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FOURTEENTH CENSUS OF THE UNITED STATES  
 MANUFACTURES: 1919

AUTOMOBILES  
 INCLUDING BODIES AND PARTS

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## EXPLANATION OF TERMS.

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

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

**Period covered.**—The returns relate to the calendar year 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 products of this class may be made in establishments in which it is not the product of chief value.

**Influence of increased prices.**—In comparing figures for cost of materials, value of products, and value added by manufacture in 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.

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

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

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

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

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

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

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

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

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

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

These instructions were identical with those employed at the censuses of 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 general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

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

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

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

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

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

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

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

# AUTOMOBILES, INCLUDING BODIES AND PARTS.

## GENERAL STATISTICS.

**General character of the industry.**—The figures covering the operations of the automobile industry, as shown in this bulletin, are derived from a consolidation of the reports made (1) by establishments manufacturing complete automobiles as their product of chief value, and (2) those engaged chiefly in the production of automobile bodies and parts. The term "bodies and parts" as here used signifies all automobile parts other than tires, engines, lamps, springs, and electric motors and starting and lighting systems. The products of establishments of the second class largely become the material of those of the first class, while a number of establishments manufacturing chiefly complete automobiles reported considerable quantities of bodies and parts. There is thus a considerable duplication in the industry as a whole. The statistics for the factories which produce complete machines and those which manufacture bodies and parts do not, however, indicate the full extent and importance of the automobile industry, because of the large number of establishments in other industries, which manufacture engines, motors, parts of machinery, tools, rubber tires, and other parts and accessories of automobiles.

Statistics are also shown for the repairing of automobiles and vulcanizing of tires.

**Comparative summary.**—Table 1 summarizes the statistics for the combined industry for each census since 1899, with percentages of increase for each five-year period. The figures of each census up to and including that of 1914 are fairly comparable and indicate the remarkable growth of the industry during that period. In considering the exceedingly large increases from 1914 to 1919, in salaries and wages, cost of materials, and value of products, consideration must be given to the general rise of prices and wages, following the World War, which do not therefore fairly measure the growth of the industry for that period. A truer index of the conditions is found in the increase in the average number of wage earners and primary horsepower. Between 1914 and 1919 the manufacture of automobiles advanced in rank among the manufacturing industries of the country from eighth to third place with respect to value of products.

**Summary of the industry.**—Table 2 presents a summary of the combined industry and each of the branches, for the United States as a whole for 1919.

Of the 2,830 establishments in the combined industry, only 315, or 11.1 per cent, were engaged primarily in the manufacture of complete automobiles, but these

establishments employed 61.4 per cent of the total number of wage earners and reported 77.5 per cent of the total value of products.

The net value of products of the automobile industry as a whole is probably most nearly represented by the total value of the complete machines manufactured, \$1,554,881,496. This figure, however, excludes the value of bodies, parts, and accessories made for sale as such to garages and dealers.

**Principal states, ranked by value of products.**—Michigan, as shown by Table 3, was preeminently the leading state in the industry in 1919, as it was in 1914, 1909, and 1904. For 1919 the establishments in Michigan reported 51.3 per cent of the total average number of wage earners employed in the combined industry, 52.6 per cent of the value of products, and 58.0 per cent of the value added by manufacture. In 1919 this state employed 48,893, or 38.5 per cent, more wage earners and reported \$987,551,882, or 156.1 per cent, greater product than was reported for the entire industry in the United States in 1914. The four leading states, Michigan, Ohio, New York, and Indiana, have held the same relative rank since the census of 1909, and in 1919 these four states produced 77.6 per cent of the total value of products for the industry.

**Persons engaged in the industry.**—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. The age classification of the average number of wage earners in Table 4 is an estimate obtained by the method described in the "Explanation of terms," page 2. Figures by states will be found in Table 17.

**Wage earners, by months, by states.**—As shown by Table 5, the number of wage earners employed in the industry month by month ranged from a maximum of 399,044 in December to a minimum of 283,491 in January, the minimum number being equivalent to 71 per cent of the maximum. Figures are given for all states reporting an average of over 500 wage earners that could be shown without disclosing operations of individual establishments.

**Average number of wage earners, by prevailing hours of labor per week, by states.**—Table 6 shows a marked shortening of the working day for the industry since 1914. In that year only 33.3 per cent were reported as employed fewer than 54 hours as compared with 80.7 per cent in 1919. This reduction is especially noticeable in the state of Michigan, where only 8.9 per cent of the total wage earners were employed 54 hours or over.

Size of establishments, by average number of wage earners, by states.—Analysis of Table 7 discloses the significant fact that 1,362 establishments, or 48.1 per cent of the total number for the industry, employed less than six wage earners each while only 2,644, or eight-tenths of 1 per cent of the total number of wage earners, were employed therein, evidencing the predominance of the small establishments based on the average number of wage earners. On the other hand, the group "501 to 1,000 wage earners" and "Over 1,000 wage earners" comprising 107 establishments, or 3.8 per cent of the total number in the industry, employed 257,141 wage earners, or 74.9 per cent of the total average number, illustrating the extent of manufacturing operations in a few large establishments.

Size of establishments, by value of products.—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 in the case of all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914. The statistics in Table 8 show the degree of concentration of production in large establishments. In 1919 the group "\$1,000,000 and over" included 270 establishments, or 9.5 per cent of the total number for the industry, employed 297,915 wage earners, or 86.8 per cent of the total average number, and reported products to the value of \$2,871,134,025, or 93.2 per cent of the total value of products.

Character of ownership, by states.—Table 9 presents statistics concerning the character of ownership, or

legal organization, of establishments engaged in the industry in 1919, 1914, and 1909.

For 1914 and 1909 considerably more than one-half of the total number of establishments were under corporate ownership, but for 1919 less than one-half, or 44.1 per cent, as reported as owned by corporations. This decline in proportion is due to the large number of small establishments under individual and firm ownership in the "automobile bodies and parts" branch of the industry. Out of the 315 establishments engaged in the manufacture of complete automobiles 292, or 92.7 per cent, were reported as owned by corporations. In the combined industry in 1919 that class of ownership employed 97.3 per cent of the wage earners and reported 98.6 per cent of the total value of products.

Number and horsepower of types of prime movers.—From 1914 to 1919, as shown by Table 10, there was an increase in the total horsepower for the industry of 370,558 horsepower, or 213.4 per cent; owned power increased 88,986 horsepower, or 125.8 per cent; and electric rented power 277,232, or 271.4 per cent, during the five-year period. Not only has the use of electric rented power increased greatly, but a large proportion of the owned power was transformed into electric power, it representing 69.6 per cent of the total owned power reported in 1919.

Fuel consumed, by states.—Table 11 shows the principal kinds of fuel used for the industry in 1919 and 1914 and also gives separately the amounts consumed in states requiring considerable quantities of fuel for manufacturing purposes. Of the total for the three chief kinds of fuel used—bituminous coal, fuel oils, and gas—Michigan reported the largest consumption of each; using 50.8 per cent, 50.1 per cent and 38 per cent, respectively.

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

	1919	1914	1909	1904	1899	PER CENT OF INCREASE. <sup>1</sup>			
						1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	2,830	1,271	743	178	57	122.7	71.1	317.4	.....
Persons engaged.....	308,104	145,951	88,359	18,333	( <sup>2</sup> )	171.4	71.0	540.2	.....
Proprietors and firm members.....	2,165	700	405	103	( <sup>2</sup> )	184.9	87.7	293.2	.....
Salaried employees.....	50,824	18,099	9,233	1,181	208	180.8	96.0	681.8	340.7
Wage earners (average number).....	343,115	127,092	75,721	12,040	2,241	170.0	67.8	528.4	437.7
Primary horsepower.....	544,242	173,684	75,550	10,109	3,164	213.4	120.0	647.4	219.5
Capital.....	\$1,780,048,952	\$407,720,015	\$173,837,111	\$23,083,860	\$5,708,857	330.8	134.5	653.1	300.1
Salaries and wages.....	593,305,517	139,452,553	58,173,201	8,416,217	1,615,428	325.5	130.7	591.2	421.0
Salaries.....	102,184,144	37,525,679	9,479,424	1,257,250	204,770	172.3	295.0	654.0	326.5
Wages.....	491,121,373	101,926,874	48,693,867	7,158,968	1,320,658	381.8	100.3	580.2	442.1
Paid for contract work.....	1,758,343	3,954,924	550,320	1,000,576	( <sup>2</sup> )	-55.5	618.6	-48.1	.....
Rent and taxes.....	150,195,962	5,152,314	1,483,432	209,650	( <sup>2</sup> )	2,815.1	247.3	.....	.....
Cost of materials.....	1,949,678,876	350,207,930	131,645,739	13,151,365	1,804,287	444.8	170.6	901.0	628.0
Value of products.....	3,080,073,979	632,831,474	240,202,675	30,033,530	4,748,011	380.7	153.9	729.7	532.5
Value added by manufacture.....	1,139,393,103	270,623,544	117,556,339	10,882,171	2,943,724	311.0	135.3	596.3	473.5

<sup>1</sup> A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

<sup>2</sup> Figures not available.

<sup>3</sup> Exclusive of internal revenue.

<sup>4</sup> Value of products less cost of materials.



## MANUFACTURES.

TABLE 5.—WAGE EARNERS, BY MONTHS, BY STATES: 1919.

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

STATE.	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.	
United States.....	343,115	<b>283,491</b>	289,172	300,583	314,775	317,409	331,707	351,740	365,274	378,284	389,274	396,441	399,044	71.0
1919:														
Males.....	328,178	<b>269,021</b>	276,083	287,359	301,001	303,159	317,753	337,084	350,205	362,143	372,043	378,755	382,027	70.5
Females.....	14,937	<i>13,570</i>	<i>13,089</i>	<i>13,224</i>	<i>13,774</i>	<i>14,310</i>	<i>14,014</i>	<i>14,692</i>	<i>15,069</i>	<i>16,141</i>	<i>17,231</i>	<i>17,686</i>	<i>16,417</i>	74.0
1914.....	127,092	<b>126,974</b>	131,142	135,773	137,954	132,641	122,706	119,548	125,692	127,525	128,109	<i>117,990</i>	119,050	85.5
1909.....	75,721	<b>63,724</b>	66,806	71,142	73,752	75,481	79,176	76,519	78,468	77,445	77,280	82,056	89,888	69.8
California.....	3,008	<b>2,212</b>	2,529	2,659	2,825	3,089	3,133	3,080	3,051	3,281	3,355	3,475	3,457	63.7
Illinois.....	8,805	<b>7,315</b>	7,438	7,734	7,993	8,199	8,432	8,793	9,324	9,748	10,061	10,278	10,342	70.7
Indiana.....	25,773	<b>21,864</b>	21,634	23,097	24,291	25,315	26,109	26,652	26,953	27,266	27,059	29,230	29,800	72.6
Iowa.....	564	<b>499</b>	512	481	493	524	558	590	599	603	647	687	687	68.1
Massachusetts.....	4,530	<b>4,261</b>	4,359	4,363	5,825	4,183	4,222	4,301	4,683	4,780	5,024	4,983	5,310	72.0
Michigan.....	175,985	<b>136,212</b>	141,638	148,451	157,192	164,801	173,827	183,074	191,121	199,439	204,469	206,635	205,021	65.9
Missouri.....	3,240	<b>2,800</b>	2,828	2,919	3,071	3,180	3,312	3,352	3,300	3,382	3,503	3,555	3,588	78.0
New Jersey.....	5,519	<b>5,260</b>	4,935	4,873	4,838	4,982	5,086	5,685	5,817	6,025	6,125	6,100	6,373	75.9
New York.....	30,483	<b>27,845</b>	28,268	28,200	29,812	29,307	29,808	31,307	31,730	32,427	33,159	31,905	31,998	83.9
Ohio.....	45,882	<b>42,261</b>	41,331	42,819	43,770	45,303	46,058	44,893	47,484	49,410	52,559	56,074	57,610	61.3
Pennsylvania.....	14,708	<b>12,083</b>	12,719	13,135	14,024	14,402	14,402	14,635	15,319	15,828	16,122	17,324	17,861	67.7
Wisconsin.....	13,585	<b>12,057</b>	11,735	12,300	13,143	13,712	14,842	13,953	13,944	14,071	14,744	14,793	14,717	79.3

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, BY STATES: 1919 AND 1914.

