Je 77	291	224	1	.....	2,664,193
22	Optical goods.....	4	67	2	6	9	11	39	No 42	My 35	34	30	4	.....	199,022
23	Patent medicines and compounds.....	10	32	7	5	6	4	10	De 11	Ja 9	12	6	.....	.....	38,133
24	Photo-engraving, not done in printing establishments.....	3	50	4	2	9	2	33	No 38	Ja 20	37	37	.....	.....	57,538
25	Printing and publishing, book and job.....	64	754	65	37	108	42	502	.....	.....	562	419	140	3	2,217,598
26	Job printing.....	54	651	57	29	69	28	468	De 527	Ja 407	528	386	139	3	1,935,080
27	Book publishing without printing.....	6	63	4	8	37	14	.....	.....	.....	.....	.....	.....	.....	222,195
28	Linotype work, typesetting, etc.....	4	40	4	.....	2	.....	34	Jy 35	De 33	34	33	1	.....	60,323
29	Printing and publishing, newspapers and periodicals.....	44	805	31	41	315	120	298	.....	.....	318	297	17	4	1,596,087
30	Printing, publishing and job printing.....	10	730	15	30	289	102	294	De 312	My 263	314	293	17	4	1,570,999
31	Publishing without printing.....	34	75	16	11	26	18	4	(*) 4	(*) 4	4	4	.....	.....	25,088
32	Saddlery and harness.....	4	666	37	116	28	485	No 506	Ja 441	501	464	.....	37	.....	2,454,810
33	Signs and advertising novelties.....	7	46	3	5	9	1	28	De 39	Je 20	44	44	.....	.....	141,633
34	All other industries*.....	113	3,224	90	198	366	84	3,086	.....	.....	3,219	2,462	757	.....	20,185,063

* All other industries embrace—

Artificial limbs.....	1	Boxes, paper and other, not elsewhere specified.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	2	Electrical machinery.....	2
Artificial stone products.....	2	Boxes, wooden packing, except cigar boxes.....	2	Cleaning preparations, sweeping.....	1	Electroplating.....	1
Automobiles.....	1	Brass and bronze products.....	1	Coffee, roasting and grinding.....	2	Engraving and diesinking.....	2
Awnings, tents, and sails.....	2	Brick and tile, building brick.....	1	Coffins, burial cases, and undertakers' goods.....	2	Engraving, steel and copper plate, including plate printing.....	3
Bags, other than paper, not including bags made in textile mills.....	2	Brooms, from broom corn.....	1	Cooperage, hogsheds and barrels.....	1	Envelopes.....	1
Blacking, stains, and dressings.....	1	Brushes.....	1	Cordials and flavoring sirups.....	2	Flour-mill and gristmill products.....	6
Bookbinding and blank-book making.....	5	Buttons.....	1	Cotton goods.....	1	Furniture, wood, other than rattan, willow, and metal.....	3
Boot and shoe findings.....	1	Canning and preserving, vegetables.....	1	Dairymen's supplies.....	1	Glass, cutting, staining, and ornamenting.....	2
		Carriage and wagon materials.....	1	Druggists' preparations.....	3		

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.)

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.			Rent- ed. ²	
										Steam en- gines (not tur- bines).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Wa- ter pow- er. ¹		

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
101,674	23,970	605,923			107,344	508,528	9,369	3,300,640	2,782,743	64	54		10			
16,800	90,703	56,468	2,884	4,600	22,533	381,464	2,307	782,272	398,441	37						
46,503	53,199	247,154			15,115	199,189	97,536	1,098,126	801,371	1,715	190		675		850	527
8,850	8,381	44,905	2,913	869	707	68,471	2,372	176,897	106,054	123			14		112	
89,133	121,436	820,905		1,890	154,134	4,552,314	138,535	6,264,501	1,573,652	3,957	3,767	169	21			170
820,036	615,960	3,761,151	96,804	69,656	1,948,116	50,233,288	1,289,250	65,942,312	14,419,774	20,875	9,208	6,409	174		5,084	5,037

Mucilage and paste, and other adhesives, not elsewhere specified.	1	Printing materials.	2	Stoves and ranges.	1	Washing machines and clothes wringers.	2
Musical instruments and materials, not specified.	1	Refrigerators.	2	Stoves, gas and oil.	1	Waste, cotton.	3
Paper and wood pulp.	2	Sand-lime brick.	1	Sugar, cane.	1	Whips.	1
Plumbers' supplies, not elsewhere specified.	2	Shipbuilding, steel.	1	Sugar, refining, not including beet sugar.	1	Windmills.	1
Pocketbooks.	1	Shirts.	2	Sulphuric, nitric, and mixed acids.	1	Wirework, not elsewhere specified.	6
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	3	Smelting and refining, copper.	1	Surgical appliances.	1	Wood distillation.	1
Printing and publishing, music.	2	Soap.	4	Tinware, not elsewhere specified.	1	Wood, turned and carved.	4
		Soda-water apparatus.	1	Tobacco, smoking.	1	Wooden goods, not elsewhere specified.	1
		Statuary and art goods.	3	Tools, not elsewhere specified.	2	Worsted goods.	1
		Stencils and brands.	1	Toys and games.	1		
				Typewriters and parts.	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1,880,307	2,606,904	7,963,180	393,857	391,155	2,528,776	64,692,433	810,760	93,649,654	28,146,461	23,197	12,966	1,395	1	8,835	2,434	1
27,273	14,260	269,648		31,608	8,030	340,906	5,861	886,070	539,303	144				144		2
3,400	5,850	98,074	34	25,450	3,494	93,916	4,625	374,291	275,760	99		5		94		3
85,352	244,906	513,723	200	38,516	134,460	2,641,703	56,412	4,596,128	1,898,013	653	375			278	358	4
7,824	5,349	211,645			3,742	129,772	8,471	366,803	228,560	65	65					5
24,505	82,591	61,088		6,038	43,637	169,382	28,157	647,082	449,543	376	106			270		6
62,820	43,269	399,524	14,400	19,517	12,781	960,697	7,844	1,818,942	850,401	119				119		7
30,760	15,286	48,725		4,020	3,688	162,099	2,064	315,345	150,582	25				25		8
104,345	109,971	215,145		28,671	132,516	1,272,689	43,622	2,260,145	943,934	775	485			200	81	9
53,395	92,580	136,876		23,916	78,842	805,831	13,000	1,418,773	699,882	173	135			38	81	10
50,950	17,391	78,269		4,755	53,674	460,858	30,462	841,372	344,052	602	360			252		11
24,781	9,542	129,338	2,000	9,325	4,627	394,194	1,391	681,347	285,762	76				76		12
4,090	675	14,167		2,021	372	49,866	2,553	93,557	41,108	30				39		13
122,644	208,148	631,183		14,925	138,448	1,698,523	34,557	3,576,161	1,843,081	1,120	750			379	900	14
59,330	60,709	175,818	8,800	84,522	53,210	383,381	188,381	804,608	568,017	4,136	4,002		70	64	235	15
		14,466		2,625	80	6,433	676	39,027	31,918	29				29		16
17,420	1,200	98,071	1,275	3,660	12	73,686	674	248,372	174,012	22				22		17
19,692	7,432	134,301		1,912	36,108	288,500	5,002	615,683	322,181	330	215		35	80		18
8,879	20,474	79,533	1,000	1,300	6,733	118,346	4,044	339,643	217,253	266		80		186		19
16,990	43,654	58,940		6,465	67,170	383,028	5,855	706,312	317,429	110				110		20
55,211	25,786	178,993		90,844	6,908,139	83,378	7,691,521	7,691,521	700,004	3,025	1,925		50	1,050	20	21
22,240	23,042	55,763		11,945	28,619	85,404	2,214	368,958	281,340	16				16		22
8,305	11,174	7,484	1,375	3,780	796	63,697	125	144,700	80,878	3				3		23
9,317	16,729	52,799		2,620	2,608	23,172	2,398	177,963	152,393	57				57		24
140,437	202,216	639,849	203,459	39,790	67,698	1,740,499	20,776	4,298,619	2,537,344	508			1	507		25
112,737	136,571	585,204	13,098	36,610	63,581	1,723,781	10,220	3,766,614	2,023,633	488				488		26
27,700	63,245	190,361		3,642	14,813		7	436,678	421,858							27
	2,400	54,585		1,165	475	1,925	1,549	95,327	91,853	20				1	19	28
177,711	618,122	436,532	152,577	28,560	49,216	1,278,347	20,684	4,128,321	2,827,290	784	560		8	216	400	29
153,453	570,140	430,860	11,149	24,924	48,800	1,273,257	20,684	3,804,570	2,510,629	784	560		8	216	400	30
24,258	47,682	5,672	141,428	3,636	416	5,090		321,751	316,601							31
122,438	115,435	572,601		31,977	59,180	2,469,380	8,473	3,904,053	1,428,200	153				153		32
14,513	7,942	37,009		5,224	1,427	26,021	145	136,218	109,052	6				6		33
719,161	713,142	2,830,741	8,737	71,306	1,547,968	43,260,224	277,448	54,432,785	10,895,113	10,252	4,483		1,147	4,622	440	34

Grease, tallow.	1	Millinery and lace goods, not elsewhere specified.	4	Refrigerators.	1	Structural ironwork, not made in steel works or rolling mills.	2
Hand stamps.	2	Minerals and earths, ground.	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	2	Surgical appliances.	1
Hats and caps, other than felt, straw, and wool.	2	Mirrors, framed and unframed, not elsewhere specified.	1	Sausage, not made in slaughtering or meat-packing establishments.	2	Tobacco, cigars.	3
House-furnishing goods, mops, dust-ers, etc.	1	Mucilage and paste.	1	Saws.	1	Trunks and valises.	2
Liquors, malt.	1	Paints.	3	Show cases.	2	Vinegar.	1
Lumber and timber products.	1	Paper pulp.	1	Slaughtering and meat packing.	2	Washing machines and clothes wringers.	1
Mattresses and spring beds, not elsewhere specified.	5	Perfumery and cosmetics.	4	Soda-water apparatus.	1	Waste, cotton.	1
		Pickles and sauces.	1	Statuary and art goods.	1	Window and door screens.	3
		Printing materials.	1			Wirework.	2

* Same number reported for one or more other months.

