

IN THE WORLD OF EASY TRAVEL

IT'S THE CHEAPEST WAY

MOTOR TRUCK HAULING, EVEN FOR FARMERS

Government Statistics Prove That This Is the Case—Relative Hauling Costs.

"Motor truck hauls in 1918 from farm to shipping point averages 11.3 miles, while wagon hauls averaged nine miles; and a motor truck made 2.4 trips per day over its longer route of 11.3 miles, while the wagon made 1.2 round trips per day over the nine-mile distance.

The above is quoted from a report compiled by the Bureau of crop estimates of the United States department of agriculture. The figures represent the experience of thousands of farmers and surely demonstrate the advantages of the motor truck in farm work.

Truck Hauling Cheapest.

Continuing the report, roads, "The estimated cost for hauling in wagons from farm to shipping point averaged in 1918 about thirty cents per ton mile for wheat, thirty-three cents for corn, and forty-eight cents for cotton; for hauling in motor trucks the averages are fifteen for wheat or corn and eighteen for cotton. A similar enquiry in 1906 showed an average for wagons of nineteen cents per ton mile for hauling corn or wheat, and 27 cents for hauling cotton. In 1918 costs were naturally higher, since prices and wages have increased, but motor truck costs were much lower in 1918 than even the truck cost in 1906, due to the greater efficiency of the motor truck.

Farmers in all parts of the country will be interested to know, in comparison of wagon versus motor truck cost of hauling a ton mile of wheat for various localities in America. The comparison, taken also from the official department of agriculture report, is as follows:

	wagon truck	
Pacific States	.....\$0.22	\$0.17
N. Central States	.....	..26
W. N. Central States	.....	..29
W. S. Central States	.....	..39
New England	.....	..38
Middle Atlantic	.....	..38
South Atlantic	.....	..39
Rocky Mountains	.....	..42

It can be seen in the above table that in the eight sections into which the United States is divided truck-

ing costs in the Pacific States are exceeded only in the South Atlantic and Rocky Mountain States. The cost in the north central states, east of the Mississippi river, shows a tremendous saving, which is another argument in favour of good roads.

Old Saws Autoized.

The auto's the thing. A tire saved is a tire bought. Gasoline makes the auto go. Oil in time keeps engines fine. While there's gasoline there's hope. Be careful and you'll never be pinched. It's a long stretch of sand that has no ending.

Unto each machine some accidents must befall.

All the world loves the owner of a new model.

A four-cylinder car may look at a twelve.

'Tis a wise autoist that knows his own machine.

A reckless driver and his machine are soon parted.

Trust in the Lord, but keep your tail light burning.

A car in your garage is worth two in the sales room.

You never miss the gasoline till the tank runs dry.

He who rides in the rear seat cannot choose the way.

Out of the fulness of his gasoline tank the good tourist lendeth.

In the spring a young man's fancy turns to thoughts of a new model.

Let thy muffler remain closed, for the muffler oft proclaims the model.

Speed and the world speeds with you; slow down and you slow down alone.

All machines that glitter are not new models, but if they glisten you may be sure they do not need painting.

Seest thou a man diligent in his driving, he shall get to the next town; he shall not tarry long on the road.

KEEP AN EYE ON TIRES AND BATTERY

The tires that relieve your car from the shock of the road, and the storage battery that supplies current for lighting and starting are similar in several ways, according to I. Lessee, the local Willard expert. It's easy to see that there is a resemblance between the air held under pressure in the tire and the electricity held ready for service by the battery. In both the tire and battery you are depending on common but invisible forces.

Of all points of similarity between tire and battery, however, the strongest is that of care required. Four tires, for instance, may go a mile after mile without giving you a bit of trouble. Then on a little stretch of rough road there may come a "pop" and you're on a flat tire. The tire was a good tire up to the minute it blew, and could have been repaired at small cost; but for weeks, perhaps, that spot may have been wearing deeper into the casing.

These conditions are closely paralleled in the storage battery with electricity instead of air as the force to be held in check; and the insulation in place of the tire casing. When the battery is new the insulation is perfect just as a new tire casing is free from flaws. As time goes on some slight weakness may develop. If you watch your battery these can be taken care of at very small cost and no serious trouble will come up. No matter how perfect your tires or battery are it pays well to keep your eyes on them and stop the little troubles before they develop into big ones.

Get More Vim! Renew Your Strength!

If you are tired, nervous, sleepless, have headaches and languor, you need Dr. Hamilton's Pills; they tone the stomach, assist digestion, brace you up at once. Taken at night—you're well by morning. Stiffness and tired feeling disappear instantly. Vim, spirits, hearty health, all the joys of life come to everyone that uses Dr. Hamilton's Pills. No medicine so satisfactory. Get Dr. Hamilton's Pills to-day, 25c per box at all dealers.