STATE.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. <sup>1</sup>	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
United States.....	1919	343,115	8,482	5,718	136,737	126,087	18,344	44,742	2,082	23
	1914	127,092	( <sup>2</sup> )	( <sup>2</sup> )	14,317	27,993	17,791	51,344	12,614	33
	1909	75,721	( <sup>2</sup> )	( <sup>2</sup> )	330	2,253	22,734	26,660	22,280	1,455
Automobiles.....	1919	210,559	3,074	2,057	91,880	82,747	9,911	15,807	58	.....
	1914	79,307	( <sup>2</sup> )	( <sup>2</sup> )	13,033	19,993	10,782	28,573	6,936	20
Automobile bodies and parts.....	1919	132,556	4,808	2,701	41,857	43,340	8,433	28,035	2,309	23
	1914	47,785	( <sup>2</sup> )	( <sup>2</sup> )	1,284	8,030	7,009	25,771	5,078	13
California.....	1919	3,008	286	50	1,000	523	158	1	.....	1
	1914	731	( <sup>2</sup> )	( <sup>2</sup> )	371	87	270	.....	.....	.....
Illinois.....	1919	8,805	959	163	1,709	3,734	955	1,204	70	.....
	1914	2,515	( <sup>2</sup> )	( <sup>2</sup> )	183	539	833	897	93	.....
Indiana.....	1919	25,773	24	481	7,009	5,367	1,727	10,345	220	.....
	1914	7,210	( <sup>2</sup> )	( <sup>2</sup> )	312	1,174	195	3,430	2,099	.....
Iowa <sup>3</sup> .....	1919	564	.....	.....	61	30	268	145	30	.....
Massachusetts.....	1919	4,530	254	415	1,415	2,316	107	3	.....	20
	1914	3,439	( <sup>2</sup> )	( <sup>2</sup> )	18	363	1,984	1,004	70	.....
Michigan.....	1919	175,985	724	1,000	78,200	79,470	9,818	5,372	36	.....
	1914	67,538	( <sup>2</sup> )	( <sup>2</sup> )	12,404	9,359	3,628	33,048	8,539	.....
Missouri.....	1919	3,240	971	15	873	850	358	142	31	.....
	1914	504	( <sup>2</sup> )	( <sup>2</sup> )	14	184	268	7	31	.....
New Jersey.....	1919	5,519	745	1,021	2,451	1,049	144	108	1	.....
	1914	2,520	( <sup>2</sup> )	( <sup>2</sup> )	18	1,037	774	677	44	.....
New York.....	1919	30,483	570	57	16,174	9,960	936	2,485	301	.....
	1914	12,122	( <sup>2</sup> )	( <sup>2</sup> )	128	3,037	6,189	1,151	715	2
Ohio.....	1919	45,882	3,077	1,191	18,258	14,011	1,472	7,277	596	.....
	1914	18,752	( <sup>2</sup> )	( <sup>2</sup> )	476	10,138	2,674	4,063	501	.....
Pennsylvania.....	1919	14,708	51	23	2,867	2,125	367	8,567	707	1
	1914	3,083	( <sup>2</sup> )	( <sup>2</sup> )	15	654	295	1,961	135	23
Wisconsin.....	1919	13,585	531	.....	305	4,882	43	7,712	112	.....
	1914	4,889	( <sup>2</sup> )	( <sup>2</sup> )	83	128	55	4,431	192	.....

<sup>1</sup> Includes 48 and under for 1914 and 1909.<sup>2</sup> Corresponding figures not available.<sup>3</sup> Not shown separately in 1914.

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TABLE 7.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, BY STATES: 1919.

STATE.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
United States.....	2,830	343,115	219	1,143	2,644	632	7,349	333	10,918	169	12,231	142	22,895	85	29,937	53	37,064	54	220,077
1914.....	1,271	127,092	51	457	1,156	321	3,745	161	5,369	88	6,083	103	16,180	49	18,377	21	15,607	20	60,575
Automobiles.....	315	210,559	5	27	84	37	487	58	2,077	42	2,926	50	8,155	44	15,215	19	12,900	33	168,715
1914.....	300	79,307	.....	55	159.	74	942	44	1,491	34	2,382	46	7,564	23	8,703	10	7,501	14	50,565
Automobile bodies and parts.	2,515	132,556	214	1,116	2,560	595	6,862	275	8,841	127	9,305	92	14,740	41	14,722	34	24,164	21	51,362
1914.....	971	47,785	51	402	997	247	2,803	117	3,878	54	3,701	57	8,616	26	9,674	11	8,106	6	10,010
California.....	265	3,008	25	161	361	51	551	20	684	4	266	2	353	2	703	.....	.....	.....	.....
Illinois.....	229	8,805	17	73	183	63	751	35	1,181	23	1,576	11	1,615	2	622	5	2,877	.....	.....
Indiana.....	172	25,773	10	55	104	32	415	18	628	13	933	18	3,017	17	6,234	5	3,427	4	11,015
Iowa.....	43	564	4	18	39	12	153	7	216	2	156	.....	.....	.....	.....	.....	.....	.....	.....
Massachusetts.....	98	4,590	3	34	77	28	354	12	350	7	496	7	1,079	4	1,221	1	923	.....	.....
Michigan.....	271	175,985	10	52	114	46	568	34	1,163	34	2,702	31	5,067	22	7,661	15	11,080	27	147,650
Missouri.....	86	3,240	5	34	77	30	377	8	284	2	138	3	546	2	649	2	1,169	.....	.....
New Jersey.....	116	5,519	7	60	128	25	254	13	450	4	354	2	342	2	819	1	858	2	2,314
New York.....	344	30,483	25	145	360	76	950	50	1,580	20	1,363	8	1,339	7	2,628	7	4,722	6	17,541
Ohio.....	281	45,882	20	73	180	62	719	40	1,312	26	1,848	25	3,790	15	5,238	13	8,045	7	23,850
Pennsylvania.....	202	14,708	15	80	201	53	603	19	635	10	699	13	1,852	7	2,296	1	859	4	7,563
Wisconsin.....	95	13,585	7	31	65	20	235	14	418	9	672	6	1,025	2	627	3	2,204	3	8,339

TABLE 8.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	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.....	2,830	1,271	743	343,115	127,092	75,721	\$3,080,073,979	\$632,831,474	\$249,202,075	\$1,139,395,103	\$276,623,544	\$117,556,339
Less than \$5,000.....	399	218	89	239	285	117	1,126,486	615,026	240,866	693,183	398,063	137,971
\$5,000 to \$20,000.....	859	356	170	2,286	1,641	841	9,287,644	3,814,757	1,937,965	5,669,720	2,351,440	1,088,508
\$20,000 to \$100,000.....	773	337	228	9,568	5,019	4,831	35,677,864	15,948,577	10,760,070	20,942,831	8,675,055	5,886,751
\$100,000 to \$500,000.....	433	231	200	21,139	26,735	24,340	95,597,621	66,279,738	65,875,412	46,627,401	39,059,028	32,057,814
\$500,000 to \$1,000,000.....	96	30	.....	11,978	.....	.....	67,250,339	20,984,032	.....	28,565,800	.....	.....
\$1,000,000 and over.....	270	99	56	297,915	92,512	45,592	2,871,134,025	525,189,344	170,386,862	1,036,896,168	226,139,958	78,375,295
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.....	14.1	17.2	12.0	0.1	0.2	0.2	(1)	0.1	0.1	0.1	0.1	0.1
\$5,000 to \$20,000.....	30.4	28.0	22.9	0.7	1.3	1.1	0.3	0.8	0.8	0.5	0.9	0.9
\$20,000 to \$100,000.....	27.3	26.5	30.7	2.8	4.7	6.4	1.2	2.5	4.3	1.8	3.1	5.0
\$100,000 to \$500,000.....	15.3	18.2	26.9	6.2	21.0	32.1	3.1	10.5	26.4	4.1	14.1	27.3
\$500,000 to \$1,000,000.....	3.4	2.4	.....	3.5	.....	.....	2.2	3.3	.....	2.5	.....	.....
\$1,000,000 and over.....	9.5	7.8	7.5	86.8	72.8	60.2	93.2	83.0	68.4	91.0	81.8	66.7

(1) Less than one-tenth of 1 per cent.

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TABLE 9.—CHARACTER OF OWNERSHIP, BY STATES: 1919 AND 1914.

