Passing the Buck

Y' READY

I'LL BE

RIGHT

l Vehicles In London Must Carry Lights After October

Car Becoming Proper Vehicle

Greater Adaptability of Automobile Has Tendency to Stabilize Industry

A few years ago the automobile was ed upon as a six months' proposi-At the first signs of cold weather owner would run his car into the age, jack up the wheels, remove the take out the battery, drain the er and gasoline tank, carefully cover and there it would remain until ing. This meant that the owner of mobile realized only 50 per cent. of the season. his investment.

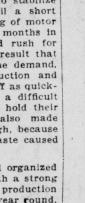
th and every instance is used all the costs. The manufacturer can lay out a

treme northern parts of the country.

This has had a tendency to stabilize the entire industry. Up until a short time ago practically all buying of motor cars was cone three or four months in For All Year the year. There was a mad rush for cars in the spring, with the result that cars in the spring, with the result that factories could not supply the demand. They would speed up production and then the demand would fall off as quicky as it came. This made it a difficult matter for manufacturers to hold their organizations together. It also made manufacturing costs very high, because there was a great deal of waste caused by the rush to build cars.

> To-day the well-established organized automobile manufacturer, with a strong dealer's organization, runs production at about the same rate this year round. Of course, there still remains the extraordinary heavy demand in the spring months, but the majority of owners buy cars when they need them, regardless

day the motor car in practically This has been a big factor in reducing



ELLA ! HOW

ABOUT A

LITTLE RIDE ?

IT'S A PEACH / BEEN IN THE



ALWAYS PASSING

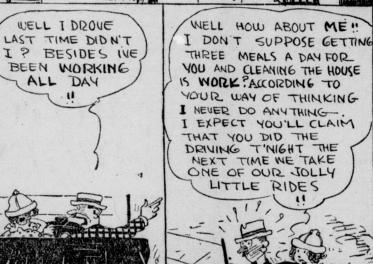
ON T'ME !!

THE DRIVING

I'D LOVE IT!

I HAVE N'T





YOU'RE EDING

T' DRIVE

AREN'T YOU ?

I'M ALL TIRED



Drive Your Open Car In Comfort This Fall and Winter

HOBBS SIDE WINGS, attached to the windshield of your open car, gives you the same protection afforded by the closed car on wet and cold lays. HOBBS SIDE WINGS deflect the inrush of air caused by the speed of your car, thus protecting you from the elements and the usual discomforts of open car driving in inclement weather.

HOBBS SIDE WINGS are easily and quickly attached and cost but \$15.00 per set. If your dealer does not have them in stock he can arrange to have them supplied and attached by any one of our branches shown below. These branches also carry a full line of plate glass for automobile wind-shields.

HOBBS SIDE WINGS

MADE IN CANADA HOBBS MANUFACTURING COMPANY, LIMITED.

schedule, buy the necessary material, eliminate labor shortages; in fact, practice many economies that would be impossible under the old method.

Another factor that has entered into winter business is the enclosed car. Production of this type of car has increased until it will be a matter of only a few years until the demand for closed cars will equal, if not exceed, the demand for open cars.

KEEP THEIR NEATNESS. "Look down along the procession of cars and notice the excellent condition of the tops, even of cars that have been used for years," said an auto dealer. "You rarely see the shabby, dilapidated top that used to disgrace even good automobiles. In no other detail has there been greater improvements. Tops to day are built of the best materials, braced, stayed and padded to keep their shape and neatness, and covered with "Look down along the procession of

Has Your Motor Good Compression?

Power, "pep," "pick-up," miles per machine shop.

with cylinders where it is not much more

parts of a motor are working unless every cylinder has good compression the motor is not working at its best.

The designers of motors were driven and engineers are understaking to lay a pavement on the foundation and the compression will be there. If it is not present it is a fault of the tracting national attention from engineers are attracting national attention from engineers.

heavy rainproof material. It used to than half that amount, and once such a have about .001 of an inch, of clearance take two or three persons to put them motor has run a few years the chances for every inch of piston diameter. Thus about half again as much at the closed upper end. This clearance is necessary to prevent the pistons from bind-

ing in the cylinders when subject to the mendous heat of the explosions. The above measurements apply to cast iron pistons; if aluminum alloy is used more learance must be provided depending upon the co-efficient of expansion of The rings which are fitted to every gas engine piston are for the purpose sealing the clearance necessary be-

tween the 'piston and cylinder wall. They are spring walls and will "hug" of compression making they must fit ring slots in the piston closely. play of the piston transversely in the The ring must be thick so as slot. The ring must be thick so as to reach deeply into the groove and yet come cracks in the varnish. The slots themselves wear on the shoulders paint and cause rust spots to form. so that the sides of the slots are no longer at right angles with the piston entirely new coat of paint and varnish, sides. When this condition of piston and rings is reached good ring fit is impossible and new pistons must be

