

MOTOR FIGURES STEADILY RISE

More Than Nine Million Motor Vehicles Registered During Last Year

NEW YORK HEADS LIST

State of Ohio, However, Makes Mad Race For Supremacy

WASHINGTON, March 12.—Official figures compiled by the American Automobile association indicate that there were 9,180,316 passenger and commercial motor vehicles registered in the United States during 1920, of which approximately 8,234,490 were for passenger use and about 945,826 were commercially employed. During the same period

271,220 motorcycles were also registered. The total receipts from registrations amounted to \$99,141,097. In two states, namely California and New York, the figures given in the following table cover only the first 11 months of the registration year ending Feb. 28, 1921. The total registrations for the year will therefore exceed 9,200,000 cars and receipts will probably reach \$100,000,000. One Car to Each Eleven. It thus appears that there is now one motor vehicle for about every 11 persons, and that receipts from registrations and licenses amount to more than one fifth of the total annual expenditure for all roads and bridges in the United States. The gain in registrations over 1919 amounts to 2,114,870, which is the greatest increase ever recorded in a single year. This expansion is considered remarkable in view of the adverse business conditions during the latter part of the year. Receipts from registrations and licenses showed a gain of \$34,443,842, or 53 per cent over 1919, the greatest increase over recorded in a single year. The registrations include in a few cases, notably in Maryland and the District of Columbia, duplicate registrations, but these do

not materially affect the grand total. The race for supremacy between New York and Ohio in the number of motor vehicles is again in New York's favor. The mid-year registrations last summer showed Ohio leading, but during 11 months of the registration year New York scored 683,919 motor vehicles and Ohio ran second with 629,699 for the entire year. Pennsylvania occupies third place with 579,164 cars; Illinois fourth, 568,914; California fifth, 568,892; Iowa sixth, 437,030; Texas seventh, 427,693; Michigan eighth, 412,717. California Growing. As California figures are for 11 months, the chances are that the total for the year will equal or exceed that for Illinois, and possibly of Pennsylvania. In receipts from registrations, New York state leads with \$8,817,709; Pennsylvania comes second with \$8,059,875; Iowa third, \$7,487,836; Ohio fourth, \$6,400,000; Illinois fifth, \$5,789,612; California sixth, \$5,554,265; and Michigan seventh, \$5,494,486. Nurse—I don't know why you are crying. You have a nice new little sister. Only Son (who already has four sisters)—Yes. Now I'll have to tend the furnace all my life.—Cleveland Press.

NEW FEATURES DRAW COMMENT

Carburetion System of Oldsmobile Four Adds Tremendous Power

REATOMIZER IS BOOSTED

Device Declared to Eliminate Trouble in Starting in Cold Weather

"Now that people are becoming accustomed, at least to a certain degree, to the truly remarkable performing abilities and other wonderful qualities of the new Oldsmobile Four as a motor car and as a transportation unit, the mechanical advantages of many of the individual improvements embodied in the new model are coming in for a big share of favorable comment," states C. H. Farnham, general manager of the Oldsmobile Sales company. Reatomizer Is Improvement. "Especially enthusiastic are the comments on the carburetion system of the Four. A unique improvement, known as the 'reatomizer' has been placed directly above the carburetor. The function of this device is to lead from the sides of the intake pipe the heaviest portions of the fuel, which tend to cling thereon, and to direct them instead through four small ducts in the center of the air stream. "This device not only helps in cold weather starting, but practically eliminates gasoline deposits in the crank case. An exhaust heated 'hot-spot' is also situated at the 'T' of the intake manifold. Wisecrack Comment. "The sturdy construction of the transmission and rear axle have also aroused the favorable comment of the motor wisecracks who have given the car a careful inspection and trial. A torque tube of generous proportions now takes all torsional strains. "On choppy roads this is evident in decidedly improved riding qualities. A dry-plate clutch of large diameter is used in the new car. Alomite lubricating system is applied to chassis lubrication with highly satisfactory results. Passengers Are Witnesses. "With a total piston displacement of 224 cubic inches, the Oldsmobile Four has an abundance of power, as all who have ridden in the car realize far more clearly than through the reports, written or oral, of friends or newspaper experts. "Three large exhaust ports in the cylinder head provide for unusually efficient scavenging of the burned gases from the cylinders. This is a most important feature and contributes greatly to the unusual power and responsiveness of the new motor."