STATE.	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.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All others.	
United States.....	1919	1,115	1,248	467	343,115	6,307	333,866	2,942	1.8	97.3	0.9	\$3,080,073,079	\$28,681,499	\$3,037,127,519	\$14,264,064	0.9	98.6	0.5	
	1914	357	736	178	127,092	1,851	123,759	1,482	1.5	97.4	1.2	632,831,474	5,730,714	622,209,324	4,801,439	0.9	98.3	0.8	
	1909	162	478	103	75,721	1,641	71,568	2,512	2.2	94.5	3.3	249,202,075	4,181,696	235,892,064	9,214,425	1.7	94.6	3.7	
Automobile.....	1919	14	292	9	210,559	299	210,181	169	0.1	99.8	0.1	2,387,003,287	1,298,981	2,384,898,510	1,705,706	0.1	99.9	0.1	
	1914	25	263	12	79,307	280	78,892	129	0.4	99.5	0.2	503,230,137	1,198,674	501,426,483	634,980	0.2	99.6	0.1	
Automobile bodies and parts.....	1919	1,101	956	458	132,556	6,098	123,685	2,773	4.6	93.3	2.1	692,170,692	27,382,515	652,229,009	12,550,168	4.0	94.2	1.8	
	1914	332	473	166	47,785	1,565	44,897	1,353	3.3	93.9	2.8	129,001,337	4,562,040	120,872,841	4,100,459	3.5	93.3	3.2	
California.....	1919	160	40	59	3,008	796	1,851	361	26.5	61.5	12.0	44,362,046	3,814,705	38,640,285	1,907,050	8.6	87.1	4.3	
	1914	61	18	10	731	215	361	152	29.4	40.8	20.8	2,458,843	634,683	1,457,262	306,898	25.8	59.3	14.9	
Illinois.....	1919	76	124	29	8,865	581	7,953	298	6.6	90.3	3.0	104,883,442	2,918,279	99,975,559	1,989,604	2.8	95.3	1.9	
	1914	18	54	10	2,515	130	2,198	217	5.1	86.4	8.5	11,018,162	441,607	9,994,892	581,753	4.0	90.7	5.3	
Indiana.....	1919	43	101	28	25,773	331	25,323	119	1.3	98.3	0.5	179,004,863	1,033,368	177,529,137	592,358	0.6	99.1	0.3	
	1914	13	69	4	7,219	42	7,165	12	0.6	99.3	0.2	29,389,088	92,030	29,297,058	27,592	0.3	99.6	0.1	
Iowa.....	1919	18	16	9	564	71	442	51	12.6	78.4	9.0	3,297,013	312,790	2,781,710	222,468	9.5	83.8	6.7	
Massachusetts.....	1919	40	43	13	4,530	259	4,071	200	5.7	89.9	4.4	27,031,004	926,740	25,116,410	688,454	3.4	94.0	2.5	
	1914	19	35	12	3,430	266	3,019	214	6.0	87.8	6.2	11,198,790	657,088	9,994,892	599,655	5.9	88.8	5.4	
Michigan.....	1919	46	203	22	175,985	653	175,217	115	0.4	99.6	0.1	1,020,383,356	3,802,539	1,016,085,035	515,782	0.2	99.7	(2)	
	1914	32	166	7	67,538	151	67,252	135	0.2	99.6	0.2	308,289,022	520,618	307,394,128	374,276	0.1	99.8	0.1	
Missouri.....	1919	32	40	14	3,240	161	3,000	79	5.0	92.6	4.4	71,030,499	617,125	71,066,564	255,807	0.9	98.8	0.4	
	1914	5	15	5	504	22	462	20	4.4	91.7	2.0	2,182,911	50,414	2,087,088	44,800	2.3	95.6	2.1	
New Jersey.....	1919	61	30	19	5,519	242	5,200	77	4.4	94.2	1.4	54,671,352	1,028,583	53,279,006	392,773	1.9	97.5	0.7	
	1914	15	29	9	2,520	35	2,399	86	1.4	95.2	3.4	8,237,416	91,366	7,971,181	174,809	1.1	96.8	2.1	
New York.....	1919	129	157	58	30,483	676	29,485	322	2.2	96.7	1.1	211,137,153	2,584,255	207,150,081	1,402,817	1.2	98.1	0.7	
	1914	79	135	33	12,122	513	11,379	230	4.2	93.9	1.9	42,115,276	1,338,142	39,388,156	1,388,978	3.2	93.6	3.3	
Ohio.....	1919	73	168	40	45,882	476	45,016	390	1.0	98.1	0.9	379,436,478	3,050,549	374,178,320	2,207,609	0.8	98.6	0.6	
	1914	18	77	7	18,752	188	18,521	43	1.0	98.8	0.2	85,710,585	846,119	84,747,433	117,033	1.0	98.9	0.1	
Pennsylvania.....	1919	85	82	35	14,708	592	13,921	195	4.0	94.6	1.3	113,820,134	2,190,432	110,830,598	793,134	1.9	97.4	0.7	
	1914	26	87	17	3,083	125	2,804	154	4.1	91.0	5.0	10,084,083	298,423	9,352,988	432,672	3.0	92.7	4.3	
Wisconsin.....	1919	23	59	13	13,585	97	13,465	23	0.7	99.1	0.2	119,380,641	400,623	118,854,289	125,735	0.3	99.0	0.1	
	1914	10	31	2	4,889	39	4,850	.....	0.8	99.2	.....	18,478,199	*118,750	18,359,446	.....	*0.6	99.4	.....	

\* Not shown separately in 1914.

\* Less than one-tenth of 1 per cent.

\* Includes the group "All others."

TABLE 10.—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.....	36,767	9,314	2,548	544,242	173,684	75,550	100.0	100.0	100.0
Owned.....	711	460	473	159,705	70,719	46,612	29.3	40.7	61.7
Steam.....	399	317	273	146,212	60,233	30,325	26.9	31.7	52.1
Engines.....	446	(1)	(1)	78,343	(1)	(1)	14.4	.....	.....
Turbines.....	50	(1)	(1)	67,860	(1)	(1)	12.5	.....	.....
Internal-combustion engines.....	200	146	102	12,927	10,075	7,000	2.4	5.8	9.3
Water wheels, turbines, and motors.....	15	6	8	566	411	287	0.1	0.2	0.4
Rented.....	36,056	8,845	2,075	384,537	102,965	28,938	70.7	59.3	38.3
Electric.....	36,056	8,845	2,075	379,388	102,156	27,641	69.7	58.8	36.6
Other.....	.....	.....	.....	5,149	809	1,297	0.9	0.5	1.7
Electric.....	49,122	11,218	2,032	499,590	135,818	41,829	100.0	100.0	100.0
Rented.....	36,056	8,845	2,075	379,388	102,156	27,641	77.3	75.2	66.1
Generated by establishments reporting.....	13,066	2,373	857	111,172	33,662	14,188	22.7	24.8	33.9

\* Not shown separately.



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

STATE.	Census year.	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).				
United States.....	1919	49,169	1,748,680	101,548	1,255,749	189,657	2,828,203
	1914	31,393	662,224	23,560	334,248	(1)	2,038,860
Automobiles.....	1919	17,133	1,120,585	81,837	853,998	161,286	2,114,482
	1914	13,697	464,534	15,850	270,115	(1)	1,660,784
Automobile bodies and parts.....	1919	82,086	628,095	19,681	401,751	26,371	713,721
	1914	17,696	197,690	7,710	114,133	(1)	338,076
California.....	1919	189	675	31	76,866	1,071	54,293
	1914	23	348	4	497	(1)	1,888
Illinois.....	1919	953	89,254	353	2,767	3,307	48,898
	1914	375	16,632	199	655	(1)	7,118
Indiana.....	1919	132	205,215	7,508	168,777	23,417	703,189
	1914	2	84,493	850	18,469	(1)	20,294
Iowa.....	1919	125	3,042	110	19	8	1,316
	1914	30	756	-----	64	(1)	13
Massachusetts.....	1919	1,894	14,678	15	510	658	1,844
	1914	1,314	7,751	1	1,339	(1)	2,895
Michigan.....	1919	1,843	887,579	79,968	629,095	78,519	1,073,701
	1914	3,188	304,003	16,297	245,415	(1)	1,322,789
Missouri.....	1919	97	10,172	174	1,118	130	4,937
	1914	68	1,823	69	-----	(1)	1,498
New Jersey.....	1919	3,801	24,888	30	24,875	4,402	10,924
	1914	3,264	7,367	25	866	(1)	5,711
New York.....	1919	11,949	113,343	860	65,643	8,542	251,701
	1914	11,241	58,634	2,604	13,351	(1)	47,233
Ohio.....	1919	579	267,653	5,443	127,111	32,160	414,700
	1914	7,640	97,177	1,411	71,411	(1)	522,727
Pennsylvania.....	1919	19,286	41,220	827	45,827	6,405	92,839
	1914	1,133	24,568	529	12,930	(1)	14,939
Wisconsin.....	1919	506	110,608	5,880	103,374	19,849	68,590
	1914	1,561	41,790	1,462	16,875	(1)	33,527
All other states.....	1919	7,815	30,453	359	10,267	11,189	71,361
	1914	1,049	19,877	109	2,376	(1)	58,228

<sup>1</sup> Included in figures for fuel oils.

## MANUFACTURES.

## SPECIAL STATISTICS.

Detailed statistics of number and value.—Table 12 shows, for 1919, the total number and value of all automobiles, chassis, and trailers, and the value of bodies and parts manufactured by establishments in which automobiles were the principal product and by those engaged primarily in the manufacture of other products. It also includes the value of all other

products and receipts from repairs made by establishments in the automobile industry.

Of the total number of automobiles manufactured in 1919, 99.8 per cent were gasoline vehicles, which was practically the same (99.1 per cent) as in 1914, a slight increase (95.1 per cent) over 1909, and a considerably larger proportion than in 1904 (86.2 per cent).

TABLE 12.—DETAILED STATISTICS OF NUMBER AND VALUE: 1919.

	NUMBER.			Value.		NUMBER.			Value.
	Gasoline.	Elec- tricity.	Steam.			Gasoline.	Elec- tricity.	Steam.	
Total value.....				\$3,105,411,047	Government, municipal, etc.....	2,778	8		\$13,619,331
Automobile industry.....				2,387,903,287	Ambulances.....	391			613,064
Automobile bodies and parts industry.....				692,170,692	Fire department apparatus.....	751	8		6,938,822
Automobiles and automobile bodies and parts made as subsidiary products by other industries.....				25,337,068	All other, mail delivery, tanks, street sweepers, oilers, etc.....	1,636			6,066,845
Passenger vehicles.....	1,535,001	2,073	406	1,324,458,676	Business vehicles.....	120,671	1,102		213,703,042
Roadsters.....	53,535			60,366,181	Delivery wagons.....	17,272	850		16,570,473
Runabouts.....	120,098			80,523,340	Trucks.....	102,185	252		191,106,484
Touring cars.....	1,225,741		386	980,987,982	All other.....	1,214			2,066,085
Closed cars.....	154,411	2,073	20	200,525,718	Chassis.....	192,383	42	15	181,936,739
All other.....	1,216			2,055,455	Trailers.....	15,686			6,635,668
Public conveyances, cabs, omnibuses, etc.....	1,877			3,100,447	All other products, including bodies and parts and repair work.....				1,361,950,144

<sup>1</sup> Includes 1,109 tractors valued at \$1,953,753.

Automobiles made, classified according to use and type, by states.—In Table 13 is shown the total number of automobiles, classified by use and type, manufactured in the United States in 1919, 1914, and 1909, and for such states as can be shown separately without the possibility of disclosing the operations of individual establishments.

The manufacture of automobiles in establishments whose product of chief value was the complete vehicle, was reported by 315 establishments located in 33 different states. The great volume of the business, as shown by the table, was confined to a few states. The state of Michigan alone reported the manufacture of 689,056, or 40.9 per cent of all classes made in 1919,

and also led all other states in each type of machine produced with 40.2 per cent and 49.3 per cent, respectively, of the total pleasure and business vehicles reported.