9,000 MILES OF PROVINCIAL ROADS ARE BEING IMPROVED

At Present There Are 5,000 Men Working On the Ontario System of Good Roads—And the Season's Work May Involve the Expenditure of \$5,000,000.

The passage of the Highways Bill by the Federal House appears to have speeded up good road construction in Ontario, as the report from the Department of Highways states that there are now 5,000 men employed on the various roadway improvements in the Province, and added to this is the statement that the Ontario Government has arranged to spend \$5,000,000 for this season. This includes their actual expenditures on roadway carried out by the department, in addition to the percentages to be paid out to various municipalities which are taking advantage of the Government's provision for Provincial aid. A further announcement from the department is very welcome, as it states that the surveys are now at work on that section of the Ontario Highway from London to Windsor and that they hope very shortly to fix upon the definite route which the big highway will take from London westward.

Some indication of the extent of the work being carried on at present may be gathered from the report of a motorist who states that when he travelled over that section of the

Provincial Highway from Cobourg to Toronto, he saw at least a dozen points in the 70 miles where work was actually being carried on. This work consists of putting in permanent concrete culverts to replace narrow bridges, cutting down sharp hills and filling up deep hollows, widening the roadbeds to a uniform width of about 40 feet, and giving the roads a surface of fine gravel. Information comes from the Highway department to the effect that similar construction work is now going on all along the line from the Quebec border, from Prescott to Ottawa, and from Hamilton to Niagara Falls. Besides this work, main country highways are under construction in practically every county, while many of the smaller roads in the county market system are being built up. The county market system competition regarding roadways which a grant of 40 per cent. of the cost of construction is made by the Provincial Government.

Perhaps the most gratifying feature of it all is the further statement that at present there are 9,000 miles of roadway in Old Ontario undergoing improvement.

BIG MERGER IN CHATHAM.

Gray-Dort Motors Absorbs Big Carriage Plant.

The amalgamation of the Gray-Dort Motor Company, Limited with the William Gray-Campbell Company Limited, for the purpose of increasing the production of Gray-Dort Cars has been announced. Few people realize the tremendous expansion of the Chatham automobile industry in recent years, or the possibilities of the new scheme of Robert Gray, who is the head of the two corporations which have amalgamated and who will continue as president of Gray-Dort Motor Company. That the merging of the two corporations into an automobile industry will mean a betterment of industrial conditions locally is an assured fact.

There is a certain element of regret in Gray's dispensing with its carriage business, but we must be alive to the needs of the present day, and move accordingly, said vice-president W. M. Gray, when interviewed on the proposed amalgamation. "We are convinced that there is a great future for the Gray-Dort car and we have not to give it a chance. Our present plans are to increase the production of Gray-Dort cars next year by two to a half times the present production. In addition to these proposed changes, we purpose expanding our Motor Sales Department. We have purchased the old Dairy Mill property on William street, adjoining our present Motor Sales department, on which we intend to build extensions. I want to assure you that we will need all the men in the employ of the two past organizations, and expect in the near future to be able to employ considerably more than are on our payroll at the present time."

The Gray-Dort organization is the outcome of a little blacksmith shop which formerly was on the site where the Taylor's Mill is now located. It was opened in 1883 by William Gray, shortly after he came and settled in this country from Scotland. The Gray-Dort management prize a photograph of the blacksmith shop which is in their possession. In 1883 the name of the blacksmith shop was changed to include the sons Robert and James. Shortly after this Mr. William Gray lost his life as a result of injuries sustained in a railroad accident. The business steadily grew and at the age of twenty years, Robert Gray assumed control of the business. He has been the head of the concern ever since. In 1898 it absorbed the Manson Campbell Company.

Forecasting the great future of the motor industry in Canada the Gray-Dort Motor Company was organized in the fall of 1915, which company was controlled by the William Gray Campbell Company. Despite the fact that the war made production difficult, the expansion of the business has been so rapid as to demand the taking over of the carriage plant.

dolence to be forwarded to his widow and children.

A letter addressed to the Hamilton Automobile Club by the Hon. Finlay MacDermid stated that he expected that an order-in-council would be passed at an early date bringing the anti-glare headlight law into effect either on August 1st or September 1st. It was reported that the following clubs had added local prizes in the county competition regarding children on the subject: "How children may help to avoid automobile accidents."—Cobourg, \$40.00, Ottawa, \$125.00, Hamilton, \$25.00, and Woodstock, \$30.00.

A vote of thanks was tendered J. W. Tyndal for his services in compiling touring information regarding Muskoka and Lake of Bays Districts for the League. The secretary reported that copies of the recent amendments to the Motor Vehicles Act had been sent to all the newspapers in the province, and that many papers had been received containing the amendments. The board decided to request the Toronto and Hamilton Highway Commission to appoint a traffic officer or officers to direct traffic on the highway, and that the cars being used be in uniform, so that their authority may be evident to all motorists and other users of the highway. The appointment of a vice-president for the Canadian Automobile Association for Ontario was left in the hands of the legislation committee with power to act.