* Same number reported throughout year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	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.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.						

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	EL PASO—All industries.....	208	4,777	192	241	297	135	3,912	De	4,422	Ja	3,429	4,501	4,101	362	36	2	Dollars.
2	Automobile bodies and parts.....	3	10	3	.....	.....	.....	7	Oc ³	8	Ja ³	6	8	7	1	.....	.....	84,485
3	Automobile repairing.....	28	176	33	8	5	3	127	Oc	144	Ja	118	138	134	1	3	.....	231,684
4	Bread and other bakery products.....	24	217	27	6	18	12	154	Oc	161	Je	147	159	144	15	.....	.....	237,351
5	Cars and general shop construction and repairs by steam-railroad companies.....	4	1,462	.....	46	29	.....	1,387	De	1,485	Ja	1,302	1,485	1,485	.....	.....	.....	2,509,877
6	Coffee, roasting and grinding.....	5	43	2	8	4	2	27	De ³	30	Fe ³	23	30	14	16	.....	.....	150,811
7	Confectionery and ice cream.....	13	184	13	16	5	14	136	.....	.....	.....	.....	187	69	111	6	1	233,017
8	Confectionery.....	8	74	10	5	4	4	51	De ³	102	Ap	17	105	27	78	.....	.....	115,517
9	Ice cream.....	5	110	3	11	1	10	85	My	99	Ja	73	82	42	33	6	1	117,500
10	Copper, tin, and sheet-iron work.....	7	59	5	4	3	1	46	No	57	Ja	23	55	55	.....	.....	.....	163,428
11	Foundry and machine-shop products.....	7	345	2	13	11	6	313	De	399	Jy	275	398	397	.....	1	.....	934,024
12	Ice, manufactured.....	4	143	2	12	5	4	120	Jy	161	Ja	89	126	126	.....	.....	.....	978,844
13	Iron and steel, welding.....	4	13	5	.....	1	1	6	Au	8	Oc	3	7	7	.....	.....	.....	11,874
14	Jewelry.....	4	17	4	.....	.....	1	12	De ³	13	Ja ³	11	13	13	.....	.....	.....	14,143
15	Lumber, planing-mill products, not including planing mills connected with sawmills.....	4	184	3	5	17	8	161	De	214	Fe	90	214	213	1	.....	.....	720,344
16	Mattresses and spring beds, not elsewhere specified.....	4	50	7	4	4	3	32	De	46	Jy	24	46	37	9	.....	.....	109,437
17	Mineral and carbonated waters.....	8	77	6	6	10	1	54	Je	70	No	40	47	38	.....	9	.....	207,900
18	Optical goods.....	4	27	4	3	2	3	15	De ³	16	Ja	13	15	13	2	.....	.....	82,216
19	Printing and publishing, book and job.....	19	203	19	13	15	10	140	No	169	Ja	130	169	115	39	4	1	253,282
20	Printing and publishing, newspapers and periodicals.....	14	303	12	30	84	39	138	.....	.....	.....	.....	163	138	12	13	.....	519,600
21	Printing and publishing and job printing.....	9	292	6	29	83	36	138	De	162	Ja	120	163	138	12	13	.....	516,550
22	Publishing without printing.....	5	11	6	1	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,050
23	All other industries*.....	52	1,264	45	67	84	27	1,041	.....	.....	.....	.....	1,261	1,096	155	.....	.....	7,282,141

*All other industries embrace—

Artificial stone products..... 1
 Awnings, tents, and sails..... 1
 Bookbinding and blank-book making 1
 Boots and shoes..... 1
 Boxes, wooden packing, except cigar boxes..... 1

Brass, bronze, and copper products.. 1
 Brick and tile, building brick..... 1
 Butter..... 2
 Cars and general shop construction and repairs by electric-railroad companies..... 1

Chemicals..... 1
 Cleansing and polishing preparations. 2
 Clothing, men's..... 2
 Druggists' preparations..... 2
 Flour-mill and gristmill products..... 2
 Food preparations, not elsewhere specified..... 2

Furniture, wood..... 2
 Gas, illuminating and heating..... 2
 Glass, cutting, staining, and ornamenting..... 1
 Lapidary work..... 1
 Lime..... 1

1	FORT WORTH—All industries.....	229	5,505	194	296	406	157	4,452	No.	4,817	Mh.	4,168	4,796	3,896	833	67	.....	24,084,445
2	Automobile repairing.....	25	185	35	4	3	4	139	Se.	147	Ja.	132	143	141	2	.....	.....	364,600
3	Bread and other bakery products.....	17	228	21	8	18	8	173	De.	194	Ja. ³	158	192	154	34	4	.....	590,417
4	Cars, and general shop construction and repairs by steam-railroad companies.....	5	1,013	.....	27	24	4	958	Oc. ³	997	My.	919	992	989	3	.....	.....	1,509,043
5	Confectionery and ice cream.....	9	413	8	25	33	14	333	No.	399	Jy.	269	343	182	161	.....	.....	844,715
6	Copper, tin and sheet-iron work.....	8	89	9	5	2	1	72	No.	100	Ap.	56	76	76	.....	.....	.....	108,460
7	Food preparations, not elsewhere specified.....	10	257	3	15	20	18	192	No.	209	Je.	178	164	138	26	.....	.....	1,970,325
8	Foundry and machine-shop products.....	10	487	10	14	44	7	412	No.	462	Jy.	335	456	425	1	30	.....	1,325,712
9	Ice, manufactured.....	9	218	.....	26	14	2	176	Jy.	269	Ja.	142	155	155	.....	.....	.....	1,461,877
10	Marble and stone work.....	4	28	3	1	2	2	20	Je.	22	Ja.	16	21	21	.....	.....	.....	61,768
11	Mattresses and spring beds, not elsewhere specified.....	4	28	3	2	1	1	21	De. ³	25	Ja.	16	22	17	5	.....	.....	38,574
12	Printing and publishing, book and job.....	27	332	34	25	28	17	228	Oc.	248	Ja.	215	247	174	68	5	.....	901,320
13	Printing and publishing, newspapers and periodicals.....	15	465	7	44	65	22	327	Se.	343	Fe.	306	337	294	43	.....	.....	882,957
14	All other industries*.....	86	1,762	61	100	143	57	1,401	.....	.....	.....	.....	1,648	1,130	490	28	.....	14,034,677

*All other industries embrace—

Artificial limbs..... 1
 Artificial stone products..... 1
 Automobile bodies and parts..... 5
 Awnings, tents, and sails..... 2
 Boots and shoes, not including rubber boots and shoes..... 1
 Brass and bronze products..... 1
 Brick and tile, building brick..... 1

Brooms, from broom corn..... 1
 Butter..... 2
 Cars and general shop construction and repairs by steam-railroad companies. 1
 Chemicals..... 1
 Clothing, men's..... 5
 Clothing, women's..... 3
 Coffee, roasting and grinding..... 3
 Cooperage, hogsheads and barrels..... 1

Cordials and flavoring sirups..... 1
 Druggists' preparations..... 1
 Electrical machinery, apparatus, and supplies..... 1
 Engraving, steel and copper plate, including plate printing..... 1
 Fertilizers..... 1
 Flavoring extracts..... 1
 Flour-mill and gristmill products..... 2

Furniture, wood, other than rattan, willow, and metal..... 2
 Gas, illuminating and heating..... 1
 Glass, cutting, staining, and ornamenting..... 1
 Hand stamps..... 2
 Iron and steel, welding..... 1
 Jewelry..... 1
 Leather goods, not elsewhere specified 2