Of the various classes of automobiles shown in this table, the touring car is far the most important in point of number and of value, representing 72.8 per cent of the total number and 63.1 per cent of the total value of all machines reported in 1919.

The greatest percentage of increase for the five-year period was shown in the manufacture of business vehicles, there being a gain of 398.2 per cent in the number made and an increase of 410.9 per cent in the total value of products.

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TABLE 13.—AUTOMOBILES MADE, CLASSIFIED ACCORDING TO USE AND TYPE, BY STATES: 1919, 1914, AND 1909.

CLASS AND STATE.	NUMBER.			VALUE.		
	1919	1914	1909	1919	1914	1909
All classes: <sup>1</sup> .....	1,683,916	569,054	126,593	\$1,554,881,496	\$458,957,843	\$164,269,324
Passenger vehicles.....	1,557,480	543,679	121,868	1,324,458,676	413,859,379	155,821,331
Touring cars.....	1,226,127	451,267	76,114	980,987,982	346,134,147	113,403,188
Illinois.....	57,524	2,686	2,059	37,710,222	3,350,538	2,746,214
Indiana.....	49,740	13,034	6,838	60,976,271	16,574,132	10,710,289
Michigan.....	509,830	367,092	43,855	483,103,499	251,609,056	51,365,984
New York.....	76,971	5,945	5,440	56,003,880	9,499,111	12,296,292
Ohio.....	157,354	49,421	6,479	123,097,625	44,800,434	14,307,360
Wisconsin.....	54,098	8,825	(2)	48,234,757	10,831,327	(2)
Closed cars.....	156,504	10,809	4,002	290,525,718	21,832,536	10,182,029
Illinois.....	8,372	282	325	6,419,553	755,152	896,110
Indiana.....	6,325	503	439	9,728,908	1,071,392	772,401
Michigan.....	54,573	6,610	1,539	89,900,677	10,636,264	3,803,616
New York.....	13,805	792	296	21,510,692	2,811,047	1,174,335
Ohio.....	22,349	2,010	1,072	30,913,944	4,251,172	2,526,891
Wisconsin.....	7,213	(2)	(2)	7,976,349	(2)	(2)
Runabouts.....	120,098	81,603	36,204	80,523,340	45,892,696	28,030,470
Michigan.....	27,015	63,331	18,173	32,622,730	33,307,832	13,309,937
New York.....	6,017	1,037	1,097	3,256,166	1,434,925	1,539,659
Ohio.....	12,137	7,117	2,900	8,673,108	4,783,840	2,948,688
Roadsters.....	53,535	(2)	(2)	60,366,181	(2)	(2)
Indiana.....	2,926	(2)	(2)	5,285,021	(2)	(2)
Michigan.....	35,321	(2)	(2)	37,208,278	(2)	(2)
New York.....	1,917	(2)	(2)	2,550,512	(2)	(2)
Ohio.....	5,807	(2)	(2)	7,341,309	(2)	(2)
All other varieties.....	1,216	(2)	4,548	2,055,455	(2)	4,205,635
Business vehicles.....	126,436	25,375	4,725	230,422,820	45,098,484	8,447,993
Delivery wagons.....	18,122	4,391	1,862	16,570,473	4,749,889	1,918,856
Michigan.....	12,912	1,295	401	11,294,203	970,569	319,071
New York.....	1,320	511	139	1,604,263	840,630	282,989
Trucks.....	102,437	19,551	1,366	194,166,484	34,774,336	3,165,512
California.....	1,456	159	(2)	3,380,927	410,417	(2)
Illinois.....	5,011	1,072	28	8,814,354	1,810,824	46,955
Indiana.....	3,872	445	43	6,212,756	788,107	109,492
Iowa.....	421	(2)	(2)	847,132	(2)	(2)
Michigan.....	47,442	4,684	372	70,169,104	7,220,321	994,311
New York.....	9,016	2,250	475	24,738,980	4,670,608	889,724
Ohio.....	19,427	7,598	202	23,259,457	13,611,631	386,945
Pennsylvania.....	7,688	771	(2)	18,176,703	1,772,095	(2)
Wisconsin.....	8,910	677	(2)	20,565,491	1,168,996	(2)
All other varieties <sup>6</sup> .....	5,877	1,433	1,497	19,685,863	5,574,239	3,363,625
Illinois.....	731	37	(2)	1,802,847	77,103	(2)
Michigan.....	1,963	10	144	2,615,237	30,192	289,458
New York.....	632	521	406	5,270,760	2,495,857	1,020,183
Ohio.....	869	312	135	4,099,022	1,312,283	290,200

<sup>1</sup> Includes, in 1919, 4,660 automobiles valued at \$7,794,495 made as subsidiary products by establishments classified in other industries, but does not include, in 1914, 3,985 automobiles valued at \$9,099,631, and, in 1909, 694 automobiles valued at \$830,080 made in establishments of this character.

<sup>2</sup> Excluded to avoid disclosure of individual operations.

<sup>3</sup> Included with "Runabouts" in 1914 and 1909.

<sup>4</sup> Includes 4,582 buggies valued at \$2,391,250.

<sup>6</sup> Includes cabs, omnibuses, ambulances, fire department, mail delivery, tanks, patrol wagons, and other varieties.

Automobiles made, classified according to motive power and type.—Table 14 shows the number and value of the several kinds of automobiles, classified according to motive power, as reported for 1919, 1914, and 1909.

Large increases are shown for the five-year period 1914 to 1919 in the number of gasoline vehicles of all kinds manufactured, the total number reported being

a gain of 197.9 per cent over the output for 1914. Electric machines showed a decrease in the total number reported of 31.8 per cent, the only increase noted being 272.8 per cent for delivery wagons. The output of steam vehicles was practically the same as for 1914, showing an increase of 1.2 per cent.

MANUFACTURES.

TABLE 14.—AUTOMOBILES MADE, CLASSIFIED ACCORDING TO MOTIVE POWER AND TYPE: 1919, 1914, AND 1909.

CLASS.	AUTOMOBILES.				CLASS.	AUTOMOBILES.			
	Number.			Value.		Number.			Value.
	Gasoline.	Elec- tricity.	Steam.			Gasoline.	Elec- tricity.	Steam.	
All classes: <sup>1</sup>									
1919.....	1,880,327	3,183	406	\$1,554,881,496	All other passenger vehicles:	1,216			\$2,055,455
1914.....	563,984	4,669	401	458,957,843	1919.....				
1914.....	120,393	3,826	2,374	164,269,824	1914.....	4,888	600		4,205,635
1909.....					1909.....				
Touring cars:					Delivery wagons:				
1919.....	1,225,741		386	980,987,982	1919.....	17,272	850		16,570,473
1914.....	451,008	3	256	346,134,147	1914.....	4,130	228	24	4,749,889
1914.....	73,888	243	1,988	113,403,188	1909.....	1,045	217		1,018,850
1909.....					Trucks:				
Closed cars:					1919.....	102,185	252		104,100,484
1919.....	154,411	2,073	20	200,525,718	1914.....	18,428	1,121	2	34,774,336
1914.....	7,707	3,102		21,832,536	1909.....	1,000	270		3,165,512
1909.....	2,088	1,914		10,182,029	All other business vehicles: <sup>4</sup>				
Runabouts:					1919.....	5,809	8		19,685,833
1919.....	120,098			80,523,340	1914.....	1,314	72	47	5,574,239
1914.....	81,388	143	72	45,892,096	1909.....	1,452	20	25	3,303,025
1909.....	35,347	496	361	28,030,479					
Roadsters:									
1919.....	53,535			60,366,181					
1914.....									
1909.....									

<sup>1</sup> Includes, in 1919, 4,660 automobiles valued at \$7,794,495 made as subsidiary products by establishments classified in other industries, but does not include, in 1914, 3,981 automobiles valued at \$6,039,631, and, in 1909, 694 automobiles, valued at \$830,080 made in establishments of this character.  
<sup>2</sup> Included with "Runabouts."  
<sup>3</sup> Figures not available.  
<sup>4</sup> Includes public conveyances, Government and municipal vehicles.

**Automobiles made, classified according to horsepower rating.**—Table 15 shows that 71.3 per cent of the total number of automobiles manufactured in 1919 were rated as having from 20 to 29 horsepower, while the groups from 10 to 49 horsepower represented 99.6 per cent of the total number reported for the United

States. Only two-tenths of 1 per cent were rated at less than 10 horsepower, and only one-tenth of 1 per cent at more than 50 horsepower in 1919, as compared with nine-tenths of 1 per cent and 2.3 per cent, respectively, in 1914.

TABLE 15.—AUTOMOBILES MADE, CLASSIFIED ACCORDING TO HORSEPOWER RATING: 1919, 1914, AND 1909.

CLASS.	Total.	HORSEPOWER RATING.						CLASS.	Total.	HORSEPOWER RATING.					
		Less than 10 h. p.	10 but less than 20 h. p.	20 but less than 30 h. p.	30 but less than 50 h. p.	50 but less than 90 h. p.	90 h. p. or more.			Less than 10 h. p.	10 but less than 20 h. p.	20 but less than 30 h. p.	30 but less than 50 h. p.	50 but less than 90 h. p.	90 h. p. or more.
All classes: <sup>1</sup>															
1919.....	1,883,916	3,815	250,713	1,200,318	226,580	1,980	510	All other passenger vehicles:	1,216						
1914.....	569,054	4,952	45,022	344,336	161,722	12,843	179	1919.....		114	833	260			
1914.....	126,593	7,539	29,353	35,257	51,218	3,197	29	1914.....							
1909.....								1909.....	5,548	907	3,712	365	550	14	
Touring cars:								Delivery wagons:							
1919.....	1,228,127		216,395	879,771	129,026	865	70	1919.....	18,122	850	2,384	4,102	10,786		
1914.....	451,267	3	29,684	276,565	133,323	11,661	131	1914.....	4,301	228	2,125	717	1,278	13	
1914.....	76,114	177	5,415	21,773	45,926	2,802	21	1909.....	1,862	263	878	024	07		
1909.....								Trucks:							
Closed cars:								1919.....	102,437	546	5,918	59,002	36,745	100	
1919.....	158,504	2,073	12,325	119,559	23,332	215	3	1914.....	19,551	1,122	2,502	6,802	8,959	100	
1914.....	10,809	3,102	781	2,408	4,128	389	1	1909.....	1,360	50	317	0	280	606	
1909.....	4,002	1,589	847	729	774	62		All other business vehicles: <sup>4</sup>							
Runabouts:								1919.....	5,877		84	1,262	3,824	281	426
1919.....	120,098		10	116,234	3,784	70	13	1914.....	1,433	67	179	200	515	434	32
1914.....	81,603	430	9,851	57,610	13,519	180	7	1909.....	1,407	15	636	540	236	61	
1909.....	35,204	4,532	17,648	10,931	3,029	157									
Roadsters:															
1919.....	53,535	346	13,453	19,555	19,814	353	14								
1914.....															
1909.....															