England Searching For New Fuel.

The problem of new automobile fuels which is attracting considerable attention in this country is being discussed with even more interest in England. An important step has just been taken by the Royal Automobile Club and the Commercial Motor Users Association, which have jointly agreed to provide the necessary funds for a programme of research in connection with the use of alcohol mixtures as fuel in internal combustion engines. The project is regarded as a very important one with greater potentialities for good to motorists as it seems inevitable, it is said, that English motorists will be required to resort to alcohol in the near future, because the needs of aviation will be so great that there will not be enough petrol and benzol to satisfy the demand.

The inventor of a speaking tube for use on aeroplanes which excludes outside noises has developed a new form of the device for commercial purposes. So that it will be of convenient size until consumed, a cake of soap has been invented that has a hollow waxed paper core.

Motorists Should Study Batteries.

"How often must electrical engineers and service men reiterate the warning to motorists that neglected batteries are short-lived, and that while a battery, like a candle, can go out without a blink, that is about the limit?" asks George J. Beattie, of the Auto-Electric Service Company of Toronto, Canada's premier service organization on motor car electrical equipment.

To avoid disaster the electrolyte should never be allowed to get below the level of the plates. Moreover, the battery should never under any circumstances be called upon to work when so far discharged that the gravity reading of the electrolyte is as low as 1.200. Motorists should have their batteries tested at least once a week and evaporated water content of the electrolyte replaced with pure distilled water from non-metallic containers. That a battery

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selected for the exacting service of wireless reserve and undersea propulsion by three of the allies' navies and for railroad signal and Pullman illumination must be second to none, is becoming better understood by motorists. We are replacing worn-out batteries of all makes with Gould batteries in ever-increasing quantities and for the same reasons are rebuilding all makes and all sizes of batteries with the famous Gould super-hard Dreadnought plates.

Pulling strings enables a wearer of a safety coat invented by a Baltimore tailor to instantly detach either sleeve or split the garment down the back for quick removal. Steam issuing from cracks in the earth is used in an Italian plant to produce from pure water other steam to drive engines which operate generators to produce electricity. Electric fog sirens have been invented that can be heard for fourteen miles.

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We have a few used Ford Cars which we can sell reasonably. All automobile repairs work guaranteed.


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Partridge Tires

Sentenced to do 10,000 miles. They will long outlive their term.

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A MEMBERSHIP RECORD

Made by the Ontario Motor League—Directors' Meeting.

Three hundred and sixty-six new members were elected at the last meeting of the Board of Directors of the Ontario Motor League, bringing the total membership up to 7,018, a record mark for the organization. Arrangements made on behalf of the league by the special committee with the Ontario Motor Truck Owners' Association, were approved and the association was formally accepted in affiliation with the League. A vote of thanks was passed to Joseph Wright of Toronto, for the part taken by him in the formation of the new association.

A letter was read from F. D. Tolchard, manager of the Public Service Department of the Toronto Board of Trade advising that the council of the board had adopted the resolution that the board support the Ontario Motor League in their endeavour to have a by-law passed by the city of Toronto requiring all vehicles to carry lights after dark and before dawn. After a discussion of the car-stealing situation, a resolution was passed requesting the legislation committee to co-operate with the public service committee of the board of trade in an effort to have corporal punishment inflicted on boys and young men taking cars for joy-riding purposes. A number of the directors referred feelingly to the death of William Hyslop, Jr., and the secretary was instructed to draft a resolution of con-

Every Size a Supersize



TIRES

DURABILITY

Like the riveted steel plates of a battleship, resistant to the stress of wear and tear, so is the structure and composition of a V.D.L. Tire.

Layer on layer, built by hand with exacting care and pattern, the finest rubber, fabric and cord combine to make tires that are massive, strong and resilient, giving an assurance of stability, confidence and endurance, yet without imparting an appearance of dignity to any car.

Good roads or bad, it makes no difference—dash, mud, sand or clay—your car equipped with V.D.L. Tires outpaces them all with a minimum expenditure of gasoline and oil, yet with the maximum of comfort.

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- a positive starter as reliable as the motor itself.
- a powerful lighting system, uniform under all engine speeds.

On the open models—Touring Cars and Runabouts—it is OPTIONAL EQUIPMENT. On closed cars—Sedans and Coupes—it is STANDARD EQUIPMENT.

On all models the Ford Standard Magneto also provides ignition independent of the batteries. See the Ford car with this new equipment.

Ford Runabout \$660; Touring \$690
On open models the Electric Starting and Lighting Equipment is \$100 extra.
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