No process but that of fitting each hem down to fit can give the best

The valves of an engine play a large part in compression losses, but they are essential to four-cycle engine operation, so that we must put up with them and keep them in shape. When the comsion on a cylinder seems to be getting poor it is well to inspect the valves. The seat is likely to be pitted or perhaps cess necessary is called valve grinding. If, however, well-seated valves do not place which can possibly be at

Poor compression should not be tolerated by any car owner because of the 1.-It does not pay; the fuel and oil

greater than it should be. 2.—It causes overheating, impairs en-gine operations and may do damage by

3.—The mileage possible per gallon of fuel and oil will be decreased while the motor will not give signs of having any surplus power. This is expensive as well as discouraging to any driver who takes pride in his car's perform

you have driven it a few years and have the idea it is only "an old bus." Once an owner does not wash his car everything else is neglected as well. The oil in your crankcase should be changed every thousand miles. Your engine will run better and last longer

Take the hub caps off the rear wheels occasionally and jack the wheels off the ground so as to make sure that they are not loose on the shaft. Once they get started much damage will soon

Go over your wiring once in a while and if any wires are resting on iron parts of the car raise them off such places and tape them or put conduits.

Some day, when your gas tank or vacuum feed tank is almost empty, drain everything out of it and flush it clean; you will be surprised how much dirt gathers there.

Get the habit of running over the gatherical parts of your car in your mechanical parts of your car in your

Chicago To Test High Speed Lane

Section of Michigan Avenue Reserved For Express Automobile Traffic.

CHICAGO, Sept. 29.—Construction of would correct that. Michigan avenue, in the downtown business district, may be resorted to in Chicago to help solve multiplying auto-mobile transit problems. Such a speedway would be the only one ever built in the very heart of a large city.

and enable cars to get in and out of the busy "Loop' district more quickly.
City officials will take up at the first session of the transportation committee of a new paint and varnish job this fall the proposal to construct a curb along the center of the boulevard, partitioning the two kinds of motor traffic -since this boulevard is for automobile passenger travel exclusively FOR 20-MILE SPEED RATE.

The side of the avenue toward the lake and removed from the busy loop area it is proposed to make for "express' traffic moving at least 20 miles an hour. Only at a few major streets would access be given to this portion of the street. The balance for slow local business would move at about eight miles and hour.
This arrangement, it is said, would

mean a considerable saving. It is the opinion of Major R. F. Kelker, superintendent of transportation of Chicago that the average speed r e on the boulevard is now less than eight miles an hour in nonrush hours and between two and four during the busy

This unique speedway plan is practical in Chicago on Michigan avenue, according to Major Kelker, because this great boulevard, which forms the principal feeder for traffic to and from the loop both from the north and the south, is a boulevard on which most of the cross streets dead end. It is sufficiently wide to enable the passage of two lines of cars in each direction on the "express" and the slow lanes of

BOULEVARD ON FILLED LAND. The increasing use of automobiles has called forth other ingenious schemes from the city officials here. There is under construction and nearly ready for use a continuation of the boulevard north over new land made by filling in Lake Michigan. Eight months ago where the foundation of the wide automobile avenue is now being laid there was several feet of water. A rickety fishing pier projected from the shore line and life guards had their station at another point along the lake.

The waters were shoved back, piles were driven and engineers are undergineers, since this new fill made on

Appearance Of Car Depends On Care Given It

Lack of Luster and Rust Spots Frequently Due to Care-

The finish and appearance of your motor car depends on the care you Lack of may result from old age or poor work-manship on the automobile. But, in peratures. In order to fulfil their share many cases, they are due to neglect on the part of the owner.

Dried mud spots, excess of water, There must be absolutely no perceptible strong soap, exposure to all sorts of weather are some of the causes. expand sufficiently to seal the piston cracks deepen into the paint and down clearance. Piston rings wear thin and to the metal or wood. That makes must be replaced when worn, while the it easier for water to seep in under the By that time the only remedy is ar

covering is put on, which entails quite an expense and a long wait while the car is laid up.

the car look like new. If cracks begin to develop in the outer coat they should be caught immediately the should be caught immediately they should be caught immediately the should be caught in the should be caught immediately the should be caught diately. If only in the varnish the cracks do little harm and a little sandpapering with a new coat of varnish

But if allowed to spread and go deeper into the paint the only remedy is entire removal of the paint and repainting. Mere filling and painting to cover the The object would be to divide the slow moving from the through traffic water to seep in and cause rust blisters. The only effective remedy for rust The only effective preventive is care on the part of the owner. Washing

should be done carefully and often. This is especially urgent during warm

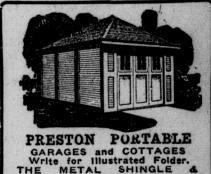
not merely by dabbing the new paint on the old, but by scraping off everything down to the body before the new nish.