<sup>1</sup> Includes, in 1919, 4,660 automobiles made as subsidiary products by establishments classified in other industries, but does not include, in 1914, 3,985 automobiles, and, in 1909, 694 automobiles made in establishments of this character.  
<sup>2</sup> Included with "Runabouts."  
<sup>3</sup> Figures not available.  
<sup>4</sup> Includes public conveyances, Government and municipal vehicles.



TABLE 17.—DETAILED STATEMENT FOR THE

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

AUTOMOBILES, INCLUDING BODIES AND PARTS.

																		Dollars.
1	United States.....	2,530	396,104	2,165	12,206	24,354	14,264	343,115	De	360,044	Ja	283,491	403,209	386,504	15,986	651	68	1,780,948,932
2	Alabama.....	9	114	9	8	8	8	89	Oc	97	Mh <sup>a</sup>	83	111	111				226,415
3	California.....	265	3,841	290	180	229	134	3,008	No	3,475	Ja	2,212	3,492	3,394	94	4		15,403,349
4	Delaware.....	5	22	8	3	3		11	Se <sup>b</sup>	12	Ja <sup>c</sup>	10	11	11				75,006
5	Florida.....	8	58	11	1	1	1	44	Je <sup>b</sup>	46	Mh	38	44	44				106,059
6	Idaho.....	5	17	5	3	1	1	7	(*)	7	(*)	7	8	8				20,569
7	Illinois.....	229	10,934	141	631	829	558	8,805	De	10,342	Ja	7,315	10,338	9,827	484	22	5	43,584,352
8	Indiana.....	172	29,529	102	1,019	1,443	1,192	25,773	De	29,800	Fe	21,034	30,818	28,726	1,975	109	8	109,303,857
9	Iowa.....	43	720	38	53	34	31	564	No	687	Ap	468	653	582	59	12		2,454,623
10	Maine.....	6	56	3	6	1	6	40	Au	48	Ja	28	45	45				47,981
11	Massachusetts.....	96	5,293	69	241	217	236	4,530	De	5,316	Ap	3,825	5,637	5,383	203	50	1	16,032,750
12	Michigan.....	271	197,881	95	4,780	10,792	6,229	175,985	No	206,035	Ja	130,212	205,753	197,520	7,097	230		692,513,068
13	Mississippi.....	4	75	2	9	7	1	56	De	83	Ja	35	82	78	4			126,176
14	Missouri.....	86	4,154	65	221	511	117	3,240	De	3,588	Ja	2,800	3,602	3,505	89	2	6	12,746,250
15	Montana.....	6	11	7				4	Je <sup>b</sup>		Fe <sup>b</sup>	2	4	3				10,167
16	New Jersey.....	110	6,625	101	215	520	270	5,519	De	6,373	Ap	4,838	6,402	6,127	275			20,501,806
17	New York.....	344	36,456	267	1,632	2,520	1,578	30,483	Oc	33,189	Ja	27,845	32,794	31,554	1,216	18	6	122,510,513
18	North Dakota.....	5	18	4	2	7		12	Oc <sup>b</sup>	16	Ja <sup>c</sup>	10	15	15				27,282
19	Ohio.....	281	53,321	163	1,442	3,651	2,183	45,882	De	57,610	My	35,303	58,604	55,857	2,662	81	4	256,466,662
20	Oregon.....	17	70	22	1	1		46	Jy	55	Ja	31	50	48	1	1		115,256
21	Pennsylvania.....	202	17,157	168	557	1,191	533	14,708	De	17,861	Ja	12,084	17,958	17,564	346	48		65,547,945
22	Rhode Island.....	18	225	17	15	3	11	179	De	203	Fe	151	208	196	12			486,787
23	Utah.....	6	69	6	3	4		56	Jy	71	Ja	46	39	39				90,355
24	Wisconsin.....	95	16,353	54	560	1,458	693	13,885	No	14,793	Fe	11,735	14,609	14,047	550	9	3	62,764,863
25	All other states <sup>d</sup> .....	541	13,045	518	624	927	487	10,489					11,932	11,514	318	65	35	58,883,871

AUTOMOBILES.

1	United States.....	315	242,922	36	6,431	16,606	9,290	210,559	De	399,044	Ja	283,491	243,128	234,916	7,021	288	3	1,310,451,400
2	California.....	12	1,642	6	82	163	64	1,327	No	1,606	Ja	773	1,539	1,513	26			11,001,021
3	Illinois.....	25	4,455	5	234	477	232	3,597	No	4,040	Ja	3,017	3,935	3,898	79	8		26,673,294
4	Indiana.....	27	12,162	3	388	737	510	10,544	De	13,247	Fe	8,769	13,128	12,178	894	54		54,609,762
5	Iowa.....	6	151	1	16	15	12	104	De	131	Au	64	100	100				1,220,136
6	Massachusetts.....	8	1,237	2	94	106	76	989	De	1,460	Ja	521	1,460	1,430	24	6		7,271,507
7	Michigan.....	68	142,976	4	3,084	8,120	4,831	126,937	De	145,241	Ja	99,563	145,578	140,810	4,590	178		806,195,893
8	Missouri.....	8	2,333		113	333	72	1,865	De	2,012	Ja	1,063	1,984	1,922	62			9,594,433
9	New Jersey.....	6	2,843		91	299	94	2,359	Ja	2,793	Ap	2,035	2,656	2,595	61			11,578,691
10	New York.....	28	18,318	1	840	1,763	920	14,794	Oc	16,464	Mh	12,672	15,348	15,006	336	6		71,718,920
11	Ohio.....	44	33,760	2	715	2,407	1,424	29,212	De	35,031	My	20,274	36,997	35,654	1,343			191,041,010
12	Pennsylvania.....	25	5,342	2	168	494	244	4,434	De	4,066	Ja	3,755	5,108	4,990	115	3		28,172,033
13	Wisconsin.....	15	10,773	6	349	1,004	507	8,907	Oc	9,307	Fe	7,914	9,155	8,839	315	1		46,883,931
14	All other states <sup>d</sup> .....	43	6,860	4	274	688	304	5,580					6,092	5,981	76	32	3	43,410,799

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

# AUTOMOBILES.

## AUTOMOBILE INDUSTRY, BY STATES: 1919.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						
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. <sup>1</sup>	Electric horsepower generated in establishments reporting.
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water-power. <sup>1</sup>		

### AUTOMOBILES, INCLUDING BODIES AND PARTS.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
54,509,015	47,675,129	491,121,373	1,758,313	4,165,823	146,030,139	1,918,993,810	21,685,066	3,080,073,979	1,139,395,103	544,242	78,343	67,859	12,927	566,394	537	111,172	1	
9,439	7,489	86,440	.....	6,930	1,671	82,651	10,005	262,680	170,024	233	3	.....	.....	233	.....	233	2	
497,650	413,531	4,065,288	103,455	268,265	1,459,173	30,180,342	137,393	44,332,046	14,044,398	3,313	.....	76	.....	3,237	.....	3,237	3	
4,731	.....	16,691	500	980	327	14,835	969	64,013	48,209	51	.....	12	.....	39	.....	39	4	
1,717	1,380	59,754	.....	6,056	655	89,234	1,720	207,281	116,327	26	.....	3	.....	23	.....	23	5	
180	402	5,333	.....	926	389	7,969	129	22,028	13,928	11	.....	5	.....	6	.....	6	6	
2,220,698	1,834,213	11,188,809	133,379	466,799	3,663,398	73,476,977	470,831	104,883,442	30,929,634	15,098	1,065	670	248	13,115	455	7		
3,949,498	2,820,779	29,853,445	200,543	208,046	6,785,851	115,553,006	2,210,941	179,064,863	61,297,910	30,481	7,026	3,375	230	28,850	5,450	8		
127,840	93,646	595,433	24,694	30,368	30,368	1,937,923	31,031	3,297,013	1,328,059	713	150	.....	.....	563	58	9		
6,992	2,274	40,313	.....	3,242	251	22,539	1,598	80,879	62,742	64	.....	.....	.....	64	.....	64	10	
822,617	469,079	5,829,244	22,214	103,686	966,535	16,037,464	244,237	27,031,604	10,749,903	4,441	840	225	32	3,344	310	11		
25,040,185	22,278,788	272,989,442	369,057	927,729	92,224,827	948,815,835	10,951,593	1,620,383,356	660,615,925	284,127	37,539	59,177	8,567	18,178	84,259	12		
15,512	6,527	48,987	.....	3,360	5,622	70,083	1,866	177,677	105,728	211	140	.....	.....	71	.....	71	13	
510,933	687,080	3,721,330	7,670	112,650	2,690,551	54,820,054	123,400	71,939,496	16,996,042	3,506	993	.....	40	2,473	554	14		
782,369	908,953	7,657,577	6,380	2,080	175	14,892	592	33,893	18,409	18	.....	.....	.....	18	.....	18	15	
5,490,093	4,280,828	39,311,532	127,799	695,547	5,749,817	134,262,538	1,534,363	211,137,153	75,340,232	42,474	8,212	332	493	540	32,897	6,320	17	
900	.....	22,945	.....	1,570	246	26,054	1,689	62,928	35,185	26	.....	.....	.....	26	.....	26	18	
5,921,820	7,540,549	63,410,248	158,033	326,272	12,027,180	247,803,314	3,177,595	379,433,478	128,455,568	79,039	8,555	440	877	69,167	3,723	19		
1,650	360	71,355	.....	12,718	1,434	113,705	3,940	258,678	141,033	93	.....	.....	.....	93	.....	93	20	
1,714,960	2,290,889	18,849,194	26,518	333,739	4,115,507	75,274,886	854,037	113,820,134	37,691,242	23,363	3,540	150	729	5	18,939	1,323	21	
39,806	13,061	192,727	2,332	13,496	14,413	194,395	9,463	684,605	450,746	280	.....	.....	5	275	.....	275	22	
7,200	5,500	61,430	.....	9,285	1,149	54,277	1,943	166,246	110,026	40	.....	.....	.....	40	.....	40	23	
2,422,526	2,202,765	19,631,048	9,290	90,947	7,245,194	74,145,532	1,030,626	119,380,641	44,204,483	22,892	5,710	.....	559	16,623	4,198	24		
1,904,789	1,847,086	13,453,354	546,529	412,726	7,022,951	109,228,449	557,967	148,639,495	38,853,079	15,554	3,610	.....	483	3	11,455	1,796	25	