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).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 589,998	Dollars. 500,519	Dollars. 3,880,458	Dollars. 40,551	Dollars. 159,599	Dollars. 270,352	Dollars. 8,207,814	Dollars. 654,758	Dollars. 10,649,982	Dollars. 7,787,910	10,848	4,397	2,820	129	.....	3,502	2,516	1
12,089	5,786	130,532	75	21,198	4,883	109,019	5,091	347,683	232,673	118	.....	.....	.....	.....	118	.....	2
16,060	37,674	145,987	.....	13,915	4,098	630,606	25,594	1,023,691	367,491	65	.....	.....	.....	.....	65	.....	3
129,803	37,164	1,853,778	.....	.....	19,636	858,724	118,156	3,017,261	2,040,381	910	710	200	.....	.....	.....	1,798	4
8,890	9,921	17,735	.....	3,315	8,890	214,535	2,454	285,356	68,367	52	.....	.....	.....	.....	52	.....	6
23,665	7,745	64,098	.....	11,140	11,817	252,290	12,809	468,878	203,777	123	.....	.....	4	.....	119	.....	7
8,490	682	20,951	.....	4,950	1,680	88,588	2,884	164,666	78,194	32	.....	.....	4	.....	28	.....	8
15,175	7,063	34,747	.....	6,190	10,157	163,702	9,025	304,210	130,583	91	.....	.....	.....	.....	91	.....	9
8,630	3,966	46,479	5,427	900	2,025	140,057	1,690	233,944	92,197	61	.....	.....	.....	.....	61	.....	10
39,887	28,066	291,925	.....	2,885	14,856	428,234	50,825	904,463	425,404	479	415	.....	.....	.....	415	250	11
23,950	7,809	78,660	8,560	.....	30,486	26,736	127,315	516,394	362,343	2,615	2,164	450	.....	.....	1	273	12
.....	810	5,933	.....	1,111	38	3,605	409	16,642	12,628	4	.....	.....	.....	.....	4	.....	13
.....	240	19,508	.....	2,231	145	12,356	243	43,617	31,018	4	.....	.....	.....	.....	4	.....	14
18,443	33,745	147,836	.....	2,400	8,677	229,178	6,458	455,016	219,380	336	210	.....	.....	.....	126	.....	15
2,460	12,009	24,960	.....	1,260	2,173	109,071	3,374	180,156	47,711	130	.....	.....	.....	.....	130	.....	16
9,776	11,820	38,505	501	2,627	6,198	115,402	2,785	227,745	109,558	50	.....	.....	.....	.....	50	.....	17
8,910	3,499	11,337	.....	6,872	939	27,288	777	85,561	57,848	10	.....	.....	.....	.....	10	.....	18
34,805	23,204	106,453	3,571	13,990	7,004	134,796	4,365	407,542	208,381	75	.....	.....	.....	.....	75	.....	19
87,455	144,880	192,524	22,417	26,629	57,086	503,345	8,072	1,280,629	769,212	163	.....	.....	.....	.....	163	.....	20
86,255	143,120	192,524	3,915	26,045	57,071	503,345	8,072	1,252,630	741,213	163	.....	.....	.....	.....	163	.....	21
1,200	1,760	.....	18,502	584	15	.....	.....	27,999	27,999	.....	.....	.....	.....	.....	.....	.....	22
165,175	132,241	700,283	.....	46,425	90,786	4,386,797	283,479	7,131,877	2,491,601	5,629	898	2,170	125	.....	2,436	195	23

Marble and stone work, monuments and tombstones.....	1	Peanuts, grading, roasting, cleaning, and shelling.....	1	Saddlery and harness.....	3	Structural ironwork, not made in steel works or rolling mills.....	2
Paints.....	1	Petroleum, refining.....	1	Sand-lime brick.....	1	Tobacco, cigars.....	3
Patent medicines and compounds.....	3	Photo-engraving, not done in printing establishments.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1	Trunks and valises.....	3
Paving materials.....	1	.....	1	Slaughtering and meat packing.....	2	Typewriters and parts.....	1

926,701	715,550	5,081,951	113,202	153,039	558,723	25,031,039	626,195	38,160,092	12,502,858	14,234	5,999	250	1,604	.....	6,381	1,021	1
3,900	7,241	156,024	.....	11,211	5,005	330,397	4,853	685,558	350,308	113	10	.....	.....	.....	103	.....	2
19,460	32,640	189,807	.....	11,520	7,359	923,902	21,568	1,421,318	475,848	112	.....	.....	.....	.....	112	.....	3
75,266	30,718	1,520,168	.....	.....	12,671	924,933	78,261	2,650,817	1,647,623	305	245	.....	12	.....	48	.....	4
83,771	59,864	222,211	.....	26,400	120,273	1,129,005	58,070	2,165,793	978,718	665	375	.....	5	.....	235	25	5
11,100	2,348	49,054	.....	4,280	849	119,030	1,449	238,295	117,816	6	.....	.....	.....	.....	6	.....	6
34,726	73,401	122,709	.....	1,367	33,926	2,202,375	17,622	2,754,285	534,289	979	80	.....	100	.....	799	.....	7
31,409	68,914	526,605	6,056	4,365	19,785	1,059,933	25,949	1,858,942	773,060	1,092	.....	.....	90	.....	1,002	1	8
81,102	22,556	206,893	.....	.....	55,679	106,587	146,671	888,110	634,952	4,434	3,680	250	130	.....	374	379	9
1,300	4,075	25,169	5,134	1,980	774	63,526	7,155	127,833	57,152	106	.....	.....	.....	.....	106	.....	10
4,117	1,947	22,839	.....	2,840	189	123,897	1,044	230,256	105,315	29	.....	.....	.....	.....	29	.....	11
98,298	78,140	236,449	6,160	16,736	17,554	479,910	7,914	1,323,939	836,115	555	.....	.....	.....	.....	555	.....	12
196,489	84,653	417,001	75,979	13,925	42,958	936,427	12,074	2,506,511	1,558,010	289	.....	.....	.....	.....	289	.....	13
285,763	249,053	1,377,932	19,903	58,405	241,701	16,631,117	243,665	21,303,434	4,433,652	5,549	1,609	.....	1,267	.....	2,673	616	14

Lumber, planing-mill products, not including planing mills connected with sawmills.....	7	Optical goods.....	3	Pickles and sauces.....	2	Slaughtering and meat packing.....	1
Mineral and carbonated waters.....	3	Patent medicines and compounds.....	3	Pottery, earthen and stone ware.....	1	Structural ironwork, not made in steel works or rolling mills.....	2
Models and patterns, not including paper patterns.....	1	Peanuts, grading, roasting, cleaning, and shelling.....	1	Printing and publishing, music, publishing without printing.....	1	Tobacco, cigars.....	2
Musical instruments and materials, not specified.....	1	Perfumery and cosmetics.....	1	Printing materials.....	1	Vinegar.....	1
.....	1	Petroleum, refining.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1	Window and door screens.....	1
.....	1	Photo-engraving, not done in printing establishments.....	1	Saddlery and harness.....	3	.....	.....

¹ Same number reported for one or more other months.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	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.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																	Dollars.
1	HOUSTON—All industries.....	383	12,126	316	604	1,034	312	9,860	Mh 10,171	Jy 9,631	10,432	9,250	1,153	24	5		49,045,972
2	Automobile bodies and parts.....	7	138	7	12	5	1	113	Je 126	Mh ^a 107	115	115					243,811
3	Automobile repairing.....	23	150	24	14	9		103	De ^a 108	Mh 95	108	105	1	2			155,493
4	Bread and other bakery products.....	33	658	35	32	43	23	525	De ^a 650	My 448	653	361	291		1		1,487,002
5	Brooms, from broom corn.....	3	15	3		1	1	10	De ^a 11	Ap 8	11	10	1				43,373
6	Carriages and wagons, including repairs.	3	20	5				15	Jy ^a 16	Ja ^a 13	16	16					17,097
7	Cars and general shop construction and repairs by steam-railroad companies.	4	2,304		63	85	14	2,142	Mh 2,233	Je 2,014	2,194	2,193	1				2,397,417
8	Cleansing preparations.....	3	12	1	2		3	6	My ^a 7	Ja ^a 4	7	7					19,900
9	Coffee, roasting and grinding.....	5	117	2	7	44	5	59	Jy 63	Au 53	54	30	24				785,714
10	Confectionery and ice cream.....	9	183	7	8	12	5	151	Jy 174	Ja 104	147	129	18				405,493
11	Copper, tin, and sheet-iron work.....	24	206	25	10	13	8	150	Jy 167	Mh 132	150	135	3	12			350,655
12	Food preparations, not elsewhere specified.	11	135	11	9	18	3	94	Oc 100	Ap 87	98	90	7	1			763,066
13	Foundry and machine-shop products.	29	846	20	58	42	9	717	De 858	Ja 623	863	852	8	3			3,096,397
14	Furniture.....	6	258	7	14	15	5	247	Au 260	My 232	251	242	9				780,732
15	Ice, manufactured.....	6	148		13	15	1	119	Jy ^a 137	Ja ^a 93	114	114					809,577
16	Iron and steel, welding.....	3	7	4				3	(^a) 3	(^a) 3	3	3					5,300
17	Lumber, planing-mill products, not including planing mills connected with sawmills.	11	466	8	23	23	4	408	Se 452	Ap 374	406	406					754,392
18	Marble and stonework, monuments and tombstones.	3	22	3	1			18	(^a) 18	(^a) 18	18	18					41,300
19	Mattresses and spring beds, not elsewhere specified.	6	65	4	4	3		54	(^a) 54	(^a) 54	54	45	0				158,431
20	Mineral and carbonated waters.....	9	79	12	3	13	1	50	Se 73	Ja 34	44	42	2				160,731
21	Oil and cake, cottonseed.....	5	335		22	35	2	276	Se 355	Je ^a 178	411	411					3,681,104
22	Patent medicines and compounds.....	8	40	6	3	9	5	17	Jy ^a 20	Ja ^a 13	23	5	17	1			161,351
23	Printing and publishing, book and job	37	522	30	35	60	20	377	De 392	My 362	398	302	91	2	3		1,099,671
24	Printing and publishing, newspapers and periodicals.	23	533	24	48	185	78	198			202	192	8	2			2,376,662
25	Printing and publishing.....	6	452	1	37	176	73	165	No 191	Ja 147	167	160	5	2			2,264,008
26	Printing and publishing and job printing.	6	42	5	3	2	1	31	Au ^a 36	Ja ^a 28	33	32	1				95,549
27	Publishing, without printing.....	11	39	18	8	7	4	2	(^a) 2	(^a) 2	2		2				17,105
28	Rice, cleaning and polishing.....	5	195	1	14	33	4	143	Oc 240	Au 64	198	196	2				3,080,927
29	All other industries*.....	107	4,642	77	209	371	120	3,885			3,894	3,231	661	1	1		20,721,326

* All other industries embrace —
 Artificial limbs..... 1
 Artificial stone products..... 2
 Automobiles..... 2
 Awnings, tents, and sails..... 2
 Bags, other than paper, not including bags made in textile mills..... 3
 Baking powders..... 1
 Bookbinding and blank-book making..... 1
 Boots and shoes..... 1
 Boxes, set-up paper boxes..... 1