"Short measure" selling of gasoline is estimated to be costing mo An easy way to obviate this is to correct the wrong at the start when the luster shows signs of dulling.

Then a new coat of finishing varnish is all that would be needed to make the car look like new.

The area look like new.

Is estimated to be costing motorists in the U. S. \$90,000,000 a year. This is based on an estimate that each of the 10,000,000 motorists of the United States buys two gallons of gasoline daily, and that the average filching from "short-measure artists" amounts to two pints



GARAGES and COTTAGES
Write for Illustrated Folder.
THE METAL SHINGLE &
SIDING COMPANY, LTD.,
60 Guelph Street - Preston, Ont.

Sondonveets
of
the Automobile
World
Market of the World

of Motor Manufacturers & Traders Ltd. 83, Pall Mall, London, S.W.1

announce the organisation of INTERNATIONAL

LONDON - ENGLAND

NOV. 3rd—11th, 1922

Comprehending the widest range of private no or cars ever staged The exhibition will also include equally representative display of carriage work, equipment, tools, tyres and



Real spring bumpers that cushion the tremendous blows of collision impacts as effectively as the springs of your car cushion the jolts and jars of rough

Manufactured by BJ COGHLINCO

GRAY-DORT It IS Approved

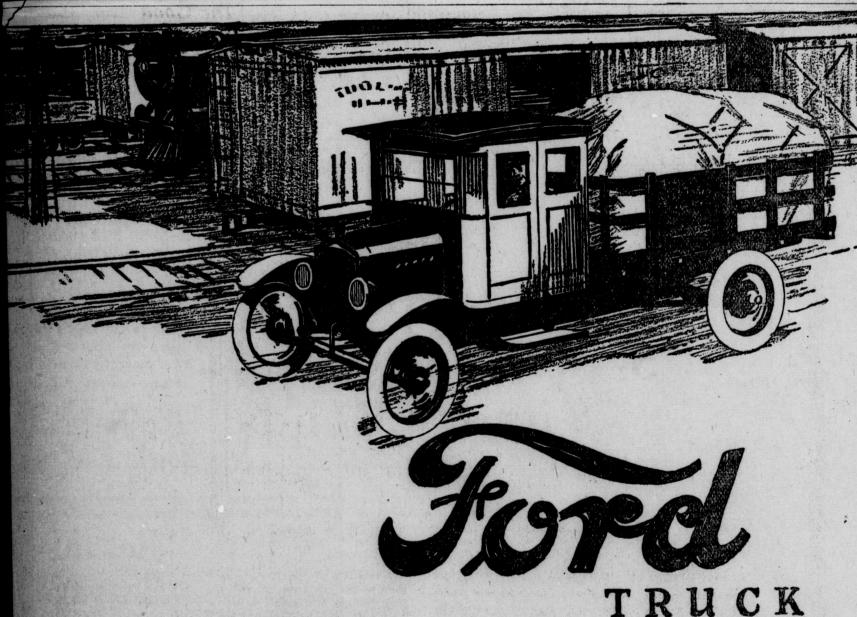
The loyalty to the Gray-Dort of Gray-Dort owners is stronger than ever before. This car has been approved because of its performance on the road.

> Chas. Clements, of Chatham, writes: "I have had three of your cars. I have never, while using these cars, been held up, and always found them easy to operate, and easy on gas and oil as well. I know nothing whatever about machinery, and to me the simplicity of the mechanism of your car has been one of the largest features for a person such as myself to operate."

You would appreciate a car like that. Come in and let us show you the complete line of Gray-Dort cars.

> Gray-Dort Motors, Limited Chatham, Ont.

The "Class" of the Light Car Field 198



Get the Business With a Ford Truck

BUSINESS is steadily improving. The depression is definitely past. To every ambitious man comes the urge

to build, to broaden out, to expand. It is no time for worn out equipment or antiquated methods. In the business growth of the next twelve months Ford

Trucks will perform an important part. See the Ford Dealer

ORD MOTOR COMPANY OF CANADA LIMITED, FORD, ONTARIO