### AUTOMOBILES.

34,591,682	32,624,122	312,165,370	198,142	1,262,023	126,893,916	1,565,694,602	12,056,972	2,387,903,287	809,251,713	287,323	45,423	59,109	861	.....	181,930	93,426	1
227,554	297,976	1,809,924	18,088	28,351	1,392,479	26,949,096	77,055	36,626,893	9,600,832	1,322	.....	.....	48	.....	1,284	.....	2
897,257	979,259	4,664,716	49,985	120,157	3,167,141	60,867,016	164,736	77,018,464	15,936,692	6,263	380	670	.....	5,219	.....	72	3
1,484,404	1,340,025	12,450,913	6,068	102,269	4,936,045	77,155,346	539,389	107,347,614	29,649,860	13,594	2,330	.....	.....	10,734	.....	626	4
48,196	32,989	126,342	15,690	3,485	7,834	1,141,106	11,407	1,684,005	431,492	161	.....	.....	.....	161	.....	.....	5
248,592	176,899	1,239,542	.....	1,200	709,358	9,506,827	62,979	12,548,222	2,978,416	1,160	125	.....	.....	1,035	.....	40	6
21,405,794	17,128,611	197,768,186	100	642,476	83,140,040	801,202,501	8,002,488	1,332,076,498	522,871,509	180,702	22,620	67,707	146	100,220	79,625	7	
205,794	480,445	2,303,753	.....	26,368	2,500,153	50,052,998	71,253	62,624,650	12,500,404	1,470	.....	.....	.....	970	.....	554	8
289,923	567,061	3,509,642	.....	12,890	1,523,833	30,529,043	153,366	39,580,664	8,878,255	3,246	300	.....	.....	2,946	.....	379	9
3,004,010	2,645,172	20,069,399	.....	76,323	3,889,304	100,645,015	598,934	140,721,990	39,478,050	14,498	4,895	332	.....	9,271	.....	5,478	10
3,513,285	5,147,108	41,443,839	97,569	53,798	9,910,381	193,354,341	2,084,620	287,045,832	88,606,871	37,473	6,113	400	228	30,732	3,061	11	
608,533	1,075,566	5,703,126	1,432	121,747	2,632,401	51,220,082	209,347	68,490,911	17,070,002	5,413	628	.....	220	4,565	.....	1,140	12
1,708,090	1,391,040	13,257,340	1,762	8,190	6,324,586	61,074,326	658,930	95,030,129	33,271,879	14,864	5,025	.....	11	9,828	.....	1,663	13
984,250	1,391,941	7,855,029	7,426	64,769	6,753,861	98,994,026	305,938	127,227,406	27,927,442	7,177	2,007	.....	208	4,962	.....	1,788	14

<sup>6</sup> All other states embrace: Arizona, 2 establishments; Arkansas, 15; Colorado, 31; Connecticut, 55; District of Columbia, 6; Georgia, 29; Kansas, 30; Kentucky, 19; Louisiana, 12; Maryland, 39; Minnesota, 53; Nebraska, 22; Nevada, 2; New Hampshire, 5; New Mexico, 1; North Carolina, 9; Oklahoma, 21; South Carolina, 7; South Dakota, 5; Tennessee, 18; Texas, 77; Vermont, 1; Virginia, 21; Washington, 62; and West Virginia, 2.

<sup>8</sup> All other states embrace: Arkansas, 1 establishment; Colorado, 2; Connecticut, 2; District of Columbia, 1; Georgia, 2; Kansas, 2; Kentucky, 2; Louisiana, 2; Maryland, 1; Minnesota, 5; Nebraska, 2; New Hampshire, 1; North Carolina, 2; Oklahoma, 3; South Carolina, 1; South Dakota, 1; Tennessee, 1; Texas, 5; Virginia, 2; Washington, 4; and West Virginia, 1.

MANUFACTURES.

TABLE 17.—DETAILED STATEMENT FOR THE

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

AUTOMOBILE BODIES AND PARTS.

1	United States.....	2,515	153,182	2,129	5,775	7,748	4,974	132,550	De	8,127	Ja <sup>3</sup>	5,476	160,081	151,588	8,065	363	65	Dollars. 470,497,652
2	Alabama.....	9	114	9	8	8		89	Oc	97	Mh <sup>3</sup>	83	111	111				220,415
3	Arkansas.....	14	107	15	3	4	2	83	De <sup>3</sup>	111	Ap	61	111	100	10	1		107,808
4	California.....	253	2,190	284	98	66	70	1,081	De	1,921	Ja	1,439	1,953	1,881	68	4		3,412,328
5	Colorado.....	29	272	30	20	5	5	212	Jy	227	Ja	182	238	220	5	2	11	335,001
6	Connecticut.....	53	1,392	50	73	54	51	1,164	De	1,494	Ju	863	1,504	1,420	43	20	21	4,924,071
7	Delaware.....	5	22	8	3			11	Se <sup>3</sup>	12	Ja <sup>3</sup>	10	11	11				75,000
8	District of Columbia.....	5	34	5	3	1		25	De	30	Mh	21	30	28	2			102,002
9	Florida.....	8	58	11	1		1	44	Je <sup>3</sup>	46	Mh	38	44	44				100,059
10	Georgia.....	27	279	29	20	13	8	209	De	240	Fe <sup>3</sup>	109	243	210	30	3		430,471
11	Idaho.....	5	17	5	3	1	1	7	(4)	7	(4)	7	8	8				20,500
12	Illinois.....	204	6,500	136	397	352	326	5,298	De	6,361	Ja	4,208	6,353	5,929	405	14	5	16,911,058
13	Indiana.....	145	17,367	99	651	705	682	15,229	No	16,587	Fe	12,865	17,692	16,548	1,081	55	8	54,001,095
14	Iowa.....	37	569	37	34	19	19	460	No	598	Ap	348	553	482	59	12		1,234,487
15	Kansas.....	28	145	43	5	3	4	90	De	118	Fe	74	119	116	3			421,003
16	Kentucky.....	17	447	15	23	12	9	388	Je <sup>3</sup>	397	No	379	389	382	6	1		1,045,283
17	Louisiana.....	10	206	10	7	12	3	174	Au	197	Fe	152	190	196				321,854
18	Maine.....	6	56	3	6	1	6	40	Au	48	Ja	28	45	45				47,081
19	Maryland.....	35	326	36	21	28	8	233	Se	249	Ja	216	251	246	5			701,289
20	Massachusetts.....	88	4,026	67	147	111	160	3,541	De	3,856	Je	3,152	4,177	3,953	179	44	1	9,061,243
21	Michigan.....	203	54,905	91	1,696	2,072	1,398	49,048	No	61,438	Ja	36,649	60,175	57,016	3,107	52		188,318,075
22	Minnesota.....	48	537	44	43	26	19	405	De	454	Ja	328	481	467	14			979,377
23	Mississippi.....	4	75	2	9	7	1	56	De	83	Ja	35	82	78	4			123,176
24	Missouri.....	78	1,771	65	108	178	45	1,375	De	1,576	Ja	1,137	1,618	1,583	27	2	0	3,151,817
25	Montana.....	6	11	7				4	Je <sup>3</sup>	6	Fe <sup>3</sup>	2	4	3	1			16,167
26	Nebraska.....	20	425	12	32	29	25	327	Oc	412	Mh	252	488	446	41	1		2,755,430
27	New Hampshire.....	41	7	3				4	(4)	4	(4)	4	4	4				17,828
28	New Jersey.....	110	3,782	101	124	221	176	3,160	De	3,717	Fe	2,461	3,746	3,532	214			8,923,205
29	New York.....	316	18,168	266	792	703	658	15,689	Oc	16,725	Je	14,237	17,446	16,548	880	12	6	50,701,693
30	North Carolina.....	7	56	11	1			44	Je	49	Mh	40	42	42				50,132
31	North Dakota.....	5	18	4	2			12	Oc <sup>3</sup>	10	Ja <sup>3</sup>	10	15	15				27,282
32	Ohio.....	237	19,561	161	727	1,244	759	16,670	De	21,670	Fe	12,635	21,607	20,203	1,319	81	4	65,425,052
33	Oklahoma.....	18	142	17	9	5	0	105	Se	113	Ja	62	102	95	7			175,074
34	Oregon.....	17	70	22	1	1		46	Jy	55	Ja	31	50	48	1	1		115,250
35	Pennsylvania.....	177	11,815	160	388	697	289	10,274	De	12,895	Ja	8,320	12,850	12,574	231	45		37,375,012
36	Rhode Island.....	18	225	17	15	3	11	179	De	203	Fe	151	208	196	12			480,787
37	South Carolina.....	6	48	8	2	1	3	34	De <sup>3</sup>	37	Je	30	36	35		1		57,409
38	South Dakota.....	4	10	5				5	My <sup>3</sup>	6	Oc <sup>3</sup>	4	5	5				5,100
39	Tennessee.....	17	547	15	19	18	9	486	Oc	631	Ja	377	561	536	25			843,250
40	Texas.....	72	620	85	30	12	13	180	De	373	Fe	412	581	560	17	4		975,350
41	Utah.....	6	69	6	3	4		56	Jy	71	Ja	46	30	30				00,355
42	Virginia.....	19	168	14	16	7	5	126	Oc	141	Ja <sup>3</sup>	105	137	110	27			370,484
43	Washington.....	58	377	53	22	9	12	276	My <sup>3</sup>	292	Fe	247	275	270	5			731,895
44	Wisconsin.....	80	5,580	43	211	454	189	4,678	No	5,523	Fe	3,821	5,454	5,208	235	8	3	15,870,032
45	All other states.....	7	50	9	1		1	39					47	45	2			00,951

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).  
<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).  
<sup>3</sup> Same number reported for one or more other months.