which ranks second from the bottom in the number of cars owned, received \$329,697. Fees Increase South. It is interesting to note that practically all the southern states showed large increases in the amount of fees received. This forecasts extensive progress in good road work in that section during the next few years. Many states in the south are supplementing the money received from license fees with substantial bond issues, thereby making even greater progress possible. Law Lacks Uniformity. Comparison of the total license fees of the various states with the number of machines which they have registered shows a lack of uniformity in the license laws. Iowa, for instance, which ranked second in the amount of license fees, ranks sixth in the number of cars owned. It has only two-thirds the number of cars of Ohio or Pennsylvania and 100,000 less than California. Florida received only half as much as Alabama although it has 4000 more machines, the totals being \$554,695 and \$1,041,225 respectively. Connecticut with 119,037 cars received \$1,327,431 while Colorado with 128,940 received only \$818,774. United States Leads in Automobiles Per Capita. While the United States has 7,904,271 motor vehicles, according to the latest authoritative compilation of registrations to July 1, last, the rest of the world has probably fewer than 1,000,000 gasoline power conveyances, exclusive of motorcycles, which predominate in many European countries. Here is the ratio of motor vehicles (except motorcycles) to population: United States—One to 13.58 persons. Canada—One to 21.29 people. Argentina—One to 112.98 persons. United Kingdom—One to 179.88 persons. France—One to 198.11 persons. Germany—One to 866 individuals. Mexico—One to 968.79 people. Italy—One to 195.33 persons. Austria—One to 1502 people. Russia—One to 12,110 persons. TIRE LOOKED NEW. Ajax tires are the tires. An Ajax cord tire, 30 by 3 3/4, was brought to attention the other day which had run over 11,000 miles and the tread looked just as though it had come from the factory. The tire was placed along with several others of the same kind and did not show any wear. LIGHTHOUSE KEEPER SUBSTITUTES MOTORCYCLE FOR WATER CRAFT. When the ice along the shore of Long Island sound prevented Capt. R. G. Hendricks, lighthouse supervisor, from making his rounds with the customary aid of a small boat, he met the situation in an ingenious way by haul-

ing out his trusty land craft, a motorcycle side-car outfit. He now avers that this method is even superior to the old, as he is able to carry a sufficient quantity of oil for the lamps besides saving considerable time.

JAPANESE FAVOR MOTORCYCLES. The motorcycle seems to be far more popular in the Orient than the automobile. This is partly due to the streets being too narrow for the practical use of the four-wheeler, and then too the economy of the motorcycle makes a big appeal. American manufactured motorcycles predominate, and imports are increasing. — Use Statesman Classified Ads.