Boxes, wooden packing, except cigar boxes..... 2
 Brass and bronze products..... 3
 Brick and tile, building brick..... 2
 Butter..... 1
 Buttons..... 1
 Canning and preserving, vegetables..... 1
 Cars and general shop construction and repairs by electric-railroad companies..... 1

Cars, steam-railroad, not including operations of railroad companies..... 2
 Cement..... 1
 Clothing, men's..... 3
 Coffins, burial cases, and undertakers' goods..... 1
 Cooperage, hogsheads and barrels..... 1
 Cordials and flavoring sirups..... 2
 Druggists' preparations..... 1
 Electrical machinery, apparatus, and supplies..... 3

Electroplating..... 1
 Engraving, steel and copper plate, including plate printing..... 2
 Fertilizers..... 1
 Flavoring extracts..... 1
 Flour-mill and gristmill products..... 2
 Gas..... 1
 Glass, cutting, staining, and ornamenting..... 1
 Hand stamps..... 2

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).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent- ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 1, 513, 320	Dollars. 1, 765, 839	Dollars. 10, 401, 743	Dollars. 214, 122	Dollars. 273, 164	Dollars. 1, 816, 359	Dollars. 56, 255, 247	Dollars. 1, 536, 933	Dollars. 86, 874, 480	Dollars. 29, 082, 240	31, 416	13, 857	598	3, 883	1	13, 077	2, 681	1
15, 735	7, 955	111, 827	.....	6, 554	6, 479	159, 678	5, 280	363, 801	198, 845	231	.....	.....	.....	.....	231	.....	2
37, 328	11, 000	115, 296	.....	23, 257	9, 790	190, 737	5, 981	461, 774	265, 056	93	.....	.....	.....	.....	79	.....	3
35, 634	106, 534	360, 244	.....	22, 813	25, 923	1, 953, 194	45, 404	3, 185, 516	1, 186, 918	450	320	5	.....	.....	125	204	4
.....	1, 910	6, 764	.....	865	242	32, 307	116	51, 413	18, 930	5	.....	.....	.....	.....	5	.....	5
.....	.....	14, 112	.....	1, 920	49	15, 059	632	40, 547	24, 856	10	.....	.....	.....	.....	10	.....	6
189, 232	103, 136	2, 986, 533	.....	.....	14, 751	1, 240, 835	145, 433	5, 445, 508	4, 059, 240	2, 982	570	.....	.....	.....	2, 412	.....	7
.....
2, 820	2, 316	4, 863	1, 000	1, 980	65	11, 985	1, 774	25, 947	12, 188	98	40	.....	.....	.....	58	.....	8
32, 300	80, 937	44, 247	.....	790	27, 953	2, 091, 953	7, 774	2, 558, 386	458, 659	165	.....	.....	.....	.....	165	.....	9
19, 769	18, 833	161, 707	.....	2, 694	5, 350	732, 103	33, 643	1, 014, 180	248, 434	560	.....	.....	.....	.....	560	.....	10
23, 640	22, 391	179, 809	.....	7, 769	2, 187	599, 005	1, 562	1, 105, 596	505, 029	45	.....	.....	4	.....	41	.....	11
25, 267	31, 874	77, 718	.....	4, 780	21, 569	2, 012, 605	16, 740	2, 873, 742	844, 397	506	268	.....	.....	.....	238	44	12
185, 699	74, 879	877, 905	46, 352	14, 109	90, 959	2, 070, 262	106, 929	4, 095, 836	1, 918, 645	2, 205	100	40	70	.....	1, 995	.....	13
43, 247	20, 846	239, 054	3, 072	1, 748	7, 598	833, 018	11, 108	1, 500, 329	656, 203	691	193	40	.....	.....	458	.....	14
32, 748	28, 307	144, 568	.....	5, 400	10, 693	25, 941	115, 161	590, 975	449, 873	2, 376	1, 500	33	500	.....	343	472	15
.....	.....	4, 420	.....	1, 180	20	3, 935	166	13, 567	9, 466	9	.....	.....	.....	.....	9	.....	16
58, 407	33, 423	373, 010	343	5, 913	8, 677	980, 063	4, 800	1, 788, 108	803, 185	817	520	.....	.....	.....	297	.....	17
.....
960	.....	27, 787	.....	420	263	21, 160	1, 023	57, 432	35, 249	50	.....	.....	.....	.....	50	.....	18
4, 466	2, 104	43, 281	.....	1, 948	1, 639	167, 170	2, 558	299, 183	129, 455	131	.....	.....	.....	.....	131	.....	19
6, 130	16, 843	38, 738	.....	2, 880	18, 079	154, 024	2, 041	333, 945	177, 880	59	.....	.....	.....	1	54	.....	20
69, 351	54, 178	234, 645	.....	41, 653	7, 922	120	85, 471	9, 374, 602	1, 367, 011	4, 315	2, 350	.....	1, 500	.....	485	40	21
5, 979	10, 301	7, 976	.....	4, 285	1, 068	26, 073	102	82, 303	56, 128	10	.....	.....	.....	.....	10	.....	22
118, 517	114, 355	392, 323	32, 867	49, 470	64, 796	872, 774	9, 174	2, 210, 080	1, 328, 132	383	.....	.....	2	.....	381	.....	23
150, 697	339, 952	324, 470	57, 205	34, 060	45, 207	833, 130	25, 454	2, 533, 983	1, 675, 399	669	100	.....	.....	.....	569	.....	24
125, 239	319, 716	273, 647	150	25, 186	44, 850	769, 172	23, 393	2, 267, 131	1, 474, 566	599	100	.....	.....	.....	499	.....	25
7, 600	4, 550	50, 615	13, 513	6, 045	327	61, 483	2, 040	176, 729	113, 197	70	.....	.....	.....	.....	70	.....	26
17, 858	15, 086	208	43, 632	2, 829	30	2, 475	12	90, 123	87, 636	.....	.....	.....	.....	.....	.....	.....	27
54, 224	60, 261	125, 439	2, 056	765	184, 779	5, 068, 154	59, 598	6, 661, 665	1, 533, 913	2, 905	2, 750	.....	.....	.....	155	150	28
701, 180	623, 414	3, 504, 947	70, 847	77, 564	1, 226, 570	28, 237, 904	849, 009	40, 208, 062	11, 119, 149	11, 661	5, 146	480	1, 799	.....	4, 236	1, 771	29

Hats and caps, other than felt, straw, and wool..... 1
Jewelry..... 3
Liquors, malt..... 2
Looking-glass and picture frames..... 2
Lumber and timber products..... 1
Mirrors, framed and unframed..... 2
Models and patterns, not including paper patterns..... 2
Optical goods..... 1

Paints..... 4
Perfumery and cosmetics..... 1
Petroleum, refining..... 1
Photo-engraving, not done in printing establishments..... 2
Pickles, preserves, and sauces..... 1
Plumbers' supplies, not elsewhere specified..... 1
Rubber tires, tubes, and rubber goods, not elsewhere specified..... 1
Saddlery and harness..... 4

Sausage, not made in slaughtering and meat-packing establishments..... 1
Shipbuilding, wooden, including boat building..... 3
Show cases..... 1
Slaughtering and meat packing..... 2
Statuary and art goods..... 1
Structural ironwork, not made in steel works or rolling mills..... 3
Tinware, not elsewhere specified..... 1
Tobacco, cigars..... 1

Tools, not elsewhere specified..... 1
Trunks and valises..... 2
Waste, cotton..... 1
Window and door screens..... 1
Wirework, including wire rope and cable, not elsewhere specified..... 2
Wood preserving..... 2
Wood, turned and carved..... 1
Wooden goods, not elsewhere specified..... 1
Worsted goods..... 1

¹ Same number reported for one or more other months.⁴ Same number reported throughout the year.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	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.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																		Dollars.
1	SAN ANTONIO—All industries	318	8,231	324	339	745	209	6,614	De	7,201	Ja	6,063	7,368	5,211	2,143	13	1	22,580,229
2	Automobile bodies and parts.....	8	45	8	1	1	.....	35	Au	39	Fe	31	35	35	.....	.....	.....	66,911
3	Automobile repairing.....	16	175	27	7	.....	9	132	De	141	Je	124	137	136	1	.....	.....	175,953
4	Bread and other bakery products....	43	300	51	17	10	10	212	No	234	Ja	188	234	198	38	.....	.....	481,267
5	Brooms, from broom corn.....	4	8	3	1	.....	.....	4	No	11	Ja ^s	2	10	10	.....	.....	.....	14,069
6	Cars and general shop construction and repairs by steam-railroad companies.	3	1,252	.....	13	20	4	1,215	Mh	1,253	Je	1,157	1,251	1,251	.....	.....	.....	1,359,629
7	Clothing, men's.....	4	203	4	3	3	1	192	Au	230	My	156	224	15	209	.....	.....	210,940
8	Coffee, roasting and grinding.....	8	38	9	4	9	1	15	Ja	16	Ap ^s	14	14	14	.....	.....	.....	115,840
9	Confectionery and ice cream.....	11	477	8	19	65	48	337	Je	365	De	201	313	186	119	8	.....	1,261,520
10	Copper, tin, and sheet-iron work.....	11	67	15	1	1	.....	50	Au	59	Ja ^s	41	55	55	.....	.....	.....	65,484
11	Dental goods.....	3	12	4	.....	.....	.....	8	Se	9	Fe	7	8	7	1	.....	.....	26,133
12	Electroplating.....	3	8	4	.....	.....	.....	4	De	6	Ja ^s	3	6	6	.....	.....	.....	6,456
13	Food preparations, not elsewhere specified.	9	72	9	4	4	1	54	Fe	59	Se	46	58	38	20	.....	.....	117,658
14	Foundry and machine-shop products.	10	546	10	23	73	16	424	De	482	My	400	486	486	.....	.....	.....	3,053,229
15	Ice, manufactured.....	7	257	3	16	12	1	225	Au	298	Ja	146	208	208	.....	.....	.....	736,860
16	Lumber, planing-mill products, not including planing mills connected with sawmills.	6	257	3	14	24	6	210	Au	247	Fe	171	221	221	.....	.....	.....	898,684
17	Marble and stone work.....	7	49	7	2	4	.....	36	Jy	40	Ap	31	37	37	.....	.....	.....	66,077
18	Mattresses and spring beds, not elsewhere specified.	10	40	11	2	2	.....	25	No	27	Jy ^s	23	28	23	5	.....	.....	83,614
19	Mineral and soda waters.....	9	265	11	18	32	12	192	Oc	249	Ja	79	197	189	8	.....	.....	2,197,346
20	Oil and cake, cottonseed.....	3	126	.....	11	10	.....	105	No	211	My	22	195	195	.....	.....	.....	927,550
21	Patent medicines and compounds....	7	67	24	6	4	1	32	Au	48	Se	13	45	43	2	.....	.....	64,125
22	Printing and publishing.....	55	1,107	50	59	272	45	681	No	708	My	600	692	613	76	3	.....	1,557,434
23	Slaughtering and meat packing.....	5	211	.....	16	24	1	170	Fe	200	Oc ^s	183	190	190	.....	.....	.....	641,214
24	Trunks and valises.....	3	26	5	1	.....	.....	20	De ^s	21	Ap	18	21	20	1	.....	.....	20,377
25	All other industries*.....	73	2,623	58	101	175	53	2,236	.....	.....	.....	.....	2,703	1,037	1,663	2	1	8,431,932