# AUTOMOBILES.

## AUTOMOBILE INDUSTRY, BY STATES: 1919—Continued.

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

## AUTOMOBILE BODIES AND PARTS.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.												
19,917,333	15,051,007	178,955,503	1,560,201	2,903,800	19,136,223	353,299,208	8,728,094	692,170,692	330,143,390	253,919	32,920	8,760	12,066	566	202,607	17,746						
9,439	7,480	80,440	6,930	1,671	82,651	10,005	262,680	170,024	236	3												
7,800	7,629	62,262	6,980	530	139,678	2,918	253,054	111,058	230													
270,096	115,555	2,255,364	85,367	239,914	66,094	3,231,336	60,341	7,735,153	4,443,476	1,981			28		1,953							
36,300	7,172	276,302	17,828	21,412	7,090	332,356	9,040	819,280	477,884	219					219							
278,908	147,142	1,465,134	3,000	58,721	88,933	3,026,007	65,995	6,197,757	3,105,755	1,745	370		43		1,332							
4,781		10,091	500	980	327	14,835	969	64,013	45,209	51			12		31							
6,500	1,000	30,483	200	2,040	923	39,146	828	101,663	61,689	21					20							
1,717	1,380	59,751	6,056	6,056	655	89,234	1,720	207,281	116,327	26					23							
57,045	29,500	222,772	2,000	22,101	12,401	704,406	8,974	1,133,544	420,164	302	25		37		240							
180	402	6,333	926	389	7,969	129	22,026	13,928	11						6							
1,353,441	854,954	6,474,090	53,394	346,842	496,227	12,009,961	312,075	27,864,978	14,942,942	8,835	685		248		7,902	383						
2,465,094	1,480,754	17,372,532	194,450	105,777	1,849,806	38,397,600	1,671,542	71,717,249	31,648,047	25,917	4,196	3,375	230		18,116	4,824						
70,644	60,657	469,091	9,004	22,129	22,532	796,817	19,624	1,713,008	896,567	552	150				402	58						
7,533	6,246	93,045	6,680	6,680	6,910	172,612	5,891	415,962	237,459	176	25				149							
63,326	24,836	410,887	4,180	17,978	660,253	23,889	1,365,882	681,740	816				73		743							
22,540	16,595	184,114	9,210	3,143	429,945	5,281	731,887	290,661	672	238			25		409							
6,902	2,274	40,313	2,859	3,242	2,539	1,998	62,742	86,879	64						64							
49,102	55,992	278,635	2,871	16,355	10,998	425,208	12,615	1,034,364	596,641	422					69							
574,025	282,180	4,689,999	22,214	102,480	258,177	6,530,637	181,258	14,483,382	7,771,487	3,281	715	225	32		2,309	270						
6,640,391	5,150,127	75,221,256	388,957	285,253	9,084,787	147,613,334	2,949,108	288,306,868	137,744,416	103,425	14,919	1,470	8,421	18	78,597	4,634						
80,979	38,904	456,559	2,955	35,768	23,417	850,290	26,896	1,703,048	885,862	611			4		607							
15,512	6,527	48,987	3,360	3,360	5,662	70,083	1,866	177,677	105,728	211	140				71							
305,139	180,635	1,417,607	7,670	86,282	190,398	4,707,061	52,147	9,314,846	4,495,638	2,036	493		40		1,503							
94,964	64,160	361,049	1,744	19,360	20,842	1,019,454	17,590	1,723,167	686,123	597	100		15		482							
		3,131	196	338	3,214	567	11,175	7,394	27						27							
496,446	341,862	4,150,935	6,330	120,269	496,614	6,234,843	167,765	15,110,688	8,708,080	5,939	660	3,500	565		1,214	2,341						
2,495,083	1,635,656	19,305,023	127,799	619,224	1,800,013	33,617,523	935,429	70,415,154	35,862,202	27,976	3,317		493	540	23,626	848						
750		41,747	3,927	2,020	114,538	36,220	2,020	114,538	76,298	82					82							
900		22,945	1,570	246	26,054	1,689	62,928	35,185	26						26							
2,408,535	2,393,441	21,966,409	60,467	272,474	2,116,799	51,443,973	1,092,970	92,390,646	39,848,697	41,566	2,442	40	649		38,435	662						
24,598	9,485	137,835	14,060	6,306	164,489	5,274	428,072	258,309	105						105							
1,650	390	71,358	12,718	1,434	113,705	3,940	258,678	141,033	93						93							
1,106,427	1,215,323	13,146,068	25,086	211,992	1,483,106	24,054,793	653,190	45,329,223	20,621,240	17,950	2,912	150	509	5	14,374	1,183						
39,806	13,061	192,727	2,332	13,496	14,413	194,396	9,463	684,605	480,746	280					275							
4,699	3,415	32,436	1,500	1,995	477	103,265	2,829	138,286	32,192	57					57							
		6,395	920	166	7,170	637	26,216	18,409	12						12							
51,769	23,150	417,187	3,862	15,530	21,187	558,651	20,503	1,351,979	772,525	1,020	845				175							
51,817	25,741	557,163	600	60,709	18,695	736,417	16,433	1,881,349	1,128,499	626					626							
7,200	5,500	61,430	9,280	1,149	54,277	1,943	166,240	110,026	40						40							
24,677	7,118	113,483	374	8,248	2,080	303,679	4,714	527,053	218,660	124					113							
53,632	16,024	402,079	502,169	36,808	14,711	448,588	16,621	1,226,303	761,694	429					429							
714,436	811,728	6,376,699	7,528	82,757	920,008	13,071,212	346,690	24,350,512	10,932,604	8,028	885		548		6,795	2,635						
3,000	976	45,627	2,900	377	73,375	2,614	166,910	90,921	78						78							

<sup>1</sup> Same number reported throughout the year.  
<sup>2</sup> All other states embrace: Arizona, 2 establishments; Nevada, 2; New Mexico, 1; Vermont, 1; and West Virginia, 1.

MANUFACTURES.

AUTOMOBILE REPAIRING.

Detailed statistics for the automobile-repairing industry.—At the census of 1919 reports were secured from establishments engaged in the repairing of automobiles and the vulcanizing of tires, detailed statistics for which are shown in Table 18. The statistics

shown for this industry do not cover the repair of automobiles in establishments engaged chiefly in the manufacture of automobiles, bodies and parts, or the vulcanizing of tires in factories classified as in the rubber-goods industry.

TABLE 18.—DETAILED STATEMENT FOR THE

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

AUTOMOBILE REPAIRING.

United States.....		15,507	82,635	18,566	3,288	2,753	2,907	55,061	Au 59,004	Ja 48,702	58,085	57,454	393	238	Dollars. 141,123,954
2	Alabama.....	132	692	157	22	22	11	480	De 510	Ja 418	511	509		2	835,040
3	Arizona.....	81	374	95	18	16	14	231	De 269	Fe 211	279	270			602,394
4	Arkansas.....	79	395	109	13	5	7	261	De 270	Fe 250	276	271	4	1	452,326
5	California.....	1,648	8,827	2,168	186	214	267	5,092	De 6,426	Ja 5,483	6,491	6,426	38	27	13,190,952
6	Colorado.....	401	2,164	455	90	64	60	1,495	Au 1,757	Ja 1,261	1,487	1,477	4	0	3,536,680
7	Connecticut.....	301	1,590	294	102	39	82	1,073	Au 1,149	Ja 957	1,113	1,091	20	2	2,706,780
8	Delaware.....	15	61	13	3	3	1	41	Je 46	De 39	37	37			92,010
9	District of Columbia.....	27	285	26	18	14	13	214	Ja 229	Je 209	209	209			739,427
10	Florida.....	79	380	96	12	8	5	259	De 278	Fe 247	288	287		1	378,180
11	Georgia.....	195	1,216	243	54	36	20	863	De 916	Ja 785	921	904	13	4	1,160,481
12	Idaho.....	119	546	151	28	14	11	312	Je 396	Ja 291	356	353		3	1,032,440
13	Illinois.....	735	4,627	963	194	160	190	3,120	Ja 3,282	Ja 2,918	3,231	3,191	37	3	8,017,459
14	Indiana.....	358	1,454	439	94	16	50	885	Au 951	Ja 779	926	919	5	2	1,954,000
15	Iowa.....	579	2,311	735	81	51	89	1,355	Au 1,532	Ja 1,119	1,430	1,409	19	2	4,412,673
16	Kansas.....	325	1,392	424	33	33	32	870	Se 926	Ja 814	945	938	7		1,855,890
17	Kentucky.....	190	923	233	31	10	35	614	De 666	Ja 543	694	692	2		1,400,007
18	Louisiana.....	128	779	151	43	41	21	523	No 576	Mh 457	574	567	2	5	1,140,743
19	Maine.....	161	665	180	29	19	37	400	Je 510	Ja 286	425	421	4		1,005,047
20	Maryland.....	212	1,617	233	101	117	65	1,101	De 1,201	Ja 995	1,207	1,201	3	3	3,315,100
21	Massachusetts.....	279	2,057	247	60	85	83	1,682	Je 1,687	Ja 1,378	1,620	1,596	17	7	2,707,250
22	Michigan.....	259	1,454	322	48	50	66	968	Au 1,064	Ja 774	1,047	1,032	11	4	2,004,091
23	Minnesota.....	592	2,935	799	128	72	94	1,842	Je 1,131	Ja 1,453	1,921	1,911	8	2	5,345,001
24	Mississippi.....	76	289	100	3	3	6	177	Au 196	Ap 157	195	188	1	0	306,063
25	Missouri.....	417	2,014	523	95	54	59	1,283	Se 1,844	Ja 1,173	1,350	1,338	8	4	3,202,785
26	Montana.....	255	908	309	32	21	26	520	Je 623	Ja 413	524	524			1,242,893
27	Nebraska.....	499	1,897	661	32	20	50	1,134	Se 1,319	Ja 989	1,170	1,164	4	2	3,600,091
28	Nevada.....	17	74	18	4	3	4	45	Se 50	Ja 35	47	47			88,734
29	New Hampshire.....	48	232	52	9	4	10	157	Au 197	Ja 121	163	161	2		371,782
30	New Jersey.....	493	2,393	492	90	84	100	1,627	Je 1,747	Ja 1,473	1,693	1,665	6	22	4,328,592
31	New Mexico.....	51	212	56	3	6		147	No 166	Ja 136	161	161			322,088
32	New York.....	999	8,815	981	457	652	528	6,197	Au 6,528	Ja 5,552	6,449	6,413	34	2	16,134,507
33	North Carolina.....	309	1,844	345	161	32	33	1,283	De 1,338	Ja 1,201	1,332	1,313	0	13	3,116,635
34	North Dakota.....	139	500	159	20	10	8	303	Je 392	Ja 203	293	291	2		1,723,001
35	Ohio.....	540	3,463	623	144	100	166	2,430	Oc 2,798	Ja 2,156	2,503	2,467	26	10	6,811,464
36	Oklahoma.....	129	715	166	41	33	20	455	Se 498	Ja 403	497	490		7	1,000,264
37	Oregon.....	229	1,163	294	46	57	39	727	Se 810	Ja 608	813	797	12	4	1,492,500
38	Pennsylvania.....	1,359	7,607	1,582	253	284	263	5,225	Au 5,505	Ja 4,797	5,473	5,385	39	49	15,374,528
39	Rhode Island.....	99	493	104	14	7	19	349	Je 381	Ja 319	341	340	1		551,167
40	South Carolina.....	183	826	202	47	31	14	532	De 588	Fe 493	599	596		3	2,187,004
41	South Dakota.....	362	1,341	491	13	15	28	794	Au 936	Ja 625	820	814	3	3	2,519,001
42	Tennessee.....	163	894	211	38	15	27	603	Je 634	Fe 549	641	635	5	1	1,640,010
43	Texas.....	334	1,850	448	86	42	26	1,254	Oc 1,340	Ja 1,133	1,373	1,353	8	12	2,881,206
44	Utah.....	125	626	134	42	12	12	426	Au 506	Ja 304	462	458	2	2	665,938
45	Vermont.....	85	430	98	11	5	19	297	Je 345	Ja 235	306	303	2	1	828,852
46	Virginia.....	116	582	146	23	20	17	376	Je 392	Ja 357	394	392			820,617
47	Washington.....	562	2,591	638	119	65	82	1,687	Se 1,840	Ja 1,456	1,844	1,820	13	2	3,997,777
48	West Virginia.....	158	694	181	33	29	25	421	Au 481	Fe 351	457	452	1	4	1,377,865
49	Wisconsin.....	673	2,844	851	95	44	116	1,738	Au 1,909	Ja 1,485	1,821	1,784	22	15	6,007,889
50	Wyoming.....	139	588	168	24	16	17	363	Au 451	Ja 277	376	374		2	850,820

<sup>1</sup> Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).  
<sup>2</sup> Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

# AUTOMOBILES.

Reports were secured only from establishments which were equipped with power-driven machinery necessary for extensive repair work, and garages and establishments which made only minor repairs with hand tools were, therefore, not canvassed. Allow-

ance must be made for the fact that many of the establishments from which reports were received included items covering the sale of accessories, etc., which could not be segregated because of the lack of necessary data.

