

AUTOMOBILE SECTION

WONDERFUL GROWTH OF AUTO BUSINESS IN 1919

Unofficial figures compiled from various sources tell a wonderful and amazing story of the automobile industry in 1919.

Ninety manufacturers of passenger automobiles and 170 builders of motor trucks in 32 states, employing 350,000, produced approximately 1,356,787 passenger cars and 363,142 trucks, valued at \$1,807,932,829 in the last twelve months.

A small group of automobile tire manufacturers produced more than half of the 20,000,000 tires made in '19, with the other half manufactured by 113 small companies. Of the entire total the Goodyear Tire & Rubber Company made nearly 7,000,000 tires, or 26 per cent. In 1920, it is estimated that 40,000,000 tires will be produced, of which this company will produce about 26 per cent.

Automobile exports last year were of startling totals. The value of motor vehicles and parts sent abroad to 41 countries was \$146,534,516, of which 62,624 were passenger cars, valued at \$88,845,740, while 14,745 were commercial vehicles worth \$57,722,418. The value of parts exported was \$42,914,254.

It is estimated that there were in 1919 62,026 automobile dealers, garages and repair shops in the United States. Of the total 32,317 were passenger car dealers; 18,943 were truck dealers; 36,427 were garages, and 43,381 were repair shops.

Farmers were the largest users of motor trucks, owning 10 per cent more than manufacturers and 15 per cent more than retailers. It is estimated that 40 per cent of the car output was sold to farmers last year.

The 7,100,000 motor vehicles in use in the United States, of which 700,000 are motor trucks, brought \$65,000,000 revenue to states from license fees.

Mathematicians figure that there are 15.96 persons in the country to every automobile, and two cars in the coun-

try for every square mile.

Lovers of horse flesh will view with sadness the fact that 3,600,000 horses were disposed by motor trucks last year. At the same time it is estimated that 15,000,000 acres of land were released for food production by the use of trucks.

Iowa and Nebraska have the greatest number of automobiles per capita, with one car for every six and a half persons. Tennessee led the country in increase of car registrations, with 25 per cent gain.

ATLAS TRUCK CARES NAUGHT FOR MUD

Transporting perishable commodities, like poultry, butter and eggs, over one hundred miles over all kinds of rutty roads, brick pavement and through Illinois mud from fifteen to twenty inches deep is not the easiest problem in the world," says H. A. Thiel of the Lake County Auto Supply & Sales, and to the Frank Atlas Produce Co. of Lincoln, Ill. offered a source of worry that corrugated the brow of H. L. Atlas, proprietor of the company. His accountant finally told him that the solid tire trucks in use were costing more in depreciation and upkeep than they earned. On the verge of deciding to return to horse-drawn vehicles, Mr. Atlas bought a new truck equipped with Goodyear-cord pneumatics. Now he writes enthusiastically that in twelve months he has spent nothing on repairs, carries heavy overloads on the same poor roads, his gas and oil consumption has decreased 20 per cent and he is able to retain drivers because they are not tired out each night from the jolting they get from the solid-tired vehicle.

Exports of Willys-Overland are Trebled

Export orders on the books of the Willys Export corporation, a subsidiary of the Willys-Overland company, are reported to be more than three times as large as the total foreign shipments of Willys-Overland during

any preceding year.

This great growth of the Willys-Overland company's foreign business is indicative of the fact that the new Willys-Overland product is proving as successful in foreign countries as at home.

It is stated that the Willys-Overland Canadian company has been reorganized during the last year with increased capital and is now turning out more than fifty cars a day.

It is also stated that the Willys-Overland company's plant in Manchester, England, will have a capacity for manufacturing 25,000 cars a year by the end of 1920.

Production of the Willys-Overland plant in Toledo is now in excess of 500 cars a day and that production, it is expected, will reach 800 cars a day within a short time.

Inasmuch as the demand for the new product is increasing steadily and in excess of present production facilities the Willys-Overland company is now taking far-sighted steps to provide facilities for greater economies in connection with present production and greater production on an economy basis in the future.

EXPERTS SAY

Here is a simple method of carrying extra suitcases or other baggage when equipment is not provided for this purpose.

On the front of the running board six small strap loops may be fastened by wood screws. Two loops are set in at the rear edge of the board about twenty inches apart. Another two are set six inches on the board, a convenient distance apart. This is governed by the size of the package that is being considered. The remaining two are located at the front edge of the board on its under side. The reason for this is that it permits the parcel or baggage to overhang the board and in this way a larger one can be carried than would be possible otherwise. Cord or straps can be arranged to tie or strap over the bundle, the ends being threaded under the loops in a convenient manner.

Automotive Notes From Far and Near

Canada has nearly 15,000 motor trucks.

Tennessee has more than 10,000 grade crossings.

Automobile tires are now manufactured in Japan.

Passenger automobiles in Copenhagen, Denmark, total 1,255 cars.

Japanese in Oregon own eighty-two automobiles and 161 motor trucks.

since some of the fuel will have condensed while the engine was scolding. It is hardly necessary to add that after stalling the engine in this way the switch should be turned off to prevent waste of current (assuming that a battery system is used).

If the tube is allowed to get into the dust and particles of sand or grit stick to it or if, when a roadside repair is being made, these find their way into the case, more trouble is ahead. In time you will find your tube full of tiny holes as if fine glass had done the work.

Moisture or grease on the surface of the distributor housing will sometimes cause serious misfiring because the high tension current skips across the surface of this foreign matter instead of going through the regular channels. The obvious remedy is to wipe off the surface. The presence of moisture may be explained by the fact that it may be drawn in with the air flowing through the radiator or may condense on the surface on a damp day. Grease or oil collects on the surface from oil spray thrown out by the engine.

A single stray strand of wire may produce a ground which will stall the engine. A preventive measure is to use terminals, but sometimes terminals break off, or it is necessary to put in a new wire without waiting to attach terminals. In either of these instances there is a chance that a single strand will become loose and cause a ground. There is an easy way out of this difficulty, however. Simply bare two or three inches of the end of the wire, loop it and twist it, and then tape all the bare metal except the loop itself.

IGNITION SUPPLIES

Platinum, Tungsten, Silver and Relay Points, and brushes for all makes of cars. Ignition parts for Bosch, Eisemann, Simms, Dixie, Splittdorf, Remy, Kingston, Mea and Berling Magnetos. Parts for Delco, Remy, Atwater-Kent, Connecticut, Westinghouse, North East, Kingston and Wagner Distributor.

The only house that carries a full supply of ignition parts in Lake County.

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Strange Names Popular.
In India names are likely to change as a result of conversion to Christianity. For instance, Mr. Nosepricked becomes Mr. Servant of Jesus; Mr. Beggar, Mr. Child of the Church, and Mrs. She Devil, Mrs. Happiness.

Record for Potatoes.
The department of agriculture says that the weight of the largest potato recorded in their office is between seven and eight pounds. There may have been larger ones produced, but the department has no record of them.

The Modern Joke.
An Englishman, writing of the decadent humor of the world today, has this to say: "A joke, to amuse us, must be about nothing, or one of the jokes with which Adam tried to amuse Eve, or for which Cain killed Abel."

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