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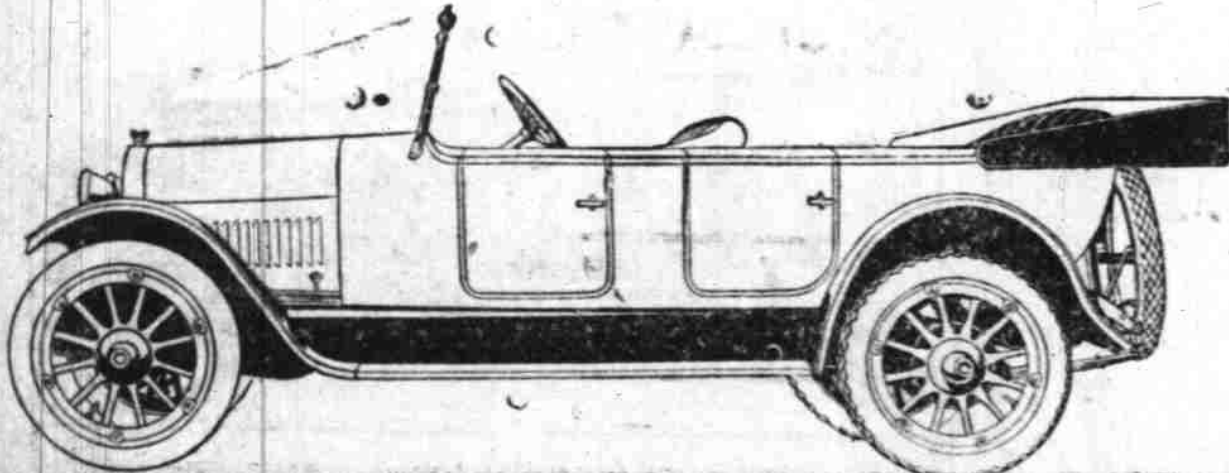
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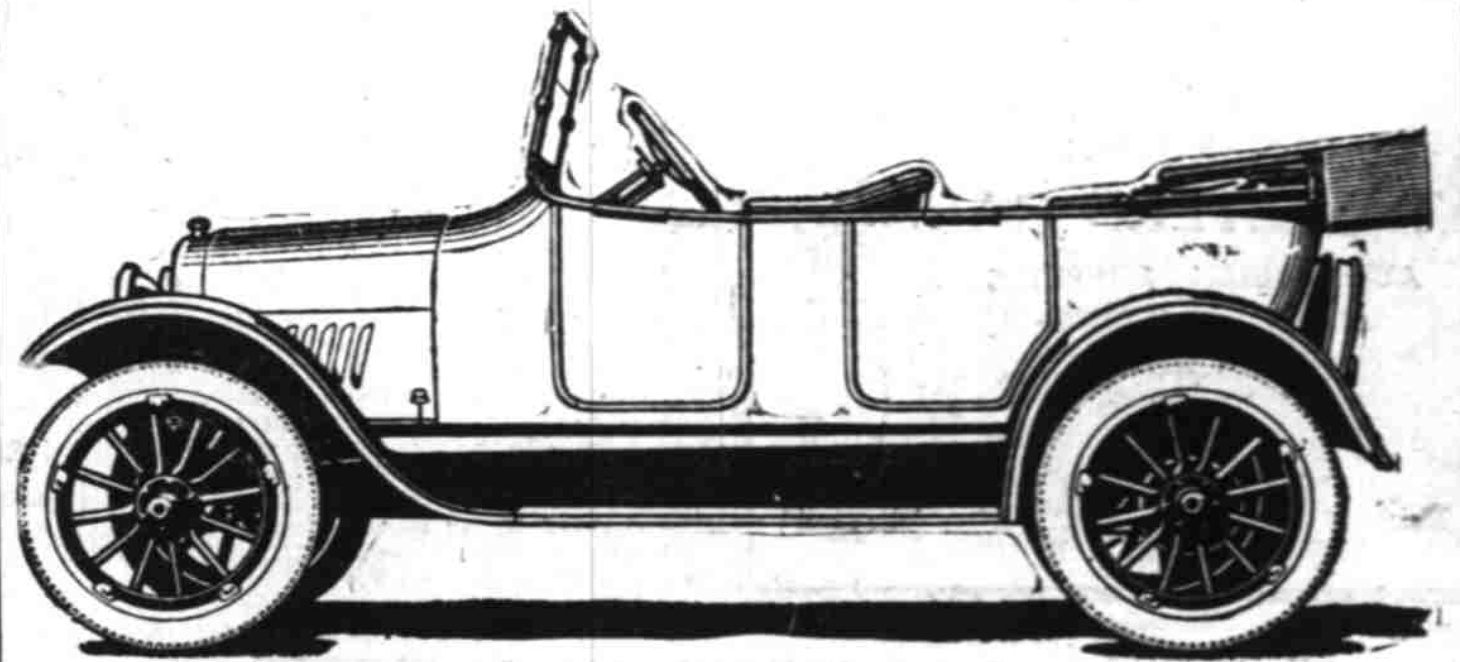
Average License Sum Paid By Each Motorist Country Over is \$10.50

Passenger car and motor truck owners of the United States last year paid out the huge sum of \$88,720,852 in license fees to the various states, according to compilations made by the B. F. Goodrich Rubber company. Approximately 90 per cent of this amount or about \$88,850,000, goes into the construction of good roads, highway authorities say. In other words, about 3,000 miles of high grade hard-surfaced highways could be built with the amount paid by the country's motorists.

Increase Is Third. The 1920 total exceeds that of 1919 by more than 33-1/3 per cent. The total in 1919 having been only \$65,522,259. This large difference is accounted for by the larger number of machines now in use and also by the fact that many states have laid a heavier burden on the car owner by increasing the yearly fees. Striking an average for the entire country, each motorist paid in license fees about \$10.50, the total number of machines as shown by the 1920 registrations having been 9,295,252. In 1919, when 7,604,016 cars were registered, the average was less than \$9.

Louis Follows New York. The largest amount paid to any one state was paid by New York motorists, the total being \$8,818,103. Iowa had the second largest total—\$7,487,820. Pennsylvania was third with \$6,634,541; Ohio fourth with \$6,500,000, and California fifth with \$5,520,119.

Twenty-four states, or just half the total number, showed totals of \$1,000,000 or more. Nevada received from its 10,464 motorists only \$102,307, hardly enough to pay for more than three miles of improved highway. Delaware



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