## AUTOMOBILE-REPAIRING INDUSTRY, BY STATES: 1919.

EXPENSES.								POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.				
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. <sup>1</sup>	Rent. <sup>2</sup>	

### AUTOMOBILE REPAIRING.

Dollars. 6, 237, 721	Dollars. 5, 265, 398	Dollars. 71, 613, 471	Dollars. 1, 409, 553	Dollars. 7, 846, 451	Dollars. 1, 828, 906	Dollars. 84, 013, 410	Dollars. 3, 635, 443	Dollars. 224, 652, 159	Dollars. 137, 003, 306	82, 691	1, 721	42	17, 571	132	63, 225	518	1
43, 114	27, 026	583, 618	400	58, 583	16, 366	615, 619	25, 357	1, 742, 915	1, 101, 939	990	.....	.....	297	2	691	.....	2
21, 459	24, 340	356, 575	.....	43, 003	7, 253	350, 295	16, 814	1, 013, 243	646, 134	422	.....	.....	35	.....	357	.....	3
20, 277	10, 660	277, 418	.....	31, 744	3, 927	275, 734	15, 800	838, 886	547, 292	605	.....	.....	183	.....	422	.....	4
353, 012	462, 364	8, 299, 952	348, 266	1, 048, 230	162, 642	8, 963, 093	303, 488	24, 893, 910	15, 627, 332	8, 424	.....	.....	482	2	7, 932	.....	5
170, 153	125, 599	1, 955, 265	22, 823	194, 409	71, 295	2, 027, 350	94, 917	5, 679, 480	3, 557, 213	2, 229	31	6	494	2	1, 696	.....	6
179, 260	106, 335	1, 333, 965	13, 208	172, 541	34, 597	1, 598, 716	91, 227	4, 545, 449	2, 855, 502	1, 093	10	.....	135	.....	948	.....	7
4, 962	4, 033	50, 577	535	9, 170	844	45, 187	2, 164	140, 632	93, 281	40	.....	.....	19	.....	21	.....	8
35, 522	54, 301	229, 085	2, 000	23, 080	5, 826	358, 905	12, 719	884, 002	482, 378	158	.....	.....	2	.....	156	.....	9
25, 180	14, 728	206, 702	133	32, 569	6, 750	231, 318	13, 367	740, 290	495, 805	590	202	.....	97	4	287	.....	10
95, 448	54, 158	1, 033, 516	8, 280	99, 001	25, 755	1, 047, 855	41, 324	2, 738, 649	1, 643, 270	1, 181	46	.....	296	.....	839	.....	11
50, 500	27, 333	533, 594	.....	47, 024	12, 290	517, 255	25, 627	1, 445, 754	902, 862	485	.....	.....	26	1	458	.....	12
384, 664	321, 854	4, 063, 019	23, 130	472, 773	77, 673	5, 881, 787	220, 797	13, 951, 423	7, 845, 839	4, 278	72	.....	608	.....	3, 598	.....	13
98, 344	51, 193	1, 067, 146	6, 615	103, 417	26, 918	1, 217, 716	67, 442	3, 352, 031	2, 066, 873	1, 692	28	10	401	.....	1, 253	.....	14
134, 473	12, 874	1, 736, 347	8, 811	187, 961	39, 918	2, 187, 107	144, 988	886, 835	3, 474, 730	3, 232	10	.....	803	.....	2, 419	.....	15
56, 503	46, 487	1, 171, 665	18, 980	99, 809	22, 131	1, 211, 941	63, 480	3, 288, 214	2, 012, 793	2, 129	10	.....	522	.....	1, 697	.....	16
56, 015	36, 676	773, 127	386	74, 053	22, 965	902, 584	39, 355	2, 389, 396	1, 447, 457	1, 261	19	.....	550	2	690	.....	17
55, 393	32, 876	547, 578	2, 240	41, 423	12, 243	623, 975	24, 173	1, 548, 329	900, 181	834	30	.....	295	.....	509	.....	18
32, 421	28, 545	464, 282	.....	35, 836	11, 900	439, 244	28, 318	1, 276, 009	809, 047	773	8	.....	186	.....	579	.....	19
208, 767	150, 906	1, 288, 909	37, 201	100, 753	45, 750	2, 316, 773	52, 524	4, 874, 344	2, 565, 047	1, 094	4	.....	119	.....	974	.....	20
149, 437	186, 701	2, 044, 460	9, 500	203, 359	88, 343	1, 948, 460	95, 160	5, 972, 500	3, 928, 880	1, 424	.....	.....	125	.....	1, 299	.....	21
98, 485	114, 589	1, 288, 441	15, 982	114, 734	48, 883	1, 780, 450	82, 461	4, 226, 691	2, 363, 750	1, 362	2	.....	182	.....	1, 178	.....	22
207, 516	119, 399	2, 295, 942	44, 932	247, 594	63, 755	1, 983, 318	176, 550	9, 282, 481	7, 118, 513	2, 836	22	.....	743	.....	2, 065	.....	23
2, 100	6, 472	215, 637	3, 273	23, 300	7, 062	163, 014	18, 111	686, 164	510, 939	472	.....	.....	248	.....	224	.....	24
161, 907	88, 622	1, 587, 597	52, 312	202, 309	26, 131	1, 988, 887	88, 563	5, 212, 137	3, 134, 877	1, 976	14	.....	598	.....	1, 364	.....	25
45, 242	40, 596	774, 973	177	98, 655	22, 280	544, 688	60, 597	2, 038, 836	1, 433, 551	1, 187	19	.....	291	5	872	.....	26
60, 064	56, 962	1, 553, 812	7, 630	126, 059	37, 883	1, 820, 985	107, 309	4, 549, 978	2, 621, 684	2, 822	18	.....	1, 062	.....	1, 742	.....	27
10, 060	6, 470	79, 432	.....	10, 440	1, 300	70, 462	4, 603	221, 372	143, 307	118	.....	.....	9	.....	109	.....	28
9, 106	9, 740	189, 728	.....	20, 801	3, 863	323, 414	11, 516	682, 679	347, 750	220	.....	.....	20	35	165	.....	29
169, 428	161, 378	2, 144, 190	12, 866	242, 635	47, 386	2, 204, 678	107, 622	6, 129, 747	3, 817, 447	2, 083	105	.....	388	.....	1, 590	.....	30
2, 250	4, 950	202, 945	170	17, 232	4, 832	158, 837	13, 629	494, 597	322, 131	359	.....	.....	91	.....	283	.....	31
1, 071, 989	1, 197, 146	8, 087, 997	92, 810	1, 193, 816	206, 497	10, 041, 435	342, 062	25, 310, 348	14, 026, 851	5, 897	43	.....	759	5	5, 090	.....	32
307, 808	82, 830	1, 702, 371	16, 240	128, 784	35, 445	1, 743, 369	64, 252	5, 002, 291	3, 194, 670	1, 748	16	.....	710	2	1, 020	.....	33
27, 156	15, 524	367, 920	1, 173	23, 907	18, 161	505, 501	40, 420	1, 231, 981	686, 660	767	.....	.....	323	.....	444	.....	34
271, 286	230, 647	3, 311, 759	38, 435	283, 977	86, 497	4, 344, 632	149, 745	10, 245, 408	5, 751, 011	3, 678	180	.....	735	.....	2, 763	.....	35
92, 440	58, 417	602, 889	3, 735	62, 584	14, 908	869, 346	32, 754	2, 108, 455	1, 206, 355	1, 041	4	.....	452	.....	585	.....	36
78, 713	80, 884	1, 027, 133	405, 620	107, 166	15, 305	745, 746	44, 360	2, 604, 602	1, 814, 496	1, 202	2	.....	196	11	993	.....	37
527, 491	523, 794	6, 864, 510	146, 049	698, 728	110, 659	8, 068, 450	295, 523	20, 652, 253	12, 318, 280	7, 109	621	.....	1, 431	9	5, 043	.....	38
25, 257	25, 680	390, 368	100	40, 542	13, 368	317, 050	19, 845	1, 081, 055	744, 190	342	50	.....	31	.....	261	.....	39
75, 109	35, 191	631, 369	976	65, 530	30, 223	788, 679	29, 972	1, 984, 432	1, 165, 581	851	16	.....	202	.....	633	.....	40
18, 867	36, 287	1, 184, 245	2, 592	82, 812	27, 922	1, 146, 865	85, 173	3, 346, 013	2, 114, 575	2, 082	14	.....	867	.....	1, 201	.....	41
70, 261	23, 128	1, 068, 462	583	64, 235	16, 064	1, 013, 503	30, 774	2, 329, 353	1, 814, 076	1, 025	10	.....	218	9	788	.....	42
147, 831	61, 704	1, 468, 685	2, 559	200, 533	41, 465	2, 111, 978	73, 444	5, 301, 804	3, 116, 382	1, 693	34	.....	431	.....	1, 228	.....	43
66, 120	20, 817	524, 001	300	64, 807	8, 090	569, 591	25, 701	1, 537, 194	947, 812	596	10	.....	37	.....	37	.....	44
17, 270	16, 365	326, 221	.....	18, 465	10, 678	654, 897	19, 132	1, 820, 513	1, 146, 514	459	.....	.....	114	21	324	.....	45
32, 440	36, 729	423, 183	.....	55, 142	13, 502	781, 738	18, 923	1, 640, 891	840, 225	409	.....	.....	87	.....	1, 620	.....	46
219, 555	145, 848	2, 494, 747	36, 906	276, 852	60, 592	2, 311, 886	103, 136	6, 952, 681	4, 537, 659	2, 311	32	.....	225	.....	2, 054	.....	47
53, 962	43, 727	529, 944	4, 825	55, 647	15, 796	811, 614	25, 891	2, 299, 650	1, 462, 154	1, 071	.....	.....	4	.....	608	.....	48
148, 624	113, 553	2, 053, 358	16, 353	183, 358	105, 706	2, 782, 589	158, 677	6, 864, 730	3, 923, 473	3, 210	4	22	728	19	2, 437	.....	49
42, 080	20, 246	601, 762	.....	49, 876	10, 727	570, 604	36, 255	1, 660, 287	1, 053, 428	837	27	.....	259	3	548	.....	50

<sup>2</sup> Same number reported for one or more other months.