*All other industries embrace—

Artificial stone products.....	2	Boxes, wooden packing, except cigar boxes.....	1	Clothing, women's.....	3	Flour-mill and gristmill products.....	2
Awnings, tents, and sails.....	3	Butter.....	1	Cooperage.....	3	Furniture.....	2
Boot and shoe findings.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	1	Druggists' preparations.....	1	Gas, illuminating and heating.....	2
Boots and shoes.....	2	Cleaning preparations.....	2	Engines, steam, gas and water.....	1	Glass, cutting, staining, and ornamenting.....	2
Boxes, cigar.....	1	.....	.....	Engraving and designing.....	1	Hand stamps.....	1
Boxes, paper and other, not elsewhere specified.....	1	.....	.....	Engraving, steel and copper plate, including plate printing.....	1	.....	.....

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	ABILENE.....	22	194	31	16	13	4	138	Au	130	Mh	119	137	105	22	10	.....	581,857
2	AMARILLO.....	42	613	44	43	20	10	496	De	535	Ja	442	528	476	50	1	.....	1,048,998
3	AUSTIN.....	91	1,037	85	79	102	26	745	Oc	859	Fe	687	846	742	101	3	.....	4,305,933
4	BEAUMONT.....	69	2,000	41	152	171	51	1,585	Ja	1,872	Se	1,372	1,773	1,707	65	1	.....	7,891,473
5	BROWNSVILLE.....	18	156	16	15	6	.....	119	Se	138	Ja	102	116	110	4	2	.....	339,545
6	CLEBURNE.....	33	1,264	31	50	44	12	1,127	Oc	1,246	Mh	1,001	1,239	1,117	107	15	.....	1,601,151
7	CORPUS CHRISTI.....	20	153	20	13	23	8	94	Se	119	Mh	71	122	109	8	10	.....	1,021,494
8	CORSICANA.....	40	729	48	29	48	5	599	Se	692	Mh	519	671	585	84	2	.....	5,907,353
9	DEL RIO.....	6	105	5	3	3	1	93	De	102	Fe	89	101	99	1	1	.....	266,852
10	DENISON.....	42	1,217	37	51	26	19	1,084	No	1,160	Fe	1,029	1,147	1,123	24	.....	.....	1,991,157
11	GALVESTON.....	118	1,904	115	107	211	55	1,416	De	1,859	Mh	1,284	1,843	1,644	197	2	.....	10,607,805
12	GREENVILLE.....	29	260	31	32	20	14	163	De	221	My	119	226	214	12	.....	.....	3,179,851
13	LAREDO.....	30	363	30	16	11	3	303	Ap	317	Fe	276	338	290	45	3	.....	684,457
14	MARSHALL.....	24	1,815	19	73	36	17	1,670	Ap	1,917	De	1,573	1,633	1,614	20	4	.....	9,147,405
15	PALESTINE.....	17	1,187	15	36	37	15	1,084	De	1,124	Ja	1,034	1,131	1,122	3	6	.....	2,060,710
16	PARIS.....	52	1,164	51	69	83	22	939	Se	1,051	My	848	1,008	858	138	11	1	3,808,105
17	RANGER.....	17	237	14	31	19	3	170	Oc	226	Fe	89	213	203	3	7	.....	894,262
18	SAN ANGELO.....	30	202	31	9	9	9	144	Se	158	Ap	132	142	127	1	14	.....	401,087
19	SHERMAN.....	53	1,093	36	66	97	28	871	Se	1,036	Ap	714	943	682	258	1	2	9,392,282
20	TEMPLE.....	45	566	53	36	46	19	412	No	536	Ap	338	530	495	34	1	.....	2,043,833
21	TEXARKANA.....	38	963	25	49	63	24	802	Au	853	Oc	774	837	786	48	3	.....	3,085,042
22	TYLER.....	33	863	35	46	36	14	732	Au	762	My	696	756	678	77	1	.....	1,858,068
23	WACO.....	134	1,795	120	110	169	34	1,362	So	1,512	Mh	1,226	1,538	1,267	265	6	.....	6,656,809
24	WICHITA FALLS.....	69	1,236	90	64	109	41	932	De	1,099	Fe	805	1,110	1,064	43	3	.....	15,945,418

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).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks. etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 976,300	Dollars. 1,147,747	Dollars. 5,794,311	Dollars. 54,697	Dollars. 157,717	Dollars. 697,658	Dollars. 21,313,266	Dollars. 935,337	Dollars. 35,455,578	Dollars. 13,206,975	13,040	5,848	1,300	620	.....	5,272	903	1
2,080	2,100	41,504	.....	4,488	1,649	64,201	196	140,591	76,194	16	.....	.....	2	.....	14	.....	2
13,286	8,842	153,449	.....	13,391	955	104,761	4,844	347,776	238,171	116	.....	.....	.....	.....	71	.....	3
31,808	25,697	221,198	504	20,431	14,444	1,022,226	43,374	1,565,727	500,127	211	.....	.....	9	.....	202	.....	4
250	.....	3,353	.....	160	35	8,711	92	20,237	11,434	10	.....	.....	.....	.....	10	.....	5
35,429	28,612	1,644,826	.....	.....	3,871	634,458	43,934	2,455,050	1,776,658	627	121	.....	.....	.....	506	.....	6
13,560	8,387	79,276	.....	2,640	5,570	394,489	3,949	665,433	266,995	37	.....	.....	.....	.....	37	.....	7
9,855	8,357	15,456	1,865	4,380	12,957	363,724	3,714	487,106	119,668	55	.....	.....	.....	.....	55	.....	8
80,337	125,707	232,673	.....	5,368	60,984	962,733	43,230	1,805,346	799,383	617	66	.....	.....	.....	551	.....	9
1,125	1,400	60,269	200	4,065	446	83,229	1,737	198,863	113,897	35	.....	.....	.....	.....	35	.....	10
.....	.....	5,598	.....	600	62	13,713	228	31,359	17,418	5	.....	.....	.....	.....	5	.....	11
.....	.....	5,972	.....	2,260	37	1,564	859	12,538	10,115	23	.....	.....	.....	.....	23	.....	12
6,122	4,366	32,500	.....	3,209	814	175,635	6,088	249,918	68,195	201	80	.....	6	.....	115	.....	13
79,580	179,190	450,966	3,540	3,970	63,022	1,434,866	31,978	2,466,088	999,244	643	155	.....	45	.....	443	.....	14
44,841	23,372	204,397	1,500	174	37,860	91,244	128,568	692,131	472,319	1,442	130	.....	.....	.....	1,312	.....	15
33,348	27,154	183,853	.....	720	39,808	329,197	8,876	721,356	383,283	502	465	.....	6	.....	31	.....	16
2,000	5,500	45,718	9,210	720	960	52,822	2,887	134,901	81,192	134	.....	.....	105	.....	29	.....	17
4,040	1,083	16,138	50	1,393	313	91,762	740	134,349	41,857	38	.....	.....	2	.....	36	.....	18
54,161	79,724	259,272	237	5,228	86,015	806,251	64,152	1,581,428	711,025	2,281	1,125	1,050	.....	.....	106	753	19
25,726	14,043	81,436	.....	7,892	1,789,954	45,441	2,083,699	248,204	1,435	1,435	1,425	.....	10	.....	.....	.....	20
5,100	4,745	18,758	.....	927	113	38,384	118	77,342	38,840	11	.....	.....	.....	.....	11	.....	21
173,063	283,864	575,382	27,164	35,013	63,306	977,852	27,858	2,555,670	1,852,960	642	.....	.....	2	.....	640	.....	22
36,555	36,337	188,743	981	1,060	40,412	2,218,592	40,852	2,710,847	451,403	748	651	.....	.....	.....	97	150	23
2,500	.....	21,393	.....	2,570	945	47,321	122	89,799	42,356	5	.....	.....	.....	.....	5	.....	24
321,534	279,267	1,252,031	8,846	45,850	255,088	9,605,587	431,600	13,923,124	3,886,037	3,206	1,630	250	388	.....	938	.....	25

Instruments, professional and scientific.....	1	Minerals and earths, ground.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1	Structural ironwork, not made in steel works or rolling mills.....	1
Iron and steel, welding.....	2	Optical goods.....	2	Shirts.....	2	Tobacco, smoking.....	1
Jewelry.....	3	Petroleum, refining.....	2	Soap.....	2	Tobacco, cigars.....	4
Lamps and reflectors.....	1	Photo-engraving.....	2	Stationery and art goods.....	1	Toys and games.....	2
Leather, tanned, curried, and finished.....	1	Pickles, preserves, and sauces.....	4	Stoves, gas and oil.....	1	Vinegar.....	1
		Saddlery and harness.....	3			Wirework.....	1

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

20,228	15,042	105,871	421	12,936	5,276	438,209	14,085	765,834	313,540	469	195	.....	30	.....	244	.....	1
92,741	30,513	678,075	6,058	18,335	29,523	746,277	61,884	1,896,601	1,088,440	1,612	801	.....	8	.....	803	18	2
181,371	166,727	698,870	218,938	39,685	41,040	2,691,856	174,766	4,996,021	2,129,409	3,302	1,610	50	535	.....	1,107	224	3
446,068	313,095	1,974,772	36,629	46,099	340,624	10,103,258	210,746	14,921,682	4,598,678	7,265	4,385	.....	25	.....	2,855	280	4
15,394	1,739	90,575	460	4,200	9,841	304,363	34,496	504,754	165,865	770	650	.....	.....	.....	120	.....	5
129,056	70,254	1,495,746	.....	13,899	18,407	1,217,930	168,711	3,334,989	1,948,348	1,757	675	.....	.....	.....	1,082	5	6
17,878	29,853	92,462	1,268	7,112	7,837	330,488	36,227	647,049	280,334	575	430	10	.....	.....	135	25	7
91,690	86,420	664,585	1,560	16,163	312,887	4,825,259	162,633	8,001,243	3,013,351	2,871	1,110	.....	1,000	2	759	620	8
3,078	3,091	119,069	.....	1,210	955	101,189	16,867	271,260	153,214	183	170	.....	.....	.....	13	3	9
119,722	47,687	1,579,830	3,215	7,513	38,235	2,947,080	79,757	5,077,916	2,051,079	3,806	1,074	.....	154	.....	2,578	.....	10
261,663	335,409	1,692,186	100,976	59,143	199,903	10,339,976	240,735	14,979,034	4,398,323	7,643	3,349	240	252	.....	3,802	1,092	11
72,190	55,669	208,794	1,800	8,964	47,144	3,152,621	79,401	4,152,399	920,377	1,871	1,705	.....	5	.....	161	143	12
21,554	12,002	237,793	1,140	7,155	9,480	232,730	34,115	704,877	438,032	584	319	.....	152	.....	113	75	13
171,173	72,857	2,119,298	240	5,535	69,727	4,165,418	103,479	6,904,078	2,635,181	1,633	1,016	.....	225	.....	292	40	14
88,287	62,464	1,352,561	1,500	3,795	15,990	1,060,229	102,551	2,809,713	1,646,933	1,060	750	.....	6	.....	1,204	10	15
184,108	187,168	711,317	.....	25,260	126,620	3,777,917	96,350	6,079,514	2,205,247	3,788	1,400	21	152	.....	2,215	2	16
42,847	22,922	221,063	4,635	7,689	17,285	626,104	10,723	1,357,517	720,690	629	423	.....	133	.....	73	16	17
16,020	15,389	136,948	720	11,184	3,822	162,686	30,280	453,621	260,655	743	516	.....	4	.....	223	.....	18
172,980	199,766	699,207	16,837	18,286	211,100	15,942,872	129,244	19,175,558	3,103,442	4,314	1,710	199	.....	.....	2,405	144	19
110,716	65,988	467,360	12,362	16,370	41,211	1,711,602	87,440	2,839,366	1,040,424	1,841	905	.....	4	.....	932	51	20
140,536	118,631	787,665	7,203	11,383	135,782	2,491,386	98,444	4,474,319	1,884,489	3,519	2,120	.....	230	.....	1,169	20	21
108,537	48,246	898,030	3,064	7,609	19,882	1,177,227	73,503	2,615,694	1,364,964	2,289	1,817	80	19	15	358	923	22
347,561	317,877	1,271,721	37,151	94,016	146,969	8,094,899	199,340	13,085,252	4,791,013	4,981	1,920	118	.....	.....	2,795	185	23
267,882	134,789	1,342,835	0,284	30,281	211,082	11,447,214	217,906	16,832,429	5,167,309	3,519	1,230	.....	541	.....	1,748	76	24

¹ Same number reported for one or more other months.⁴ Excludes Port Arthur to avoid disclosure of individual operations.

MINES AND QUARRIES—TEXAS.

EXPLANATION OF TERMS.

Scope of census and period covered.—The census of mines, quarries, and petroleum or natural-gas wells does not cover enterprises which were idle; that is, in which neither productive nor development work was done during the entire year, or the products of which were valued at less than \$500; or in the case of bituminous coal mining, producing less than 1,000 tons, or, if not productive, in which development work amounting to less than \$5,000 was done. The returns relate to the calendar year 1919. When use is made of the statistics relating to character of ownership, size of enterprises, and similar subjects, it is imperative that due attention be given their limitations, particularly in connection with any attempt to show average wages, cost of production, or profits.

The enterprise.—The term "enterprise" represents one or more mines and quarries, wells or groups of wells, or natural-gas gasoline plants, all within the same state, operated under a common ownership or unified control, or for which only one set of books of account was kept, and for which a single report was secured. It may cover plants at several localities within the same state. If plants under unified control were not all located within the same state, separate reports were secured in order that statistics for the several enterprises thus defined might be included in statistics for the states in which they were located. The enterprise is further defined as being limited to a single industry.

Number of mines, quarries, wells, and plants.—Under these designations is given the number of mines, quarries, wells, and gasoline plants shown by the returns. As a rule each group of workings at a given locality in which operations were conducted as a unit or were unified by common management or joint handling of some part of the mining process, has been considered as a single mine or quarry. Many individual openings, therefore, are not counted as individual mines. The total number reported comprises those in operation or in the course of development during the year 1919. For petroleum and natural-gas wells the individual wells were counted and the total number productive December 31, 1919, is reported. The number of natural-gas gasoline plants is the total number reported in operation during the year.

Classification by industries.—The enterprises reported have been grouped by industries according to the kind of products.

Selected industries.—The detailed table gives the principal facts separately for the leading industries of the state.

Influence of increased prices.—In comparing figures for cost of supplies and materials and value of products with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years.

Persons engaged in the industry.—The number of persons engaged in each industry, by occupation, sex, and, in the case of wage earners, also by age, was reported for a single representative day. In addition to the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or 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.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively.

Prevailing hours of labor.—This inquiry called merely for the prevailing practice followed in each enterprise. Occasional variations in hours from one part of the year to another were disregarded, and also where a few wage earners might have hours differing from the majority. All the wage earners of each enterprise are therefore counted in the class within which the enterprise falls.

Capital.—The instructions on the schedule relating to capital were as follows: "The answer should show the total amount of capital, owned and borrowed, invested by the operator in the enterprise on the last day of the business year reported. Do not include securities and loans representing investments in other enterprises." The reports received in respect to capital, however, have in so many cases been defective that the data compiled only indicate very general conditions.

Expenses.—The expenses reported in the census of 1919 include salaries and wages; the cost of supplies, materials, and fuels, including the freight on these; cost of power purchased; the cost of contract work; royalties and rents paid; and taxes paid or assessed. The census of 1909 reported in addition to the items of expenses covered by the present census all other items of expense incident to that year's business, except interest on indebtedness, dividends, and allowances for depreciation.

Supplies and materials, fuel, and power.—Statistics as to supplies and materials, fuel, and power, relate to the cost of these used during the year which may be more or less than the amount purchased during the year. The term "supplies and materials" covers mine, mill, quarry, and well supplies, and mineral purchased for treatment, resale, or distribution.

Royalties and rents.—The amounts given under this head represent the payment to fee holders or the value of share of product credited to fee holders for mineral output from leased land, and also rents paid for plants, equipment, and privileges or easements.

Taxes.—The taxes include Federal capital stock; corporation income, and excess profits tax; and also state, county, and local taxes. The data compiled in respect to Federal taxes are very defective as many mining corporations are engaged in other business and have sources of income other than from mining and do not pay taxes on mining separately.

Expenditures for development work.—In the statistics for producing enterprises that part of the expenses for salaries, wages, contract work, supplies and materials, fuel, and power credited to development work is shown as expenditures for development work. For nonproducing enterprises the total of these expenses is given as expenditure for development work.

Quantity of products.—In so far as the statistics on quantities of mineral products in 1919 are available for the states, they will be found in the reports of the United States Geological Survey.

Value of products.—The amounts given under this heading represent the selling value at point of production or f. o. b. at point of shipment, or such other value as may represent the net value or amount received for the 1919 product under the terms by which it was disposed of, and also includes the value at point of production of products used by the operating company.

Cost of mining and profits.—The data do not show entire cost of mining and well operations, and can not be used for the calculation of profits. No account was taken of depreciation or interest; rent of offices and buildings other than those for mines, quarries, and wells; insurance, selling, and other sundry expenses.

Lands controlled.—The inquiry on land tenure was confined to land pertaining to the operations covered by the report. In many of these, however, land held in reserve for future development and for other purposes not pertaining to mining was included and also a large number of more or less unsatisfactory estimates.

Power used.—The figures on power represent the rated capacity of the engines, motors, etc., and not the amount in actual daily use.

Fuel.—Statistics of fuel are shown only for anthracite and bituminous coal, coke, wood, oil, and gas. As only the principal varieties of fuel are shown, no comparison can be made with the total cost.

STATISTICS FOR THE STATE.

Texas, which ranks first among the states in size (land area 262,398 square miles) and fifth in population (4,663,228 in 1920), ranked sixth in value of mineral products for 1919. The state ranked tenth in the total number of persons engaged in the mining industries and eleventh in the average number of wage earners employed.

The gross amount received for products by operators of all mines, quarries, and wells in Texas in 1919 was \$160,378,058, an increase of 1,393 per cent over the corresponding amount reported at the census of 1909. After eliminating duplication of \$360,637, the value of natural gas sold by some producers and included in the products reported by other producers who used it as material or resold it, the net value for 1919 was \$160,017,421, which was an increase of approximately 1,400 per cent over the corresponding value for 1919. The value of the products for 1919 includes \$310,340 received by operators of mines, quarries, and wells for power sold and work or miscellaneous services for other enterprises.

The increases in value of products, and in capital, wages, cost of supplies and materials and fuel and power, as shown in Table 1, while in large part due to general price increases in recent years, nevertheless show the growth of mineral industries in Texas. The increases in number of enterprises, number of productive wells, and average number of wage earners employed also show progress during the decade.

The mining industries reported for 1919, classified according to principal products and listed in order of value of products, were petroleum and natural gas, sulphur, bituminous coal, gypsum, gold and silver (lode), quicksilver, limestone, fuller's earth, granite, asphalt, clay, basalt, iron ore, marble, and graphite. The industries for which statistics can be shown without disclosure of individual operations are ranked by value of products in Table 2.

The leading mining industry in Texas in 1919 was the production of petroleum and natural gas. The statistics here presented include data on operation of plants engaged in extraction of gasoline from natural gas, whether such plants were connected with well operations or not. Approximately 90 per cent of all enterprises in the state were engaged in the petroleum and natural-gas industry, and they employed 74.9 per cent of the total number of wage earners and reported as value of products \$143,337,362, or 89.4 per cent of the total value of products. The petroleum and natural-gas fields in Texas are the most extensive of any state in the Union; those in the northern and central counties, 30 of which reported production, are part of the Mid-Continent Oil Field which extends into Oklahoma and northern Louisiana; and those of the southeastern

counties, 10 of which reported production in 1919, are part of the Gulf Coast Field which extends into southern Louisiana. On the basis of value of production Texas ranked second in the United States in the petroleum and natural-gas industry.

The mining industry second in importance in Texas in 1919 was the production of sulphur in Brazoria and Matagorda Counties. Texas ranked first in the United States in this mining industry, statistics for which are not presented in order to avoid disclosure of individual operations.

The industry third in importance was the mining of coal, 4 counties in central northern Texas and 2 in southern Texas reporting production of subbituminous coal, and 12 counties in eastern and central Texas reporting production of lignite.

Other industries of minor importance in the state, but in which Texas ranked high among the producing states, were quicksilver and fuller's earth, in each of which Texas ranked second; and asphalt, in which it ranked third.

In addition to operations on producing mineral properties, work was reported by 64 enterprises in the petroleum and natural-gas industry engaged in developing nonproductive properties. These, with a combined capital of \$17,105,680, employed 179 wage earners and expended for development work \$2,871,256; the figures for wage earners and cost of development work represented 1 per cent of the aggregate number of wage earners employed and 2 per cent of the aggregate principal expenditures for all mining operations in the state. Development work was also reported by 1 nonproducing coal enterprise, for which statistics are not included in order to avoid disclosure of individual operations.

The character of organizations conducting mining enterprises in Texas in 1919 is shown in Table 3, which brings out the extent of corporate control. Although corporations conducted only 53.2 per cent of the total number of enterprises, they employed 89.4 per cent of the total number of wage earners and reported 85.4 per cent of the total value of products.

The relatively large number of small enterprises, as measured by the average number of wage earners employed, is shown in Table 4. Of the total number of mining enterprises in Texas, 94.8 per cent had no wage earners or fewer than 101 each, and the wage earners employed were only 32 per cent of the total number. On the other hand, 5.1 per cent of the total number of enterprises had more than 100 wage earners each and these enterprises employed 68 per cent of the total number of wage earners. The largest enterprises in the petroleum and natural-gas industry, those reporting over 500 wage earners each, made

combined reports for operations in several localities; the actual individual operations in this industry were smaller, therefore, than indicated by the table. The largest single operations were in the coal and sulphur-mining industries.

Table 5 shows that in a majority of the enterprises employing wage earners and for 61.8 per cent of the total number of wage earners the hours of labor were 63 or more per week. These hours prevailed in the petroleum and natural-gas industry and were reported by only one enterprise in another industry. In the coal-mining industry the hours of labor were generally 44 to 53 per week, with the 8-hour day and 6-day

week prevailing; in other mining and quarrying industries the hours were most commonly 54 to 62 per week, with a 9-hour or 10-hour day and 6-day week prevailing.

The statistics for wage earners presented in Table 6, showing the changes in the number employed month by month, reflect conditions prevailing in the industries during the census year. The minimum number in the coal industry in November was abnormal and due to the great strike.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without disclosure of individual operations.

TABLE 1.—COMPARATIVE SUMMARY, PRODUCING ENTERPRISES: 1919 AND 1909.

	MINING INDUSTRIES.		Per cent of increase. ¹		MINING INDUSTRIES.		Per cent of increase. ¹
	1919	1909			1919	1909	
Number of enterprises.....	624	236	164.4	Capital.....	\$361,634,392	\$19,575,969	1,747.6
Number of mines and quarries.....	81	92		Principal expenses:			
Number of petroleum and natural-gas wells.....	8,749	2,270	283.9	Salaries.....	6,423,658	541,762	1,086.9
Number of natural-gas gasoline plants.....	23			Wages.....	29,557,997	3,997,495	639.4
Persons engaged.....	22,890	7,065	224.0	Contract work.....	25,773,700	152,086	16,845.7
Proprietors and firm members, total.....	484	261	85.4	Supplies and materials.....	45,401,592	1,833,415	2,376.3
Number performing manual labor in or about the mines, quarries, and wells.....	52	65		Fuel and power.....	6,189,559	255,614	2,321.4
Salaried employees.....	4,242	425	898.1	Royalties and rents.....	23,912,179	917,799	2,595.4
Wage earners (average number).....	18,164	6,379	184.7	Taxes.....	4,045,981	62,333	6,390.9
Power used (horsepower).....	129,063	32,003	303.3	Value of products.....	160,378,058	10,742,150	1,393.0

¹ Percentages are omitted where base is less than 100.

² Includes cost of natural gas purchased for use as material and for resale.

TABLE 2.—PRINCIPAL INDUSTRIES, PRODUCING ENTERPRISES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.		INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.			Average number.	Per cent distribution.	Amount.	Per cent distribution.
All industries.....	624	18,164	100.0	\$160,378,058	100.0	Coal, bituminous.....	33	2,711	14.9	\$4,322,100	2.7
Petroleum and natural gas.....	553	13,599	74.9	143,337,362	89.4	All other industries.....	38	1,854	10.2	12,718,596	7.9

¹ Includes enterprises in industries as follows: Asphalt, 1; basalt, 1; clay, 2; fuller's earth, 1; gold and silver, lode mines, 1; granite, 8; graphite, 1; gypsum, 3; iron ore, 1; limestone, 12; marble, 1; quicksilver, 4; sulphur, 2.

TABLE 3.—CHARACTER OF ORGANIZATION, FOR SELECTED INDUSTRIES, PRODUCING ENTERPRISES: 1919.

INDUSTRY AND CHARACTER OF ORGANIZATION.	Number of enterprises.	Number of wage earners.	VALUE OF PRODUCTS.		PER CENT DISTRIBUTION.		
			Total.	Per enterprise.	Enterprises.	Wage earners.	Value of products.
ALL INDUSTRIES.....	624	18,164	\$160,378,058	\$257,016	100.0	100.0	100.0
Corporation.....	332	16,230	136,890,174	412,320	53.2	89.4	85.4
Individual.....	54	404	2,289,434	42,397	8.7	2.2	1.4
Firm.....	105	994	11,795,704	112,340	16.8	5.5	7.4
Other.....	133	527	9,402,746	70,697	21.3	2.9	5.9
PETROLEUM AND NATURAL GAS.....	553	13,599	143,337,362	259,200	100.0	100.0	100.0
Corporation.....	284	12,055	120,465,905	424,176	51.4	88.6	84.0
Individual.....	37	160	1,833,584	50,908	6.7	1.2	1.3
Firm.....	100	866	11,586,622	115,866	18.1	6.4	8.1
Other.....	132	518	9,401,251	71,222	23.9	3.8	6.6
COAL, BITUMINOUS.....	33	2,711	4,322,100	130,973	100.0	100.0	100.0
Corporation.....	29	2,615	4,205,450	145,016	87.9	96.5	97.3
Unincorporated.....	4	96	116,650	29,183	12.1	3.5	2.7

¹ Includes 1 firm, 2 individuals, and 1 other form of organization.

MINES AND QUARRIES—TEXAS.

TABLE 4.—SIZE OF PRODUCING ENTERPRISES, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.		INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.	
	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.
ALL INDUSTRIES.....	624	100.0	18,164	100.0	COAL, BITUMINOUS.....	33	100.0	2,711	100.0
No wage earners.....	70	11.2	.....	.....	1 to 5.....	2	6.1	10	0.4
1 to 5.....	306	49.0	628	3.4	6 to 20.....	9	27.3	114	4.2
6 to 20.....	138	22.1	1,471	8.1	21 to 50.....	8	24.2	274	10.1
21 to 50.....	50	8.0	1,591	8.8	51 to 100.....	7	21.2	497	18.3
51 to 100.....	28	4.5	2,129	11.7	101 to 500.....	6	18.2	972	35.9
101 to 500.....	25	4.0	6,116	33.7	501 to 1,000.....	1	3.0	844	31.1
501 to 1,000.....	5	0.8	3,652	20.1					
Over 1,000.....	2	0.3	2,577	14.2					
PETROLEUM AND NATURAL GAS..	553	100.0	13,599	100.0					
No wage earners.....	70	12.7	.....	.....			
1 to 5.....	294	53.2	588	4.3					
6 to 20.....	120	21.7	1,256	9.2					
21 to 50.....	30	5.4	933	6.9					
51 to 100.....	17	3.1	1,308	9.6					
101 to 500.....	17	3.1	4,744	34.9					
501 to 1,000.....	3	0.5	2,193	16.1					
Over 1,000.....	2	0.4	2,577	18.9					

TABLE 5.—NUMBER OF PRODUCING ENTERPRISES AND AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—											
	Enter-prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.		63 to 71.		72 to 84.	
			Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.	Enter-prises.	Wage earners.
All industries.....	1,554	18,164	14	82	12	521	68	2,447	134	3,881	157	6,538	169	4,095
Petroleum and natural gas.....	483	13,599	13	26	5	6	37	276	103	2,096	156	6,500	169	4,095
Coal, bituminous.....	33	2,711	1	56	7	515	20	1,959	5	181	1	38	.....	.....
All other industries.....	38	1,854	.....	.....	.....	.....	11	212	26	1,604	.....	.....	.....	.....

¹ Exclusive of 70 enterprises in the petroleum and natural-gas industry employing no wage earners.

TABLE 6.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES: 1919.

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

INDUSTRY.	Average number employed 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.	Sep-tember.	Octo-ber.	Novem-ber.	Decem-ber.	
All industries.....	18,343	14,746	15,094	16,048	16,810	17,404	17,442	18,638	20,633	21,209	21,102	19,740	21,250	69.4
Producing enterprises.....	18,164	14,661	15,003	15,942	16,688	17,263	17,259	18,459	20,420	20,975	20,853	19,474	20,971	69.9
Petroleum and natural gas.....	13,599	9,880	10,325	11,195	11,821	12,386	12,554	13,757	15,767	16,351	16,429	16,240	16,483	59.9
Coal, bituminous.....	2,711	3,138	3,075	2,983	2,944	2,919	2,817	2,790	2,740	2,692	2,529	1,568	2,553	43.1
All other industries.....	1,854	1,643	1,603	1,764	1,923	1,958	1,888	1,912	1,913	1,932	1,895	1,882	1,935	81.9
Nonproducing enterprises—Petroleum and natural gas.....	179	86	91	106	122	141	183	179	213	234	249	266	279	30.5

TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919.

	Aggregate.	PRODUCING ENTERPRISES.				NONPRODUCING ENTERPRISES. ^a
		Total.	Petroleum and natural gas. ¹	Coal, bituminous.	All other. ²	Petroleum and natural gas.
Number of enterprises.....	888	624	553	33	38	64
Number of mines and quarries.....	81	81	42	39	.....	.....
Number of petroleum and natural-gas wells.....	8,749	8,749	8,749	.....	.....	.....
Number of natural-gas gasoline plants.....	23	23	23	.....	.....	.....
Capital.....	\$378,790,072	\$301,694,392	\$334,206,796	\$3,682,267	\$18,795,329	\$17,105,680
Principal expenses:						
Salaries and wages—						
Officers.....	\$1,309,695	\$1,235,445	\$915,859	\$107,349	\$212,237	\$74,250
Superintendents and managers.....	\$2,558,017	\$2,484,075	\$2,166,042	\$100,040	\$217,393	\$78,642
Technical employees.....	\$559,113	\$549,040	\$449,161	\$10,000	\$89,879	\$10,073
Clerks, etc.....	\$2,232,528	\$2,181,308	\$1,922,928	\$53,143	\$185,327	\$71,130
Wage earners.....	\$20,923,629	\$20,557,997	\$24,569,129	\$2,849,528	\$2,139,342	\$365,682
Supplies and materials.....	\$40,580,698	\$45,040,955	\$42,780,088	\$387,935	\$1,872,932	\$1,519,743
Cost of natural gas purchased as material and for resale.....	\$360,637	\$360,637	\$360,637	.....	.....	.....
Fuel.....	\$6,222,720	\$6,093,106	\$4,372,195	\$83,496	\$1,637,415	\$129,614
Power.....	\$98,453	\$98,453	\$55,655	\$597	\$40,201	.....
Royalties and rents.....	\$24,016,403	\$23,912,170	\$23,760,848	\$84,505	\$76,826	\$104,224
Taxes.....	\$4,050,274	\$4,046,981	\$3,611,261	\$74,085	\$360,655	\$4,293
Contract.....	\$26,612,163	\$26,778,700	\$26,766,157	\$4,543	\$3,000	\$338,463
Expenditures for development (included in the above items).....	\$74,574,988	\$71,703,732	\$71,259,170	\$107,065	\$337,497	\$2,871,256
Value of products.....	\$160,378,058	\$160,378,058	\$143,337,362	\$4,322,100	\$12,718,596	.....
Persons engaged in industry.....	23,222	22,890	17,904	2,862	2,124	332
Proprietors and firm members (total).....	494	484	453	4	27	10
Number performing manual labor.....	58	52	47	2	3	6
Salaried officers.....	352	329	262	44	23	23
Superintendents and managers.....	1,010	971	852	53	66	39
Technical employees.....	233	226	183	9	34	7
Clerks, etc.....	2,790	2,716	2,555	41	120	74
Wage earners (average number).....	18,343	18,164	13,599	2,711	1,854	179
Wage earners by occupation (Dec. 15):						
Above ground (total).....	19,025	18,715	16,598	394	1,733	310
Below ground (total).....	2,732	2,732	.....	2,455	277	.....
Foremen, shift bosses, etc.—						
Above ground.....	131	131	.....	43	88	.....
Below ground.....	65	65	.....	56	9	.....
Enginemen, hoistmen, electricians, mechanics, etc.—						
Above ground.....	10,035	9,839	9,357	113	369	196
Below ground.....	86	86	.....	85	1	.....
Miners, quarrymen, and drill men, including their helpers—						
Above ground.....	232	232	.....	32	200	.....
Below ground.....	1,893	1,863	.....	1,783	30	.....
Timbermen, trackmen, and men engaged in hauling, tramming, etc.—						
Above ground.....	148	148	.....	60	88	.....
Below ground.....	509	509	.....	448	61	.....
Muckers, loaders, laborers, and others not classified—						
Above ground.....	8,280	8,166	7,231	146	789	114
Below ground.....	209	209	.....	83	126	.....
Wage earners employed in mills and beneficiating plants—						
Above ground.....	199	199	.....	.....	199	.....
Number of females included in wage earners reported above—						
Above ground.....	35	35	35	.....	.....	.....
Number of wage earners under 16 years of age included in those reported above—						
Above ground.....	10	10	.....	8	2	.....
Mineral and oil land operated..... acres..	1,550,899	1,397,678	1,289,710	50,124	57,844	153,221
Land controlled, total..... acres..	1,639,481	1,486,260	1,289,710	135,288	61,262	153,221
Mineral and oil land owned.....	108,413	107,867	35,246	32,433	40,189	546
Mineral and oil land leased.....	1,442,616	1,289,841	1,254,465	17,721	17,655	152,675
Timber and other lands owned and leased.....	88,652	88,552	.....	85,134	3,418	.....
Power used: Aggregate horsepower.....	131,247	129,003	107,549	6,137	15,377	2,184
Prime movers (horsepower, total).....	128,698	125,909	106,174	6,042	13,693	2,184
Steam engines—						
Number.....	2,494	2,454	2,174	76	204	40
Horsepower.....	74,655	72,967	58,988	5,190	8,789	1,638
Steam turbines—						
Number.....	6	6	.....	1	5	.....
Horsepower.....	2,700	2,700	.....	100	2,600	.....
Internal-combustion engines—						
Number.....	1,854	1,829	1,734	11	84	25
Horsepower.....	50,736	50,240	47,186	752	2,302	496
Water wheels and turbines—						
Number.....	1	1	.....	.....	1	.....
Horsepower.....	2	2	.....	.....	2	.....
Purchased power (horsepower, total).....	3,154	3,154	1,375	95	1,684	.....
Electric motors operated by purchased current—						
Number.....	129	129	64	3	62	.....
Horsepower.....	3,154	3,154	1,375	95	1,684	.....
Electric motors run by current generated by enterprise using:						
Number.....	164	163	95	25	43	1
Horsepower.....	4,625	4,623	2,442	783	1,398	2
Fuel used:						
Coal, bituminous..... tons, 2,000 pounds..	68,057	66,743	8,089	53,867	4,787	1,314
Coke..... tons, 2,000 pounds..	5,170	5,170	.....	.....	5,170	.....
Wood..... cords.....	2,176	2,176	.....	.....	2,176	.....
Fuel oils..... barrels.....	2,899,651	2,739,860	2,332,649	860	406,351	159,791
Gasoline and other volatile oils..... barrels.....	14,187	13,287	9,527	155	3,605	900
Natural gas..... 1,000 cubic feet.....	10,774,715	10,396,846	10,285,933	110,913	.....	377,889

¹ Not including a small operation inseparably combined with report on Oklahoma operations.² Includes enterprises as follows: Asphalt, 1; basalt, 1; clay, 2; fuller's earth, 1; gold and silver, lode mines, 1; granite, 8; graphite, 1; gypsum, 3; iron ore, 1; limestone, 12; marble, 1; quicksilver, 4; sulphur, 2.³ Exclusive of 1 coal-mining enterprise to avoid disclosure of individual operations.